

GORGE ET BROCHAGE

GOLE E STOZZATURA

2025/2026

EXPÉRIMENTEZ HORN
PROVA HORN

Expérimentez HORN

Des résultats remarquables sont toujours la combinaison d'un processus d'usinage optimisé et d'un outil parfaitement adapté. Pour cela, HORN allie technologie de pointe, performance et fiabilité. De la pièce unitaire à la production en série, pour des applications standard ou spéciales: Nos outils vous offrent des solutions à la fois rapides, économiques et de grande qualité. Lors du choix des paramètres de coupe spécifiques, nos tableaux dans les catalogues correspondants sont avec des valeurs de référence basées sur la pratique vous aideront dans chaque catalogue.

Profitez également du savoir-faire de nos équipes en interne et de nos ingénieurs des ventes. La durabilité est un élément central de notre philosophie d'entreprise. C'est pourquoi l'assurance qualité, la protection de l'environnement, l'efficacité énergétique et la sécurité de nos produits et de notre production sont depuis toujours au cœur de nos préoccupations. En tant que partenaire en outillage performant et à la fiabilité reconnue, nous veillons à ce que vous vous engagiez avec nous dans un avenir innovant et économique.

Visitez également notre eShop, disponible 24 heures sur 24.



Markus Horn
Directeur Général
Paul Horn GmbH



Matthias Rommel
Directeur Général
Paul Horn GmbH

Prova HORN

Per ottenere risultati eccellenti, è fondamentale combinare un processo di taglio ottimale con l'utensile giusto. HORN rende possibile tutto questo grazie a tecnologia avanzata, alte prestazioni e massima affidabilità.

Che si tratti di pezzi singoli o di produzione in serie, per applicazioni standard o speciali, i nostri utensili garantiscono soluzioni rapide, economiche e di alta qualità. Per aiutarti nella scelta dei parametri di taglio, nei nostri cataloghi troverai tabelle con valori testati e affidabili. Inoltre, il nostro team tecnico e i nostri ingegneri commerciali sono sempre a disposizione per offrirti supporto.

La sostenibilità è un valore chiave per HORN. Ci impegniamo da sempre nella qualità, nella protezione dell'ambiente, nell'efficienza energetica e nella sicurezza, sia nei prodotti che nei processi produttivi. Il nostro obiettivo è accompagnarti verso un futuro innovativo e competitivo. Metti alla prova HORN!



Markus Horn
Direttore Generale
Paul Horn GmbH



Matthias Rommel
Direttore Generale
Paul Horn GmbH

Sommaire / Indice

A **Système 100 / 101**
Sistema

B **Système 117**
Sistema

C **Système 223**
Sistema

D **Système 209**
Sistema

E **Système 216**
Sistema

F **Système 217**
Sistema

G **Système 224**
Sistema

H **Système 229 / 259**
Sistema

I **Système 231**
Sistema

J **Système 262**
Sistema

K **Système 264**
Sistema

L **Système 274**
Sistema

M **Système 32T**
Sistema

Sommaire / Indice

N **Système 34T**
Sistema

O **Système 312**
Sistema

P **Système 315**
Sistema

Q **Système 316**
Sistema

R **Système 64T**
Sistema

S **Filetage**
Filettare

T **Gorge frontale**
Gole assiali

U **Tronçonnage**
Troncatura

V **Base de support VDI**
Supporto base VDI

W **Speed-Forming**

X **Brochage**
Stozzatura

Y **Informations techniques / Accessoires**
Informazioni tecniche / Accessori

INDEX

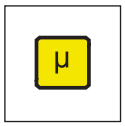
Système Sistema	100	101	117	223	209	216	217	224	229 259	231
Usinage intérieur / Lavorazioni interne										
Ø Alésage Foro Ø				⩾ 18	⩾ 16	⩾ 20	⩾ 20	⩾ 28	⩾ 38	⩾ 75
Largeur de gorge Larghezza della gola				1,2 - 3	2 - 3	2 - 6	0,5 - 5,3	2 - 6	2,5 - 10	2,5 - 10
Gorge Gole				•	•	•	•	•	•	•
Chariotage Tornitura in passata				•	•	•		•	•	
S Filetage Filettatura								•	•	•
Profil Profilatura				•	•	•		•	•	
Gorge frontale Gole assiali										
Usinage extérieur / Lavorazioni esterne										
Profon. de gorge Profon. della gola	⩽ 55	⩽ 13	⩽ 10	⩽ 11			⩽ 4,7	⩽ 32,5	⩽ 25	⩽ 11
Largeur de gorge Larghezza della gola	2 - 16	1,2-1,6	10 - 45	1,2 - 3			0,5 - 5,3	2 - 6	2,5 - 10	2,5 - 10
Gorge Gole	•	•		•			•	•	•	•
Chariotage Tornitura in passata	•			•				•	•	
Tronçonnage Troncatura	•	•		•				•	•	
Filetage Filettatura								•	•	•
Profil Profilatura			•				•	•	•	
Gorge frontale Gole assiali								•	•	•
Chapitre Capitolo	A	A	B	C	D	E	F	G	H	I

Dimensions en mm
Dimensioni in mm

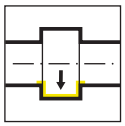
Système Sistema	262	264	274	32T	34T	312	315	316	64T	15 25A
Usinage intérieur / Lavorazioni interne										
Ø Alésage Foro Ø						⩾ 46	⩾ 43			15 - 50
Largeur de gorge Larghezza della gola						0,5 - 6,3	0,5 - 8			2 - 4
Gorge Gole						•	•			
Chariotage Tornitura in passata							•			
S Filetage Filettatura							•			
Profil Profilatura							•			
Gorge frontale Gole assiali										•
Usinage extérieur / Lavorazioni esterne										
Prof. de gorge Prof. della gola	⩽ 7,5	⩽ 16	⩽ 6	⩽ 3,5	⩽ 6,5	⩽ 8	⩽ 6	⩽ 8	⩽ 5,5	⩽ 25
Largeur de gorge Larghezza della gola	0,025 - 6	1,5 - 3	0,5 - 7	0,5 - 2,5	1,03 - 5	0,5 - 6,3	0,5 - 8	1,5 - 3	0,5 - 3,15	2 - 4
Gorge Gole	•	•	•	•	•	•	•	•	•	
Chariotage Tornitura in passata	•	•	•	•	•	•	•	•	•	
Tronçonnage Troncatura	•	•	•	•	•	•	•	•	•	
Filetage Filettatura		•	•	•			•		•	
Profil Profilatura							•			
Gorge frontale Gole assiali						•	•			•
Chapitre Capitolo	J	K	L	M	N	O	P	Q	R	T

Dimensions en mm
Dimensioni in mm

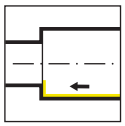
Vue d'ensemble des applications tournage
Panoramica delle applicazioni tornitura



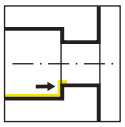
µ Finish



Gorge intérieur
Gole interne



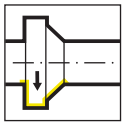
Alésage intérieur
Barenatura interna



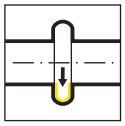
Tournage en tirant intérieur
Alesatura in tiro interna



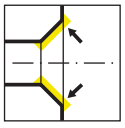
Alésage et chamfrein intérieur
Barenatura interna e smussatura



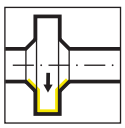
Pretronçonnage et
chanfreinage intérieur
Pregola e smussatura interna



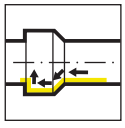
Gorge intérieure à rayon complet
Gole interne tutto raggio



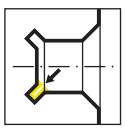
Chanfreinage intérieur
Smussatura interna



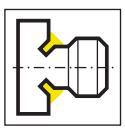
Gorge intérieure avec chanfrein
Gole con smussi



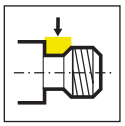
Alésage et copiage
Barenatura e profilatura



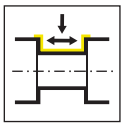
Dégagements intérieur
Scarico di rettifica interna



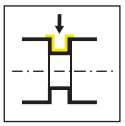
Dégagements extérieur
Scarico di rettifica esterna



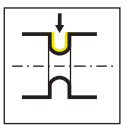
Dégagement de filetage
Gole scarico filetto



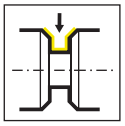
Gorge et chariotage
Gole e tornitura in passata



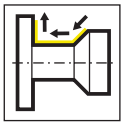
Gorge extérieur
Gole externe



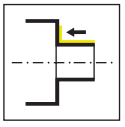
Gorge rayon complet extérieur
Gole raggio completo esterna



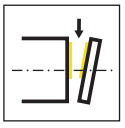
Gorge extérieure avec NAKF
Gole externe con NAKF



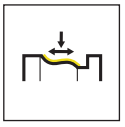
Copiage et chariotage extérieur
Tornitura in copiatura esterna



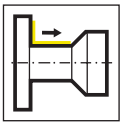
Chariotage extérieur
Tornitura in passata esterna



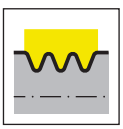
Tronçonnage
Troncatura



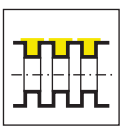
Copiage et chariotage
Tornitura in copiatura



Alesage en tirant extérieur
Alesatura in tiro esterna

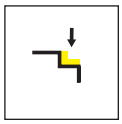


Gorges poly V
Forma gola Poly-V

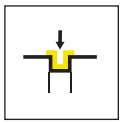


Gorges multiples
Gole multiple

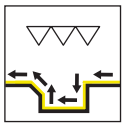
Vue d'ensemble des applications tournage
Panoramica delle applicazioni tornitura



Coupe partielle
Taglio parziale



Gorge
Gole



Tournage de précision
Tornitura fine



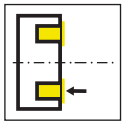
Formes géométriques
Forme di geometria



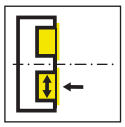
Gorges circlips
Gole Seeger



Speed Forming



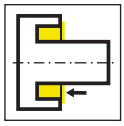
Gorge frontale
Gole assiali



Tournage de face axiale
Tornitura longitudinale assiale



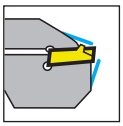
Gorge frontale dans un alésage
Gole assiali interne



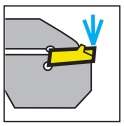
Gorge frontale le long d'un axe
Gole assiali con ingombro



Arrosage inter
Refrigerante interno



Lubrification ciblée
Lubrorefrigerazione mirata



Arrosage central sur la plaquette
Adduzione del lubrorefrigerante attraverso l'inserto

Vue d'ensemble des applications filetage

Panoramica delle applicazioni filettare



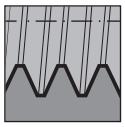
Filetage profil partiel
Filettatura profilo parzial



Filetage profil plein
Filettatura profilo completo



Filetage extérieur
Filettatura esterna



Filetage intérieur
Filettatura interna

BSW
BSF

Filetage Whitworth BSW/BSF
Filettatura Whitworth BSW/BSF

UN

Filetage UN
Filettatura UN

NPT
NPTF

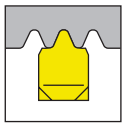
National pipe thread

PG

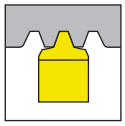
Filetage de tube acier
Filettatura di tubi d'acciaio

60°

Filetage ISO-métrique
Filetti metrici



Filetage Whitworth
Filettatura Whitworth



Filetage trapézoïdale
Filettatura Trapezoidale

Aucunes cales nécessaires. Tous les profils de HORN sont fabriqués avec une grande dépouille radiale.
Non è necessaria la sottoplacchetta.La HORN realizza tutti i profili dei filetti con angoli di spoglia idonei.

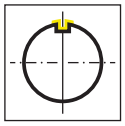
Vue d'ensemble des applications brochage

Panoramica delle applicazioni stozzatura

.A. Géométrie A
Geometria A

.B. Géométrie B
Geometria B

 Brochage intérieur
Stozzatura interna

 Brochage extérieure
Stozzatura esterna

 Brochage de carré intérieur
Stozzatura di quadri interna

 Brochage hexagone intérieur
Stozzatura sedi esagone interna

 Brochage Torx intérieur
Stozzatura Torx interna

 Brochage chanfrein
Stozzatura smusso

C11 Tolérance C11
Classe di tolleranza C11

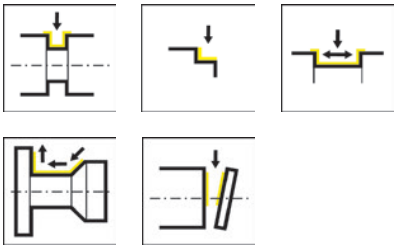
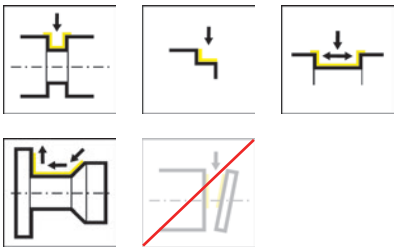
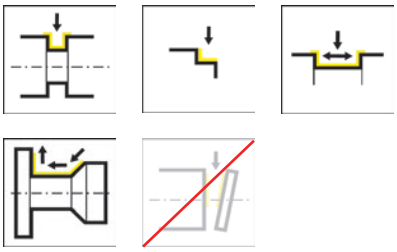
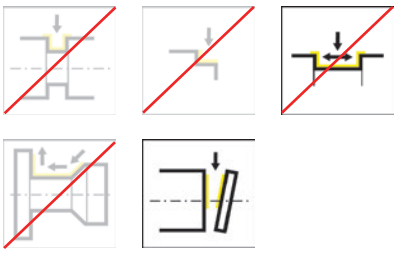
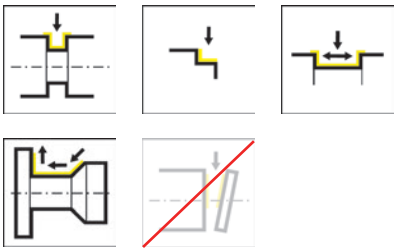
D10 Tolérance D10
Classe di tolleranza D10

H9 Tolérance H9
Classe di tolleranza H9

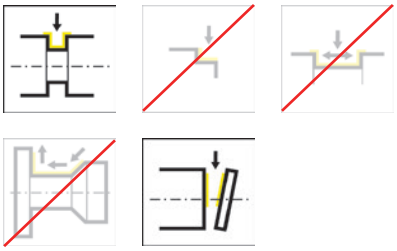
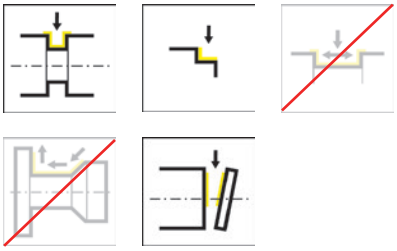
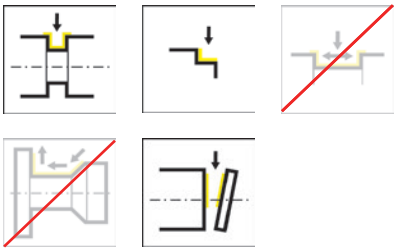
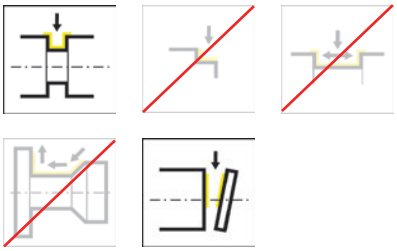
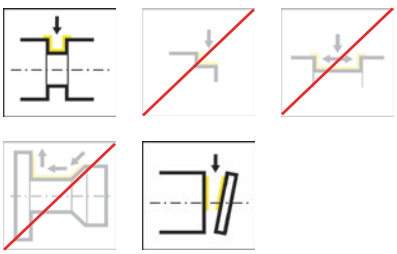
JS9 Tolérance JS9
Classe di tolleranza JS9

P9 Tolérance P9
Classe di tolleranza P9

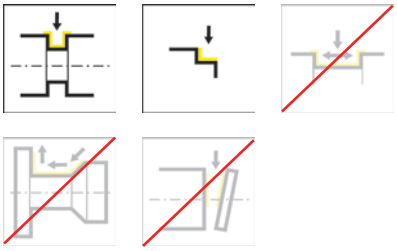
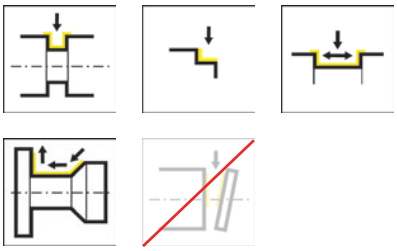
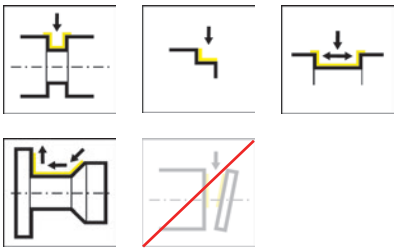
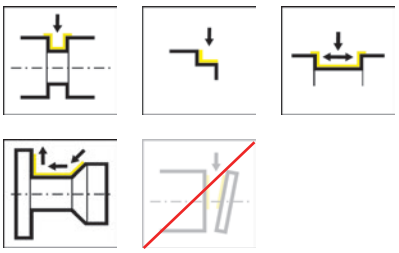
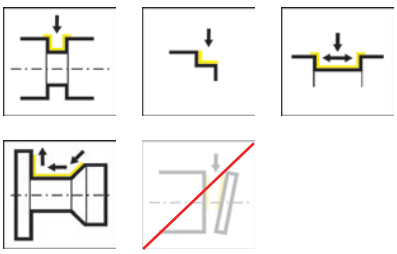
Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.3	P M K N S H	↓ 0,15-0,25 ↔ 0,15-0,40	
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
.A	P M K N S H	↓ 0,05-0,30 ↔ 0,10-0,30	
.C	P M K N S H	↓ 0,02-0,10	
.D	P M K N S H	↓ 0,03-0,15 ↔ 0,05-0,20	

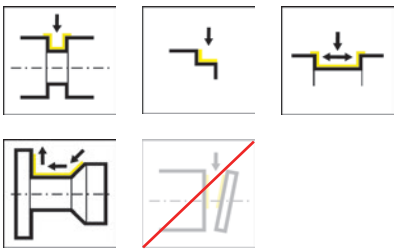
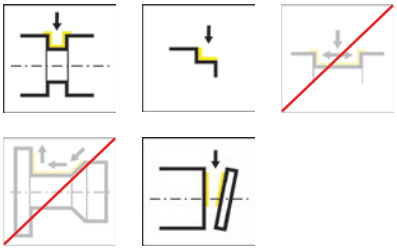
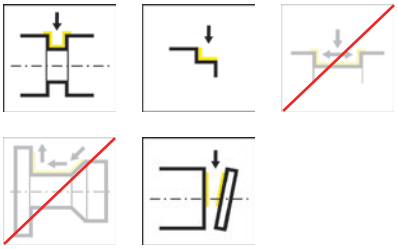
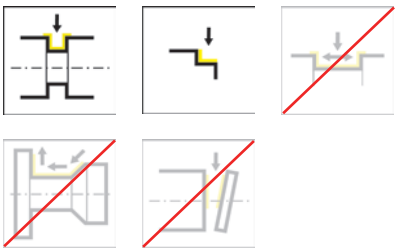
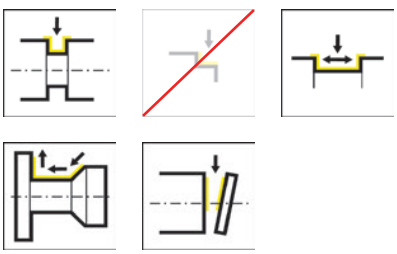
Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.E	P M K N S H	0,08-0,30	
.EN	P M K N S H	0,10-0,45	
.EH	P M K N S H	0,25-0,4	
.F	P M K N S H	0,03-0,15	
.FY	P M K N S H	0,03-0,15	

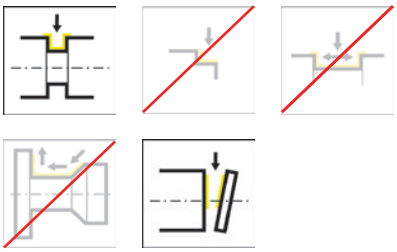
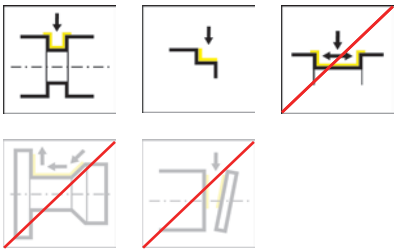
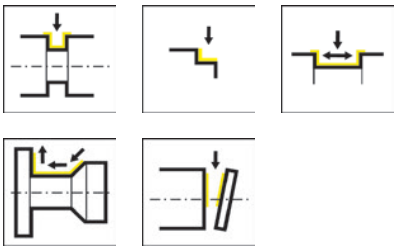
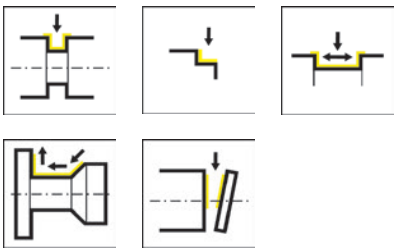
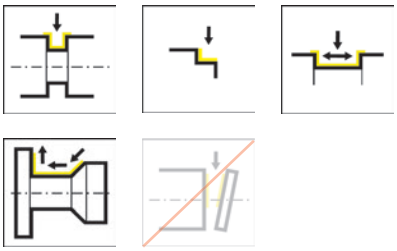
Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.H	P M K N S H	0,15-0,25 0,10-0,25	
.K	P M K N S H	0,05-0,25 0,05-0,25	
.KF	P M K N S H	0,10-0,45 0,05-0,25	
.KR	P M K N S H	0,25-0,5 0,25-0,5	
.L	P M K N S H	0,10-0,22 0,05-0,20	

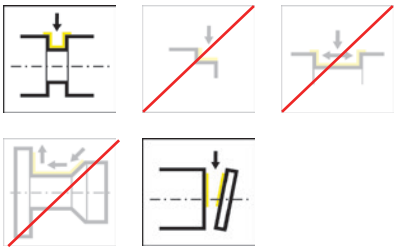
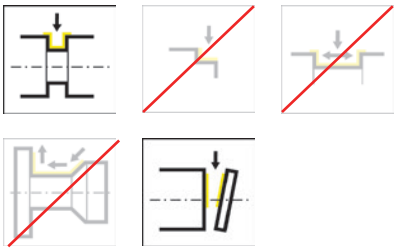
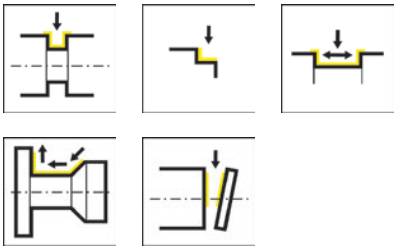
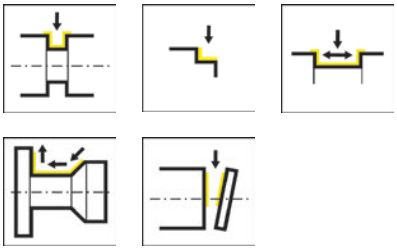
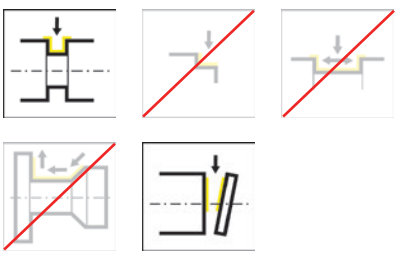
Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.ZG	P M K N S H	↓ 0,10-0,22 ↔ 0,05-0,20	
.10	P M K N S H	↓ 0,05-0,15	
.20	P M K N S H	↓ 0,07-0,25	
.HR	P M K N S H	↓ 0,20-0,30	
.N	P M K N S H	↓ 0,05-0,25 ↔ 0,05-0,25	

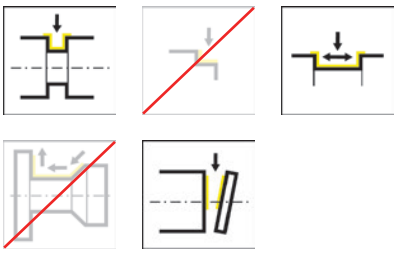
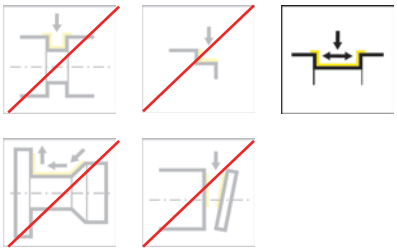
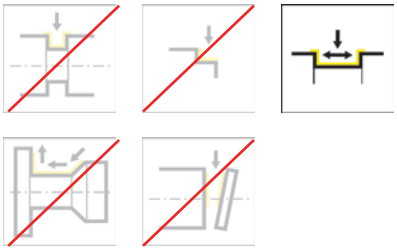
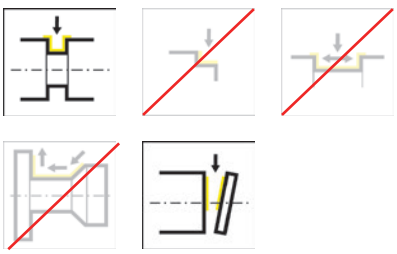
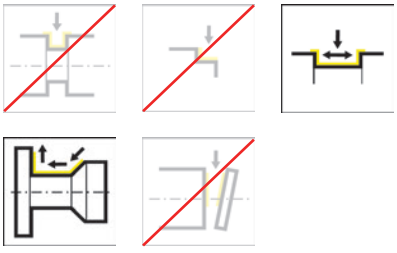
Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.00	P M K N S H	↓ 0,02-0,12	
.1A	P M K N S H	↓ 0,03-0,12	
.M0	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	
.M	P M K N S H	↓ 0,02-0,12	
.P	P M K N S H	↓ 0,02-0,08 ↔ 0,02-0,04	

Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.V	P M K N S H	0,04-0,15	
.3V	P M K N S H	0,05-0,20	
.FL	P M K N S H	0,03-0,15	
.DL	P M K N S H	0,05-0,15 0,05-0,20	
.WA	P M K N S H	0,07-0,25	

Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.WT	P M K N S H	↓ 0,06-0,08 ↔ 0,06-0,08	
.NC	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	
.FB	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	
.S	P M K N S H	↓ 0,02-0,08	
.PT	P M K N S H	↔ 0,05-0,2	

Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Usinage Lavorazione
.A	P M K N S H	Recommandé pour: Unités de brochage Raccomandato per unità a stozzare motorizzate ap = 0,02 - 0,15 mm
.B	P M K N S H	Recommandé pour: brochage conventionnel Raccomandato per stozzatura cnc convenzionale ap = 0,02 - 0,15 mm

- Toutes les dimensions sont en mm, sauf indication contraire.
  Tutte le dimensioni sono espresse in mm, salvo diversa indicazione.

- D'autres dimensions et versions sont disponibles sur demande.
  Altre dimensioni e versioni sono disponibili su richiesta..

- Vous trouverez le couple de serrage des vis dans le chapitre " Informations techniques ".
  Per le coppie di serraggio specifiche, consultare le "Istruzioni tecniche".

- Délais de livraison / Tempi di consegna
  - ▲ en stock / a stock
  - Δ 4 semaines / 4 settimane

- Utilisation pour les groupes de matériaux / Utilizzo per gruppi di materiali
  - ● Premier choix / raccomandato
  - o Choix alternatif / alternativa
  - - ne convient pas / non adatto

Le code d'interface de connexion HORN - à quoi sert-il ?

Le code de l'interface de connexion vous permet de toujours trouver les outils appropriés. Il est indiqué sur les porte-outils et les plaquettes. Si les codes correspondent, la plaquette peut être utilisée dans le porte-outil correspondant.
Cela s'applique également à notre système de porte-outils modulaire, où le code de connexion indique l'interface entre le porte-outils et la cassette.

Il nuovo codice di accoppiamento HORN: a cosa serve?

Il codice di connessione assicura di utilizzare sempre il giusto utensile per ogni portautensile ed è riportato sia sui portautensili che sugli inserti. Se i codici corrispondono, l'inserto può essere utilizzato nel portautensili corrispondente.
Questo vale anche per il nostro sistema di portautensili modulari, dove il codice di connessione indica l'interfaccia tra il portautensili e la cassetta.

Codes d'interface HORN et combinaisons possibles:
Codice di connessione HORN e possibili combinazioni:

HIS = Taille de logement de la plaquette / sede dell'inserto
HWS = Interface côté pièce / interfaccia dal lato del pezzo da lavorare
HMS = Interface côté machine / interfaccia dal lato della macchina

HIS	⟷	**HWS**
HMS	⟷	**HWS**

Exemple de plaquette
Esempio di inserto

N° de commande Codice prodotto	w	r	h_1	HIS		MG12	H54	TI25	TN35
S223.0200.32	2	0,2	3,65	22301		▲	▲	▲	▲

Exemple de porte outils
Esempio di portainserto

N° de commande Codice prodotto	h	b	l_1	l_2	h_1	b_1	f_1	f	t_{max}	D_{max}	HWS
RH223.1010.01	10	10	80	20	12	12	9,2	f_1+w/2	8	25	12301 • 22301

100/101



Porte outils et plaquettes

Profondeur de gorge 1,2 - 16 mm
Profondeur de gorge jusqu'à 60 mm

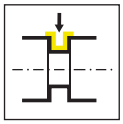
Portainserto e inserti

Profondità della gola 1,2 - 16 mm
Profondità della gola fino a 60 mm

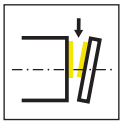
Gorge et Tronçonnage
Gole e Troncatura

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 25-26

Porte outils
Portainserto
H100/H101



Page/Pag. 27-48, 75



Page/Pag. 49-64

Plaquette de coupe
Inserto
S100/S101

.EN
Page/Pag. 65, 68

.3V
Page/Pag. 66, 72

.E
Page/Pag. 67

.EH
Page/Pag. 69

.F
Page/Pag. 70

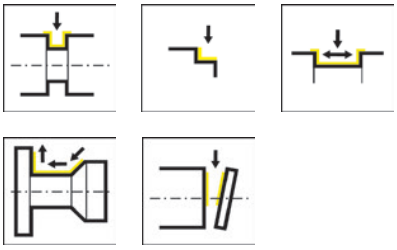
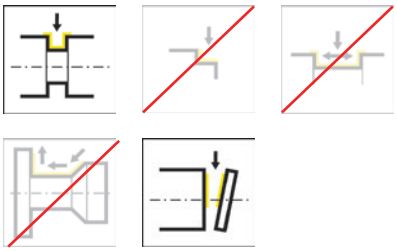
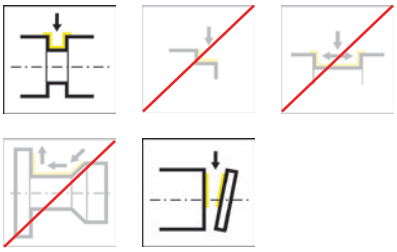
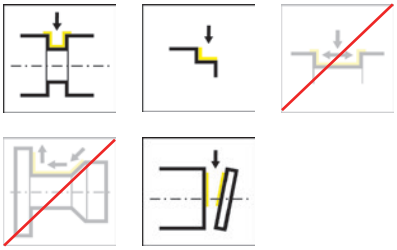
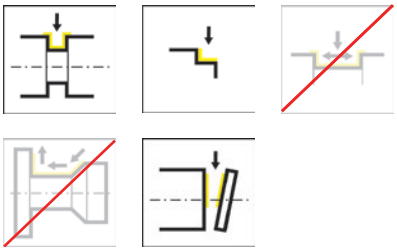
.FY
Page/Pag. 71

.WA
Page/Pag. 73

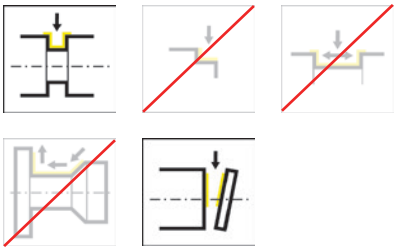
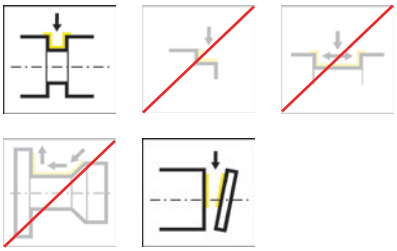
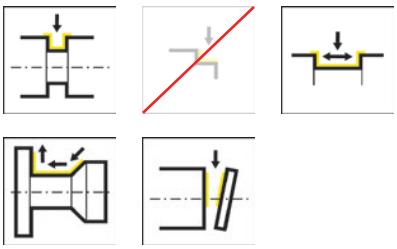
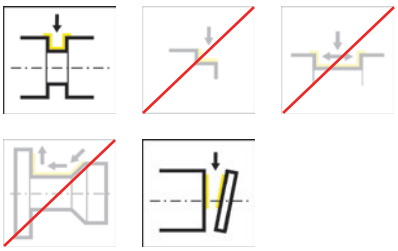
.N
Page/Pag. 74

.3
Page/Pag. 76

Géométries et avances
Geometrie e avanzamenti

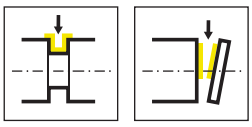
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.3	P M K N S H	0,15-0,25 0,15-0,40	
.3V	P M K N S H	0,05-0,20	
.E	P M K N S H	0,08-0,30	
.EN	P M K N S H	0,10-0,45	
.EH	P M K N S H	0,25-0,4	

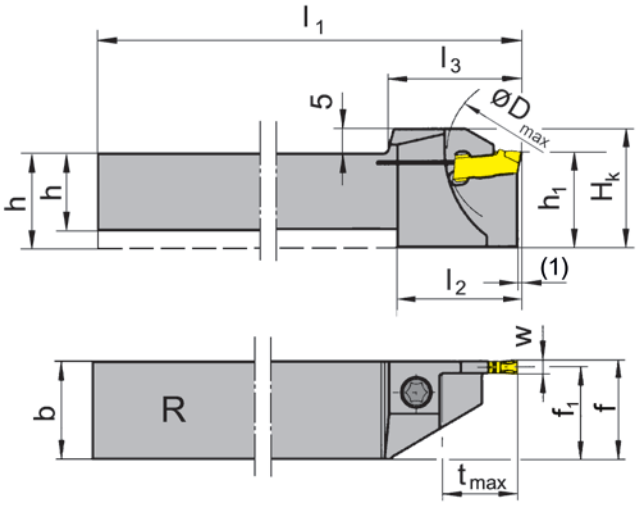
Géométries et avances
Geometrie e avanzamenti

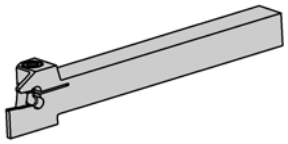
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.F	P M K N S H	0,03-0,15	
.FY	P M K N S H	0,03-0,15	
.N	P M K N S H	0,05-0,25 0,05-0,25	
.WA	P M K N S H	0,07-0,25	

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH100.1010.01	10	10	125	19	21	13	9,25	f_1+w/2	10,5	21	18	100018
RH100.1010.11	10	10	125	21	23	16	9,25	f_1+w/2	13	42	21	100018
RH100.1212.01	12	12	125	21	23	16	11,25	f_1+w/2	13	26	21	100018
RH100.1212.11	12	12	125	21	26	16	11,25	f_1+w/2	16	42	21	100018
RH100.1616.11	16	16	125	24	26	20	15,25	f_1+w/2	16	42	25	100018
RH100.1616.21	16	16	125	30	33,5	20	15,25	f_1+w/2	21	42	25	100018
RH100.2020.11	20	20	125	-	26	20	19,25	f_1+w/2	16	42	25	100018
RH100.2020.21	20	20	125	-	33,5	20	19,25	f_1+w/2	21	42	25	100018
RH100.2525.21	25	25	150	-	33,5	25	24,3	f_1+w/2	21	42	30	100018
LH100.1010.01	10	10	125	19	21	13	9,25	f_1+w/2	10,5	21	18	100018
LH100.1010.11	10	10	125	21	23	16	9,25	f_1+w/2	13	42	21	100018
LH100.1212.01	12	12	125	21	23	16	11,25	f_1+w/2	13	26	21	100018
LH100.1212.11	12	12	125	21	26	16	11,25	f_1+w/2	16	42	21	100018
LH100.1616.11	16	16	125	24	26	20	15,25	f_1+w/2	16	42	25	100018
LH100.1616.21	16	16	125	30	33,5	20	15,25	f_1+w/2	21	42	25	100018
LH100.2020.11	20	20	125	-	33,5	20	19,25	f_1+w/2	16	42	25	100018
LH100.2020.21	20	20	125	-	33,5	20	19,25	f_1+w/2	21	42	25	100018
LH100.2525.21	25	25	150	-	33,5	25	24,3	f_1+w/2	21	42	30	100018

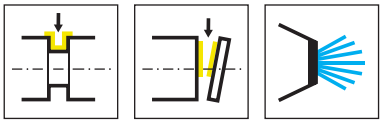
w voir plaquettes
w vd. inserti

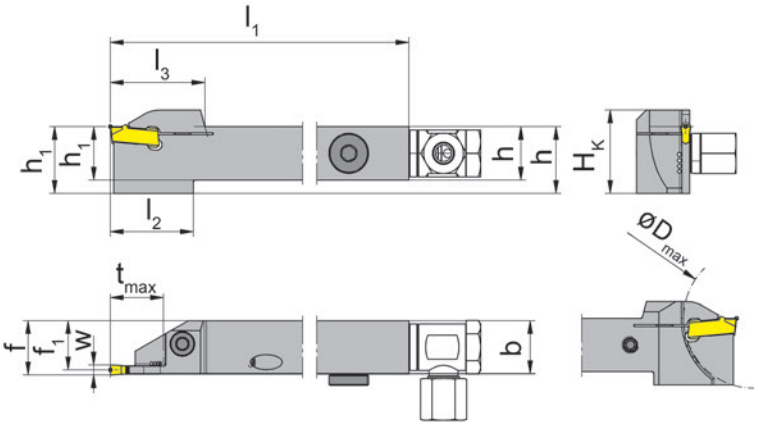
Pièces Détachées
Ricambi

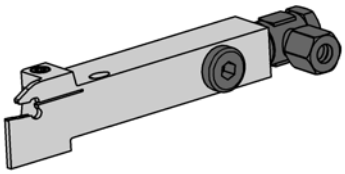
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**4.15T15P**	**T15PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH100.1212.01.IK	12	12	125	21	23	12	11,25	f_1+w/2	13	26	21	100018
RH100.1212.11.IK	12	12	125	21	26	12	11,25	f_1+w/2	16	42	21	100018
RH100.1616.11.IK	16	16	125	24	26	16	15,25	f_1+w/2	16	42	25	100018
RH100.1616.21.IK	16	16	125	30	33,5	16	15,25	f_1+w/2	21	42	25	100018
RH100.2020.11.IK	20	20	125	-	33,5	20	19,25	f_1+w/2	16	42	25	100018
RH100.2020.21.IK	20	20	125	-	33,5	20	19,25	f_1+w/2	21	42	25	100018
RH100.2525.21.IK	25	25	150	-	33,5	25	24,3	f_1+w/2	21	42	30	100018
LH100.1212.01.IK	12	12	125	21	23	12	11,25	f_1+w/2	13	26	21	100018
LH100.1212.11.IK	12	12	125	21	26	12	11,25	f_1+w/2	16	42	21	100018
LH100.1616.11.IK	16	16	125	24	26	16	15,25	f_1+w/2	16	42	25	100018
LH100.1616.21.IK	16	16	125	30	33,5	16	15,25	f_1+w/2	21	42	25	100018
LH100.2020.11.IK	20	20	125	-	33,5	20	19,25	f_1+w/2	16	42	25	100018
LH100.2525.21.IK	25	25	150	-	33,5	25	24,3	f_1+w/2	21	42	30	100018

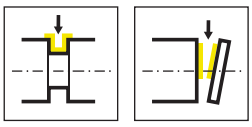
w voir plaquettes
w vd. inserti

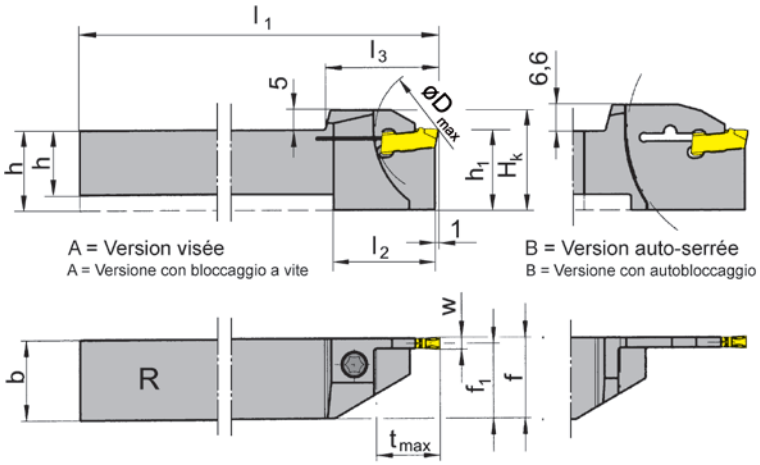
Pièces Détachées
Ricambi

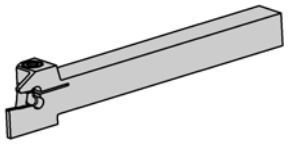
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Arrosage** Lubrificazione	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH100.1212...	**4.15T15P**	**004.00.22**	**T15PQ**	
R/LH100...	**4.15T15P**	**004.00.16**	**T15PQ**	**004.00.26**
RH100.2020.21.IK	**4.15T15P**	**004.00.16**	**T20PQ**	**004.00.26**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	Forme Forma	HWS
RH100.1212.02	12	12	125	21	23	16	11,05	f_1+w/2	13	25	21	A	100028
RH100.1616.02	16	16	125	19	21	20	15,05	f_1+w/2	10,5	42	25	A	100028
RH100.1212.12	12	12	125	24	26	16	11,05	f_1+w/2	16	42	25	A	100028
RH100.1616.12	16	16	125	24	26	20	15,05	f_1+w/2	16	42	25	A	100028
RH100.2020.12	20	20	125	-	26	20	19,05	f_1+w/2	16	42	25	A	100028
RH100.1616.22	16	16	125	30	33,5	20	15,05	f_1+w/2	21	42	25	A	100028
RH100.2020.22	20	20	125	-	33,5	20	19,05	f_1+w/2	21	42	25	A	100028
RH100.2525.22	25	25	150	-	33,5	25	24,05	f_1+w/2	21	42	30	A	100028
RH100.2020.32	20	20	125	35	38,5	25	19,05	f_1+w/2	32,5	65	31,6	B	100028
LH100.1212.02	12	12	125	21	23	16	11,05	f_1+w/2	13	25	21	A	100028
LH100.1616.02	16	16	125	19	21	20	15,05	f_1+w/2	10,5	42	25	A	100028
LH100.1212.12	12	12	125	24	26	16	11,05	f_1+w/2	16	42	25	A	100028
LH100.1616.12	16	16	125	24	26	20	15,05	f_1+w/2	16	42	25	A	100028
LH100.2020.12	20	20	125	-	26	20	19,05	f_1+w/2	16	42	25	A	100028
LH100.1616.22	16	16	125	30	33,5	20	15,05	f_1+w/2	21	42	25	A	100028
LH100.2020.22	20	20	125	-	33,5	20	19,05	f_1+w/2	21	42	25	A	100028
LH100.2525.22	25	25	150	-	33,5	25	24,05	f_1+w/2	21	42	30	A	100028
LH100.2020.32	20	20	125	35	38,5	25	19,05	f_1+w/2	32,5	65	31,6	B	100028

w voir plaquettes
w vd. inserti

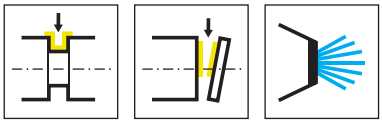
La clé **P39L** n'est pas fournie avec la lame R/LH100.2020.32 - à cder séparément!
La chiave P39L non viene fornita con la lama R/LH100.2020.32 - bisogna ordinarla separatamente!

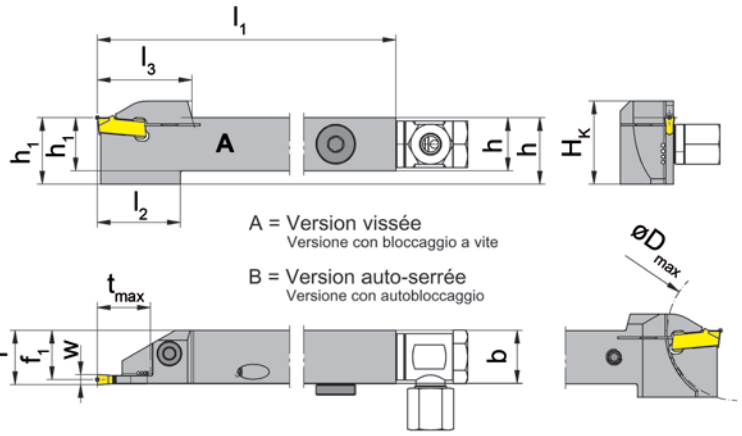
Pièces Détachées
Ricambi

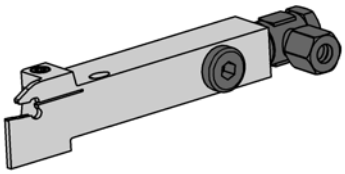
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**4.15T15P**	**T15PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	Forme Forma	HWS
RH100.1212.02.IK	12	12	125	21	23	16	11,05	f_1+w/2	13	25	21	A	100028
RH100.1616.02.IK	16	16	125	19	21	20	15,05	f_1+w/2	10,5	42	25	A	100028
RH100.1212.12.IK	12	12	125	24	26	16	11,05	f_1+w/2	16	42	25	A	100028
RH100.1616.12.IK	16	16	125	24	28,5	20	15,05	f_1+w/2	16	42	25	A	100028
RH100.2020.12.IK	20	20	125	-	26	20	19,05	f_1+w/2	16	42	25	A	100028
RH100.1616.22.IK	16	16	125	30	33,5	20	15,05	f_1+w/2	21	42	25	A	100028
RH100.2020.22.IK	20	20	125	-	33,5	20	19,05	f_1+w/2	21	42	25	A	100028
RH100.2525.22.IK	25	25	150	-	33,5	25	24,05	f_1+w/2	21	42	30	A	100028
LH100.1212.02.IK	12	12	125	21	23	16	11,05	f_1+w/2	13	25	21	A	100028
LH100.1616.02.IK	16	16	125	19	21	20	15,05	f_1+w/2	10,5	42	25	A	100028
LH100.1616.12.IK	16	16	125	24	28,5	20	15,05	f_1+w/2	16	42	25	A	100028
LH100.2020.12.IK	20	20	125	-	26	20	19,05	f_1+w/2	16	42	25	A	100028
LH100.1616.22.IK	16	16	125	30	33,5	20	15,05	f_1+w/2	21	42	25	A	100028
LH100.2020.22.IK	20	20	125	-	33,5	20	19,05	f_1+w/2	21	42	25	A	100028
LH100.2525.22.IK	25	25	150	-	33,5	25	24,05	f_1+w/2	21	42	30	A	100028

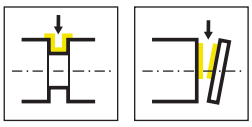
w voir plaquettes
w vd. inserti

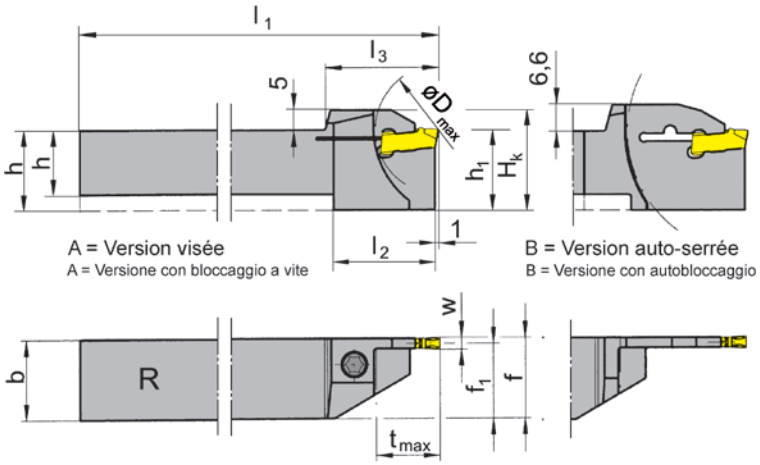
Pièces Détachées
Ricambi

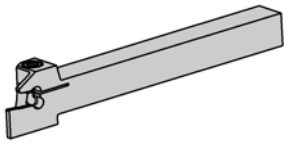
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Arrosage** Lubrificazione	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
RH100.1212.12.IK	**4.15T15P**	**004.00.22**	**T15PQ**	
R/LH100...	**4.15T15P**	**004.00.16**	**T15PQ**	**004.00.26**
R/LH100.2020.22.IK	**5.17T20P**		**T20PQ**	

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	Forme Forma	HWS
RH100.1212.03	12	12	125	21	23	16	10,85	f_1+w/2	13	26	25	A	100028
RH100.1616.03	16	16	125	19,5	23	20	14,85	f_1+w/2	10,5	42	25	A	100038
RH100.1616.13	16	16	125	25	28,5	20	14,85	f_1+w/2	16	42	25	A	100038
RH100.1616.23	16	16	125	30	33,5	20	14,85	f_1+w/2	21	42	25	A	100038
RH100.2020.13	20	20	125	-	28,5	20	18,85	f_1+w/2	16	42	25	A	100038
RH100.2020.23	20	20	125	-	33,5	20	18,85	f_1+w/2	21	42	25	A	100038
RH100.2020.33	20	20	125	35	38,5	25	18,85	f_1+w/2	32,5	65	31,6	B	100038
RH100.2525.13	25	25	150	-	28,5	25	23,85	f_1+w/2	16	42	30	A	100038
RH100.2525.23	25	25	150	-	33,5	25	23,85	f_1+w/2	21	42	30	A	100038
RH100.2525.33	25	25	150	-	38,5	25	23,85	f_1+w/2	32,5	65	31,6	B	100038
LH100.1212.03	12	12	125	21	23	16	10,85	f_1+w/2	13	26	25	A	100028
LH100.1616.03	16	16	125	19,5	23	20	14,85	f_1+w/2	10,5	42	25	A	100038
LH100.1616.13	16	16	125	25	28,5	20	14,85	f_1+w/2	16	42	25	A	100038
LH100.1616.23	16	16	125	30	33,5	20	14,85	f_1+w/2	21	42	25	A	100038
LH100.2020.13	20	20	125	-	28,5	20	18,85	f_1+w/2	16	42	25	A	100038
LH100.2020.23	20	20	125	-	33,5	20	18,85	f_1+w/2	21	42	25	A	100038
LH100.2020.33	20	20	125	35	38,5	25	18,85	f_1+w/2	32,5	65	31,6	B	100038
LH100.2525.13	25	25	150	-	28,5	25	23,85	f_1+w/2	16	42	30	A	100038
LH100.2525.23	25	25	150	-	33,5	25	23,85	f_1+w/2	21	42	30	A	100038
LH100.2525.33	25	25	150	-	38,5	25	23,85	f_1+w/2	32,5	65	31,6	B	100038

w voir plaquettes
w vd. inserti

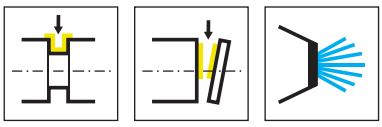
La clé **P39L** n'est pas fournie avec la lame R/LH100...33 - à cder séparément!
La chiave P39L non viene fornita con la lama R/LH100...33 - bisogna ordinarla separatamente!

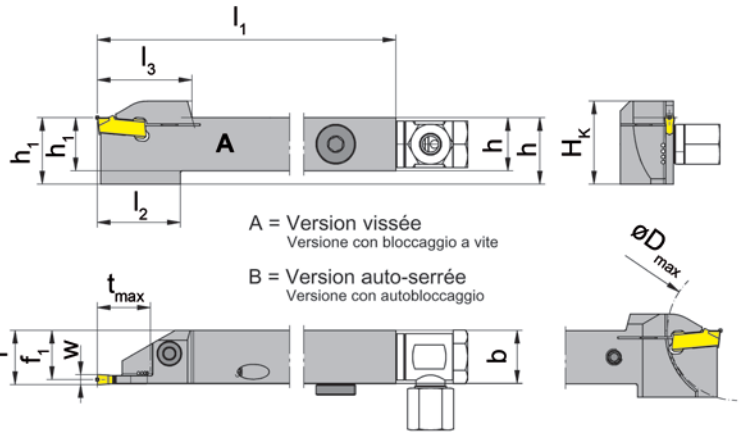
Pièces Détachées
Ricambi

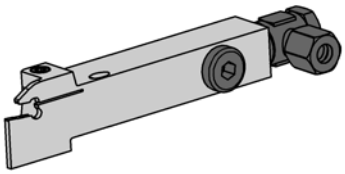
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**5.17T20P**	**T20PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	Forme Forma	HWS
RH100.1212.03.IK	12	12	125	21	23	16	10,85	f_1+w/2	13	26	25	A	100038
RH100.1616.03.IK	16	16	125	19,5	23	20	14,85	f_1+w/2	10,5	42	25	A	100038
RH100.1616.13.IK	16	16	125	25	28,5	20	14,85	f_1+w/2	16	42	25	A	100038
RH100.2020.13.IK	20	20	125	-	28,5	20	18,85	f_1+w/2	16	42	25	A	100038
RH100.1616.23.IK	16	16	125	30	33,5	20	14,85	f_1+w/2	21	42	25	A	100038
RH100.2020.23.IK	20	20	125	-	33,5	20	18,85	f_1+w/2	21	42	25	A	100038
RH100.2525.23.IK	25	25	150	-	33,5	25	23,85	f_1+w/2	21	42	30	A	100038
RH100.2020.33.IK	20	20	125	35	38,5	25	18,85	f_1+w/2	32,5	65	31,6	B	100038
RH100.2525.33.IK	25	25	150	-	38,5	25	23,85	f_1+w/2	32,5	65	31,6	B	100038
LH100.1212.03.IK	12	12	125	21	23	16	10,85	f_1+w/2	13	26	25	A	100038
LH100.1616.03.IK	16	16	125	19,5	23	20	14,85	f_1+w/2	10,5	42	25	A	100038
LH100.1616.13.IK	16	16	125	25	28,5	20	14,85	f_1+w/2	16	42	25	A	100038
LH100.2020.13.IK	20	20	125	-	28,5	20	18,85	f_1+w/2	16	42	25	A	100038
LH100.1616.23.IK	16	16	125	30	33,5	20	14,85	f_1+w/2	21	42	25	A	100038
LH100.2020.23.IK	20	20	125	-	33,5	20	18,85	f_1+w/2	21	42	25	A	100038
LH100.2525.23.IK	25	25	150	-	33,5	25	23,85	f_1+w/2	21	42	30	A	100038
LH100.2020.33.IK	20	20	125	35	38,5	25	18,85	f_1+w/2	32,5	65	31,6	B	100038
LH100.2525.33.IK	25	25	150	-	38,5	25	23,85	f_1+w/2	32,5	65	31,6	B	100038

w voir plaquettes
w vd. inserti

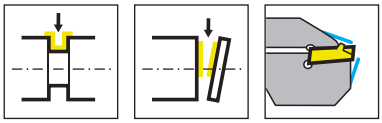
La clé **P39L** n'est pas fournie avec la lame R/LH100...33 - à cder séparément!
La chiave P39L non viene fornita con la lama R/LH100...33 - bisogna ordinarla separatamente!

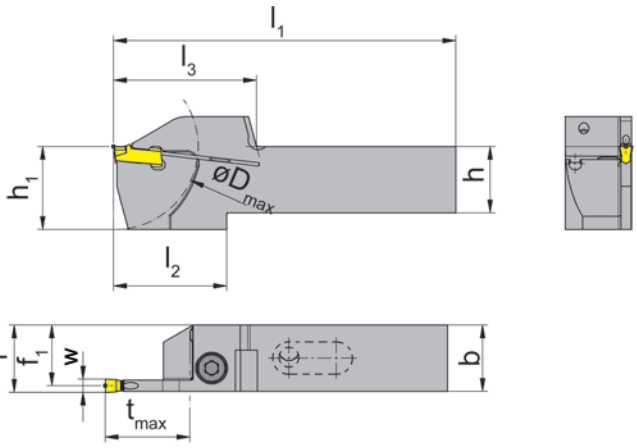
Pièces Détachées
Ricambi

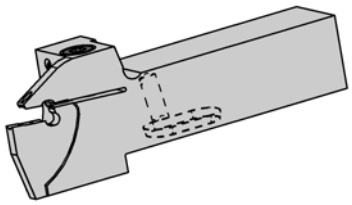
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Arrosage** Lubrificazione	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH100.1212.03.IK	**5.17T20P**	**004.00.22**	**T20PQ**	
R/LH100...	**5.17T20P**	**004.00.16**	**T20PQ**	**004.00.26**
R/LH100.2525.23.IK	**5.17T20P**	**004.00.61**	**T20PQ**	

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.1616.2.23.IK	16	16	89	35	39	25	14,65	f_1+w/2	21,5	42	100038
RH100.2020.2.23.IK	20	20	102	33	39	25	18,65	f_1+w/2	21,5	42	100038
RH100.2020.2.73.IK	20	20	106	37	43	25	18,65	f_1+w/2	25,5	50	100038
RH100.2525.2.73.IK	25	25	121	37	43	30	23,65	f_1+w/2	25,5	50	100038
RH100.2020.34.4.73.IK	20	20	115	48	53	30	18,65	f_1+w/2	34	68	100038
RH100.2525.34.4.73.IK	25	25	132	48	53	35	23,65	f_1+w/2	34	68	100038
LH100.1616.2.23.IK	16	16	89	35	39	25	14,65	f_1+w/2	21,5	42	100038
LH100.2020.2.23.IK	20	20	102	33	39	25	18,65	f_1+w/2	21,5	42	100038
LH100.2020.2.73.IK	20	20	106	37	43	25	18,65	f_1+w/2	25,5	50	100038
LH100.2525.2.73.IK	25	25	121	37	43	30	23,65	f_1+w/2	25,5	50	100038
LH100.2020.34.4.73.IK	20	20	115	48	53	30	18,65	f_1+w/2	34	68	100038
LH100.2525.34.4.73.IK	25	25	132	48	53	35	23,65	f_1+w/2	34	68	100038

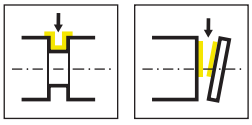
w voir plaquettes
w vd. inserti

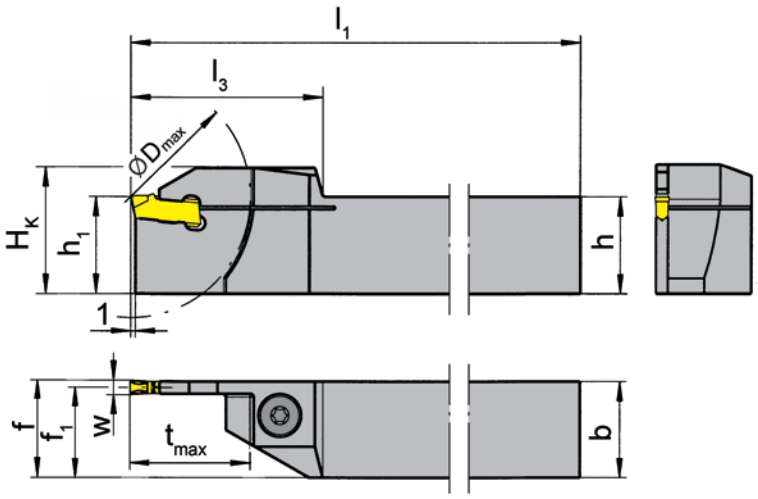
Pièces Détachées
Ricambi

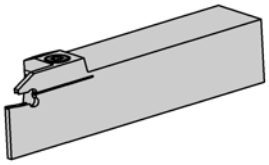
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**6.23T25P**	**T25PQ**

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH100.2020.73	20	20	125	40	20	18,85	f_1+w/2	25	50	26	100038
RH100.2525.73	25	25	150	40	25	23,85	f_1+w/2	25	50	31	100038
RH100.2020.74	20	20	125	40	20	18,85	f_1+w/2	25	50	26	100048
LH100.2020.73	20	20	125	40	20	18,85	f_1+w/2	25	50	26	100038
LH100.2525.73	25	25	150	40	25	23,85	f_1+w/2	25	50	31	100038
LH100.2020.74	20	20	125	40	20	18,85	f_1+w/2	25	50	26	100048

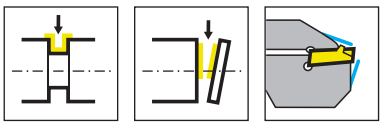
w voir plaquettes
w vd. inserti

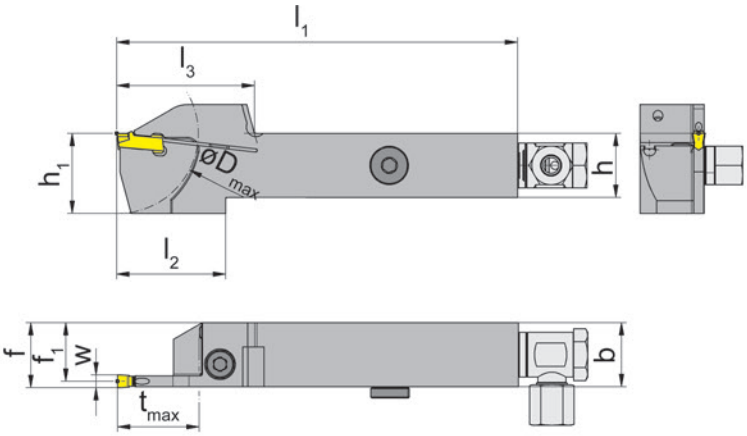
Pièces Détachées
Ricambi

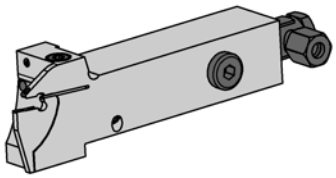
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**6.23T25P**	**T25PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.1616.0.23.IK	16	20	125	35	39	25	14,65	f_1+w/2	21,5	42	100038
RH100.1616.0.24.IK	16	20	125	35	39	25	14,3	f_1+w/2	21,5	42	100048
RH100.2020.0.23.IK	20	20	125	33	39	25	18,65	f_1+w/2	21,5	42	100038
RH100.2020.0.24.IK	20	20	125	33	39	25	18,3	f_1+w/2	21,5	42	100048
RH100.2525.0.23.IK	25	25	150	33	39	30	23,65	f_1+w/2	21,5	42	100038
RH100.2525.0.24.IK	25	25	150	33	39	30	23,3	f_1+w/2	21,5	42	100048
LH100.1616.0.23.IK	16	16	125	35	39	25	14,65	f_1+w/2	21,5	42	100038
LH100.1616.0.24.IK	16	16	125	35	39	25	14,3	f_1+w/2	21,5	42	100048
LH100.2020.0.23.IK	20	20	125	33	39	25	18,65	f_1+w/2	21,5	42	100038
LH100.2020.0.24.IK	20	20	125	33	39	25	18,3	f_1+w/2	21,5	42	100048
LH100.2525.0.23.IK	25	25	150	33	39	30	23,65	f_1+w/2	21,5	42	100038
LH100.2525.0.24.IK	25	25	150	33	39	30	23,3	f_1+w/2	21,5	42	100048

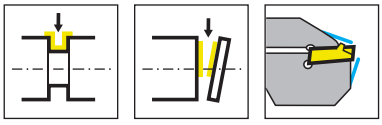
w voir plaquettes
w vd. inserti

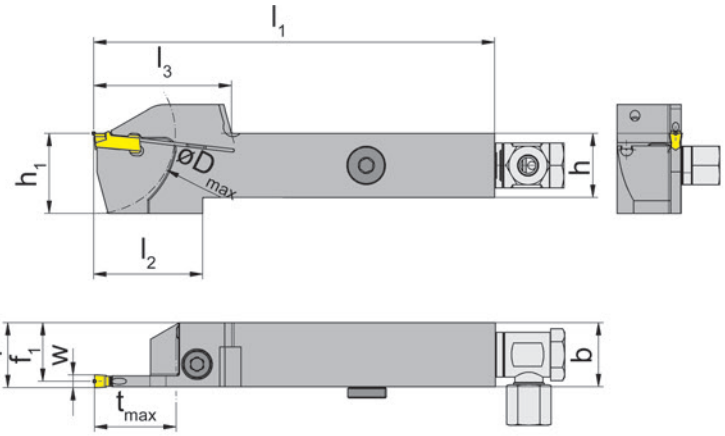
Pièces Détachées
Ricambi

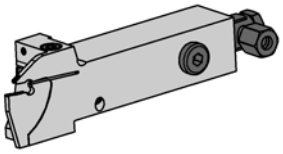
Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH100...	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.2020.0.73.IK	20	20	125	37	43	25	18,65	f_1+w/2	25,5	50	100038
RH100.2525.0.73.IK	25	25	150	37	43	30	23,65	f_1+w/2	25,5	50	100038
RH100.2525.0.74.IK	25	25	150	37	43	30	23,3	f_1+w/2	25,5	50	100048
LH100.2020.0.73.IK	20	20	125	37	43	25	18,65	f_1+w/2	25,5	50	100038
LH100.2525.0.73.IK	25	25	150	37	43	30	23,65	f_1+w/2	25,5	50	100038
LH100.2525.0.74.IK	25	25	150	37	43	30	23,3	f_1+w/2	25,5	50	100048
LH100.2020.0.74.IK	20	20	125	37	43	25	18,3	f_1+w/2	25,5	50	100048

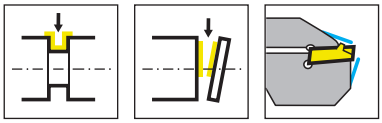
w voir plaquettes
w vd. inserti

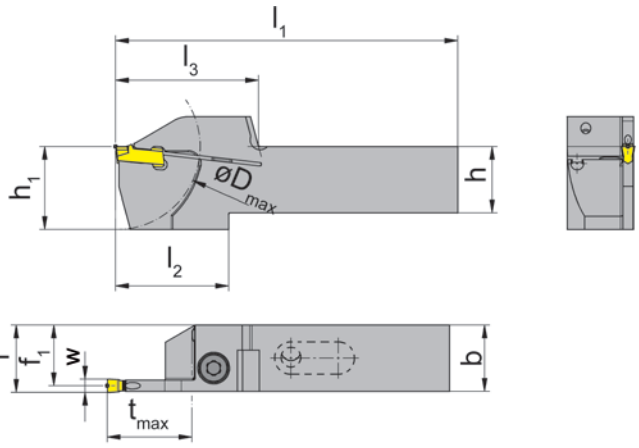
Pièces Détachées
Ricambi

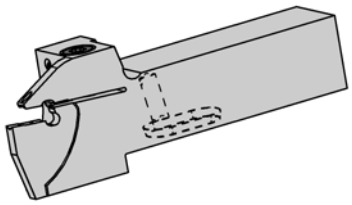
Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH100....	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**
R/LH100.2525.0.74.IK	**004.00.16**	**6.23T25P**	**T20PQ**	**004.00.26**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.1616.2.24.IK	16	16	89	35	39	25	14,3	f_1+w/2	21,5	42	100048
RH100.2020.2.24.IK	20	20	102	33	39	25	18,3	f_1+w/2	21,5	42	100048
RH100.2020.2.74.IK	20	20	106	37	43	25	18,3	f_1+w/2	25,5	50	100048
LH100.1616.2.24.IK	16	16	89	35	39	25	14,3	f_1+w/2	21,5	42	100048
LH100.2020.2.24.IK	20	20	102	33	39	25	18,3	f_1+w/2	21,5	42	100048
LH100.2020.2.74.IK	20	20	106	37	43	25	18,3	f_1+w/2	25,5	50	100048

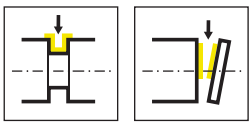
w voir plaquettes
w vd. inserti

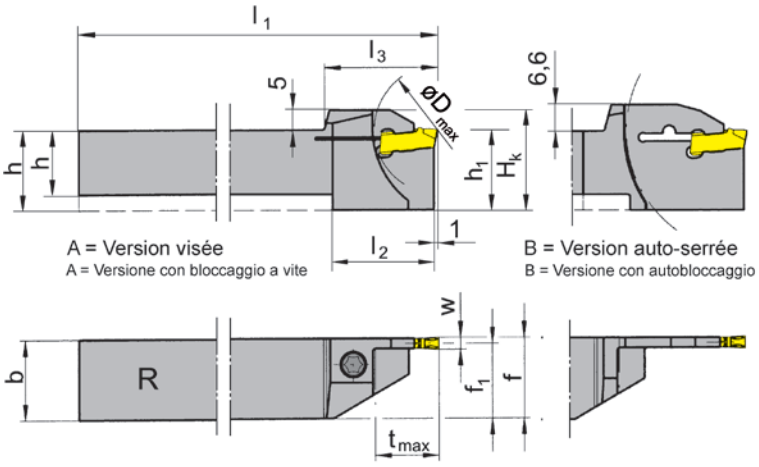
Pièces Détachées
Ricambi

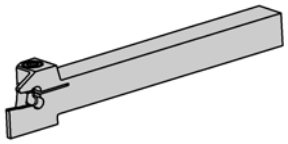
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**6.23T25P**	**T25PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	Forme Forma	HWS
RH100.1616.04	16	16	125	19,5	23	20	14,45	f_1+w/2	10,5	42	25	A	100048
RH100.1616.14	16	16	125	25	28,5	20	14,45	f_1+w/2	16	42	25	A	100048
RH100.2020.14	20	20	125	-	28,5	20	18,45	f_1+w/2	16	42	25	A	100048
RH100.2525.14	25	25	150	-	28,5	25	23,45	f_1+w/2	16	42	30	A	100048
RH100.2020.34	20	20	125	35	38,5	25	18,45	f_1+w/2	32,5	65	31,6	B	100048
RH100.2525.34	25	25	150	40	46,5	32	23,45	f_1+w/2	40,5	81	38,6	B	100048
LH100.1616.04	16	16	125	19,5	23	20	14,45	f_1+w/2	10,5	42	25	A	100048
LH100.1616.14	16	16	125	25	28,5	20	14,45	f_1+w/2	16	42	25	A	100048
LH100.2020.14	20	20	125	-	28,5	20	18,45	f_1+w/2	16	42	25	A	100048
LH100.2525.14	25	25	150	-	28,5	25	23,45	f_1+w/2	16	42	30	A	100048
LH100.1616.24	16	16	125	30	33,5	20	14,45	f_1+w/2	21	42	25	A	100048
LH100.2020.34	20	20	125	35	38,5	25	18,45	f_1+w/2	32,5	65	31,6	B	100048
LH100.2525.34	25	25	150	40	46,5	32	23,45	f_1+w/2	40,5	81	31,6	B	100048

w voir plaquettes
w vd. inserti

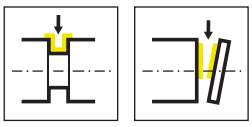
La clé **P39L** n'est pas fournie avec la lame R/LH100...34 - à cder séparément!
La chiave P39L non viene fornita con la lama R/LH100...34 - bisogna ordinarla separatamente!

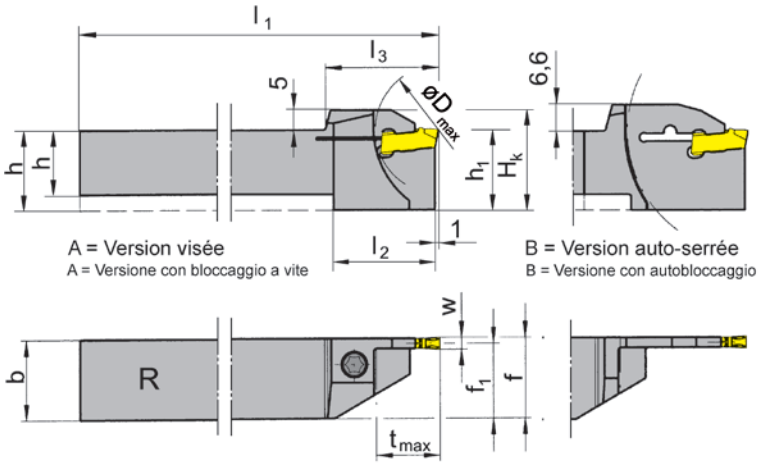
Pièces Détachées
Ricambi

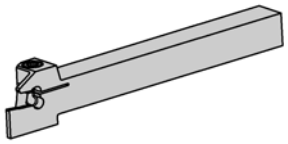
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**5.17T20P**	**T20PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	Forme Forma	HWS
RH100.2020.15	20	20	125	-	28,5	20	18,05	f_1+w/2	16	42	25	A	100058
RH100.2525.15	25	25	150	-	28,5	25	23,05	f_1+w/2	16	42	30	A	100058
RH100.2020.35	20	20	125	35	38,5	20	18,05	f_1+w/2	32,5	65	31,6	B	100058
RH100.2525.35	25	25	150	40	46,5	32	23,05	f_1+w/2	40,5	81	38,6	B	100058
LH100.2020.15	20	20	125	-	28,5	20	18,05	f_1+w/2	16	42	25	A	100058
LH100.2525.15	25	25	150	-	28,5	25	23,05	f_1+w/2	16	42	30	A	100058
LH100.2020.35	20	20	125	35	38,5	25	18,05	f_1+w/2	32,5	65	31,6	B	100058
LH100.2525.35	25	25	150	40	46,5	32	23,05	f_1+w/2	40,5	81	38,6	B	100058

w voir plaquettes
w vd. inserti

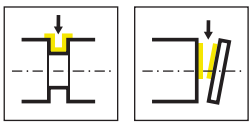
La clé **P39L** n'est pas fournie avec la lame R/LH100...35 - à cder séparément!
La chiave P39L non viene fornita con la lama R/LH100...35 - bisogna ordinarla separatamente!

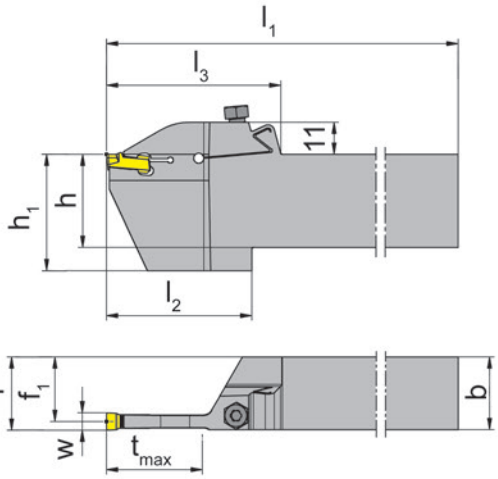
Pièces Détachées
Ricambi

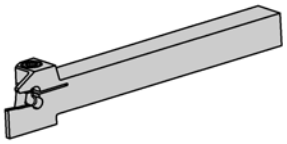
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100....	**5.17T20P**	**T20PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
RH100.2020.3.04	20	20	150	50	60	32	18,2	f_1+w/2	33	100048
RH100.2020.3.05	20	20	150	50	60	32	17,7	f_1+w/2	33	100058
RH100.2525.3.05	25	25	150	50	60	32	22,7	f_1+w/2	33	100058
RH100.2525.3.06	25	25	150	50	60	40	22,2	f_1+w/2	33	100068
RH100.3225.3.06	32	25	170	50	60	40	22,2	f_1+w/2	33	100068
RH100.3225.3.08	32	25	170	50	60	40	21,2	f_1+w/2	33	100088
RH100.3225.38	32	25	170	50	60	40	21,2	f_1+w/2	35	100088
RH100.3225.4.08	32	25	170	55	65	40	21,2	f_1+w/2	41	100088
RH100.3225.4.10	32	25	170	55	65	40	20,3	f_1+w/2	41	100108
RH100.3225.4.12	32	25	170	55	65	40	19,3	f_1+w/2	41	100128
LH100.2020.3.04	20	20	150	50	60	32	18,2	f_1+w/2	33	100048
LH100.2020.3.05	20	20	150	50	60	32	17,7	f_1+w/2	33	100058
LH100.2525.3.05	25	25	150	50	60	32	22,7	f_1+w/2	33	100058
LH100.2525.3.06	25	25	150	50	60	40	22,2	f_1+w/2	33	100068
LH100.3225.3.06	32	25	170	50	60	40	22,2	f_1+w/2	33	100068
LH100.3225.3.08	32	25	170	50	60	40	21,2	f_1+w/2	33	100088
LH100.3225.38	32	25	170	50	60	40	21,2	f_1+w/2	35	100088
LH100.3225.4.08	32	25	170	55	65	40	21,2	f_1+w/2	41	100088
LH100.3225.4.10	32	25	170	55	65	40	20,3	f_1+w/2	41	100108
LH100.3225.4.12	32	25	170	55	65	40	19,3	f_1+w/2	41	100128

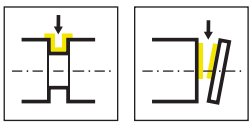
w voir plaquettes
w vd. inserti

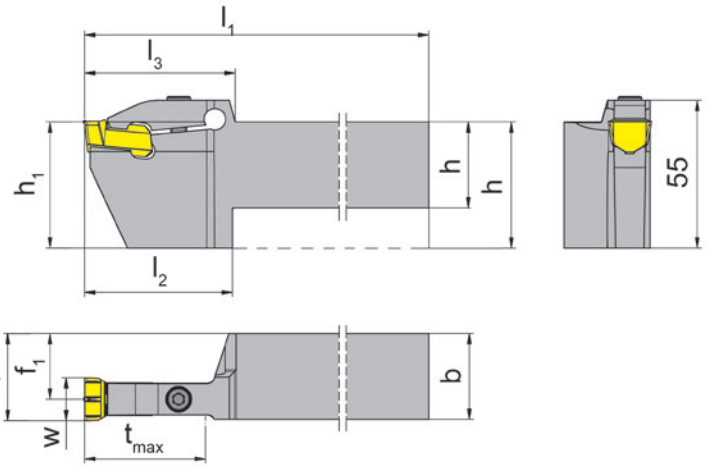
Pièces Détachées
Ricambi

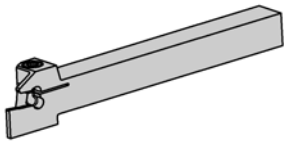
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**030.6075.T20P**	**T20PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	l_3	HWS
RH100.3232.5.16	32	32	170	55	47	24,5	f_1+w/2	45	56	100168
LH100.3232.5.16	32	32	170	55	47	24,5	f_1+w/2	45	56	100168

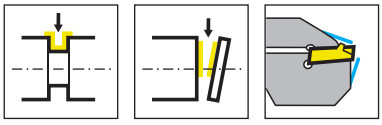
w voir plaquettes
w vd. inserti

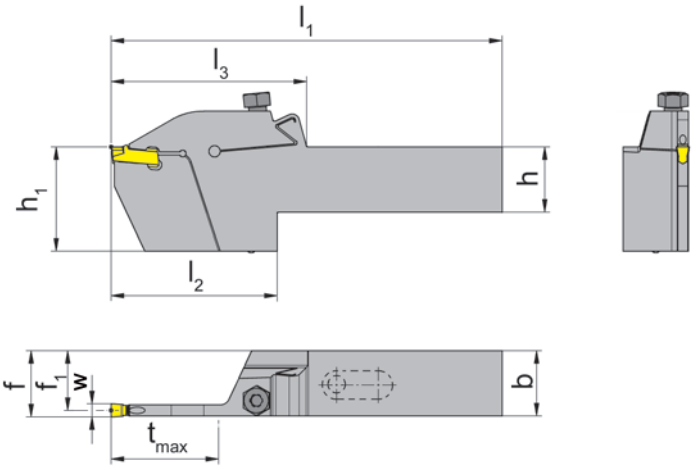
Pièces Détachées
Ricambi

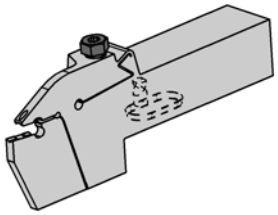
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100.3232.5.16	**030.0625.T25P**	**T25PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
RH100.2020.3.2.04.IK	20	20	120	51	60	32	18,3	f_1+w/2	33	100048
RH100.2525.3.2.04.IK	25	25	134	50	60	32	23,3	f_1+w/2	33	100048
LH100.2020.3.2.04.IK	20	20	120	51	60	32	18,3	f_1+w/2	33	100048
LH100.2525.3.2.04.IK	25	25	134	50	60	32	23,3	f_1+w/2	33	100048

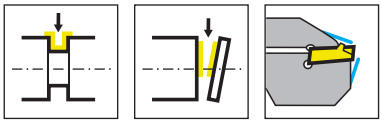
w voir plaquettes
w vd. inserti

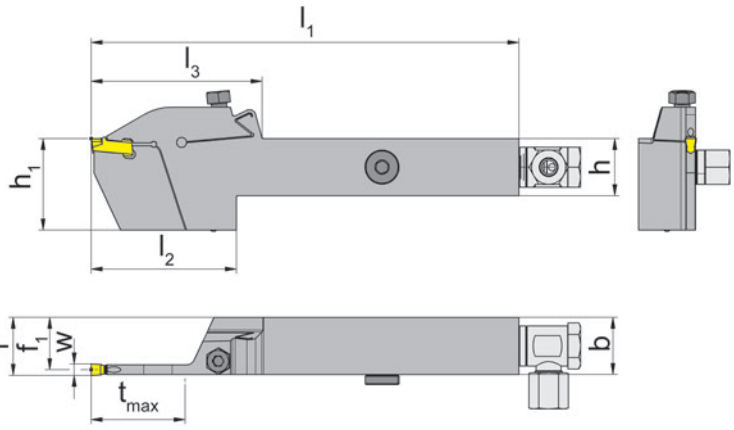
Pièces Détachées
Ricambi

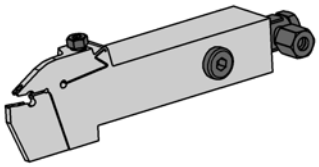
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**030.6075.T20P**	**T20PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	HWS
RH100.2020.3.0.04.IK	20	20	150	51	60	32	18,3	f_1+w/2	33	100048
RH100.2525.3.0.04.IK	25	25	150	50	60	32	23,3	f_1+w/2	33	100048
LH100.2020.3.0.04.IK	20	20	150	51	60	32	18,3	f_1+w/2	33	100048
LH100.2525.3.0.04.IK	25	25	150	50	60	32	23,3	f_1+w/2	33	100048

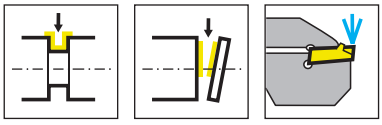
w voir plaquettes
w vd. inserti

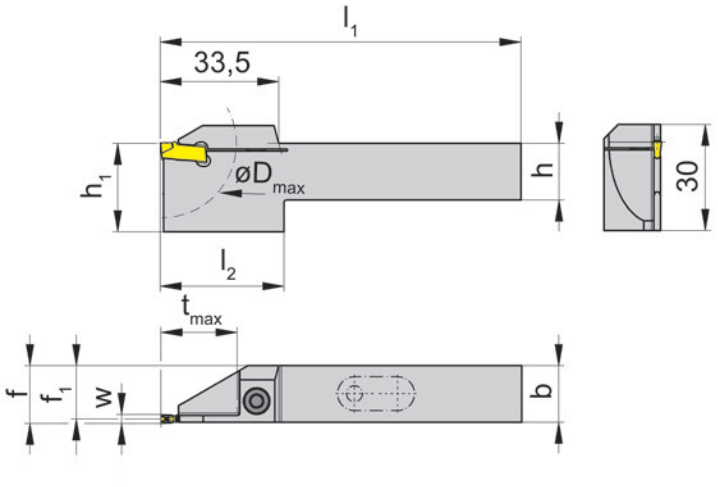
Pièces Détachées
Ricambi

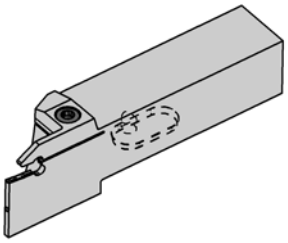
Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH100...	**004.00.16**	**030.6075.T20P**	**T20PQ**	**004.00.26**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.2020.3.22.IK	20	20	102	35	25	19,05	f_1+w/2	21,5	42	100029
LH100.1616.3.22.IK	16	16	89	35	25	15,05	f_1+w/2	21,5	42	100029
LH100.2020.3.22.IK	20	20	102	35	25	19,05	f_1+w/2	21,5	42	100029

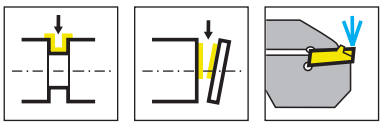
w voir plaquettes
w vd. inserti

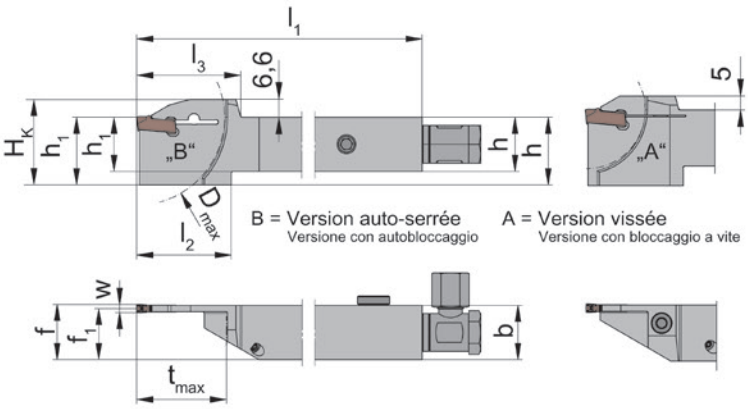
Pièces Détachées
Ricambi

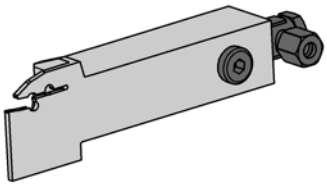
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**5.17T20P**	**T20PQ**

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	Forme Forma	HWS
RH100.1616.1.23.IK	16	16	125	35	33,5	27	14,85	f_1+w/2	21,5	42	32	A	100039
RH100.2020.1.13.IK	20	20	125	30	28,5	27	18,85	f_1+w/2	16	42	32	A	100039
RH100.2020.1.23.IK	20	20	125	35	33,5	27	18,85	f_1+w/2	21,5	42	32	A	100039
RH100.2020.1.33.IK	20	20	125	35	38,5	27	18,85	f_1+w/2	33	65	33,6	B	100039
RH100.2020.1.34.IK	20	20	125	35	38,5	27	18,45	f_1+w/2	33	65	33,6	B	100049
RH100.2525.1.33.IK	25	25	150	35	38,5	32	23,85	f_1+w/2	33	65	38,6	B	100039
RH100.2525.1.34.IK	25	25	150	40	46,5	32	23,45	f_1+w/2	41	81	38,6	B	100049
LH100.1616.1.23.IK	16	16	125	35	33,5	27	14,85	f_1+w/2	21,5	42	32	A	100039
LH100.2020.1.13.IK	20	20	125	30	28,5	27	18,85	f_1+w/2	16	42	32	A	100039
LH100.2020.1.23.IK	20	20	125	35	33,5	27	18,85	f_1+w/2	21,5	42	32	A	100039
LH100.2020.1.33.IK	20	20	125	35	38,5	27	18,85	f_1+w/2	33	65	33,6	B	100039
LH100.2525.1.33.IK	25	25	150	35	38,5	32	23,85	f_1+w/2	33	65	38,6	B	100039
LH100.2525.1.34.IK	25	25	150	40	46,5	32	23,45	f_1+w/2	41	81	38,6	B	100049

w voir plaquettes
w vd. inserti

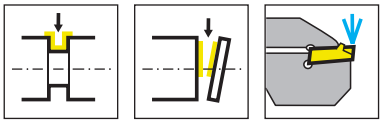
La clé **P39L** n'est pas fournie avec la lameH100...33/...34 - à cder séparément!
La chiave P39L non viene fornita con la lama H100...33/...34 - bisogna ordinarla separatamente!

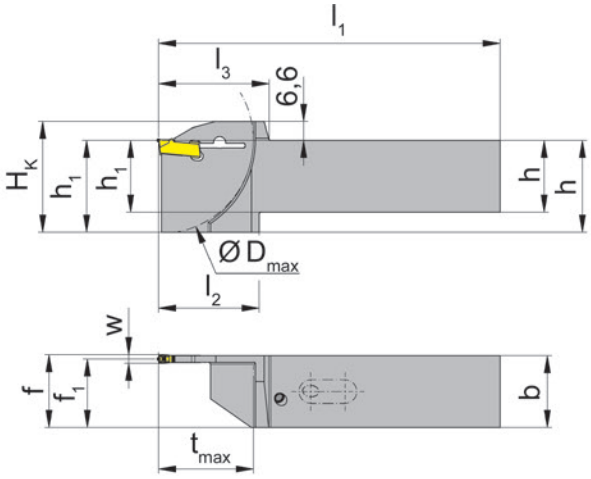
Pièces Détachées
Ricambi

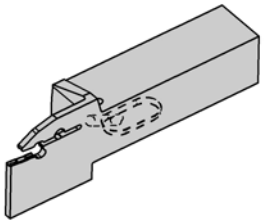
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Arrosage** Lubrificazione	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH100...	**5.17T20P**	**004.00.16**	**T20PQ**	**004.00.26**
R/LH100.2020.1.33/34		**004.00.16**		**004.00.26**

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

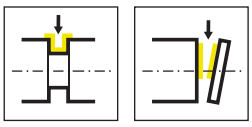
Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH100.2020.3.33.IK	20	20	104	35	38,5	27	18,85	f_1+w/2	33	65	33,6	100039
RH100.2525.3.33.IK	25	25	119	35	38,5	32	23,85	f_1+w/2	33	65	38,6	100039
LH100.2020.3.33.IK	20	20	104	35	38,5	27	18,85	f_1+w/2	33	65	33,6	100039
LH100.2525.3.33.IK	25	25	119	35	38,5	32	23,85	f_1+w/2	33	65	38,6	100039

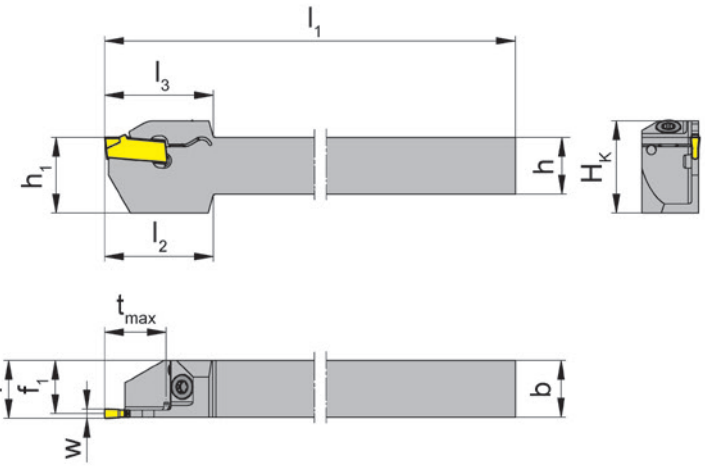
w voir plaquettes
w vd. inserti

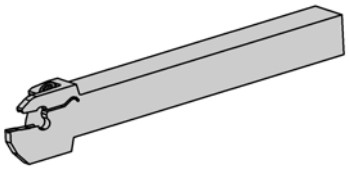
La clé **P39L** n'est pas fournie avec la lame R/LH100...33 - à cder séparément!
La chiave P39L non viene fornita con la lama R/LH100...33 - bisogna ordinarla separatamente!

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH100.1212.24.61	12	12	125	23	23	16	11,25	f_1+w/2	13	26	19,5	100018
RH100.1212.32.63	12	12	125	27	24	16	10,85	f_1+w/2	17	34	19,5	100038
RH100.1616.24.61	16	16	125	23	-	16	15,25	f_1+w/2	13	26	19,5	100018
RH100.1616.32.63	16	16	125	27	-	16	14,85	f_1+w/2	17	34	19,5	100038
LH100.1212.24.61	12	12	125	23	23	16	11,25	f_1+w/2	13	26	19,5	100018
LH100.1212.32.63	12	12	125	24	27	16	10,85	f_1+w/2	17	34	19,5	100038
LH100.1616.24.61	16	16	125	-	23	16	15,25	f_1+w/2	13	26	19,5	100018
LH100.1616.32.63	16	16	125	-	27	16	14,85	f_1+w/2	17	34	19,5	100038

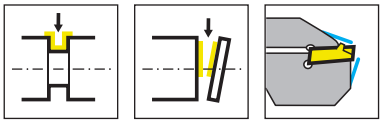
w voir plaquettes
w vd. inserti

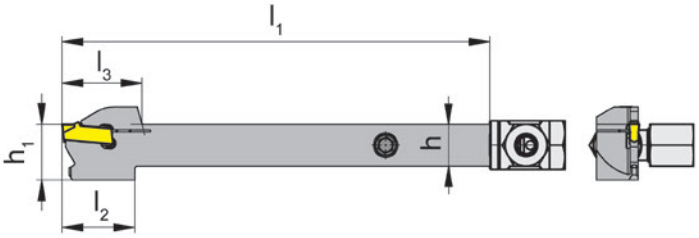
Pièces Détachées
Ricambi

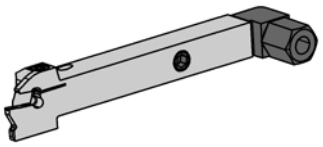
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**3.5.12T10EP**	**T10PL**

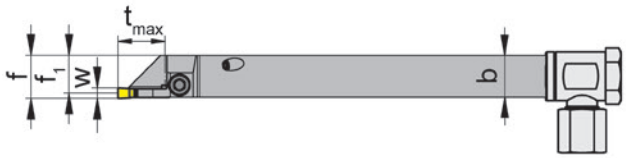
Porte outils
Portainserto

H100









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	HWS
RH100.1212.5.23.IK	12	12	125	21	23	16	10,85	f_1+w/2	13,5	26	100038
LH100.1212.5.23.IK	12	12	125	21	23	16	10,85	f_1+w/2	13,5	26	100038

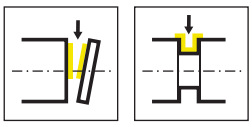
w voir plaquettes
w vd. inserti

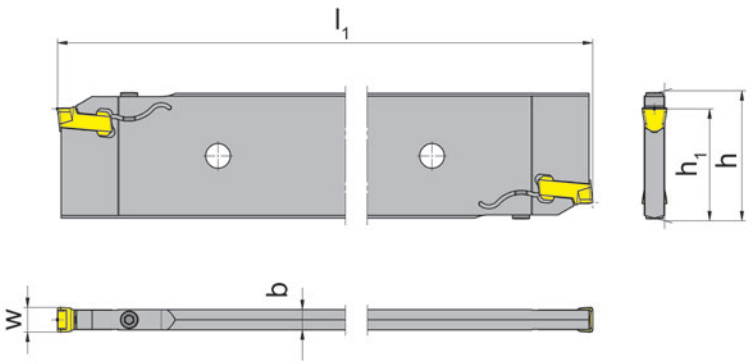
Pièces Détachées
Ricambi

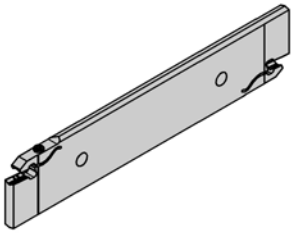
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Arrosage** Lubrificazione	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100.1212.5.23.IK	**4.15T15P**	**004.00.61**	**T15PQ**

Porte outils
Portainserto

H100







Numéro de commande Codice prodotto	h	b	l_1	h_1	HWS
H100.5208.26.08	52,6	7,4	260	45	100088
H100.5210.26.10	52,6	8,2	260	45	100108
H100.5212.26.12	52,6	10,4	260	45	100128

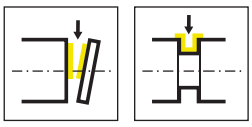
w voir plaquettes
w vd. inserti

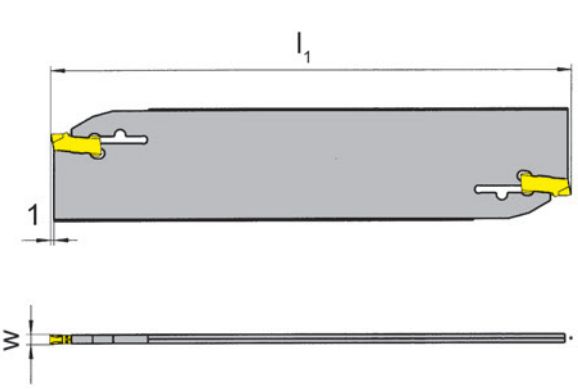
Pièces Détachées
Ricambi

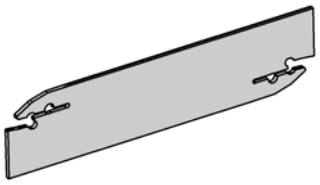
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
H100...	**5.13T20P**	**T20PQ**

Porte outils
Portainserto

H100







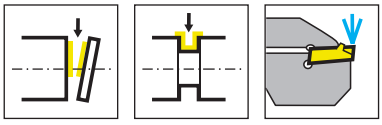
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	HWS
H100.2601.01	26	1,5	110	21,4	0,75	25	100018
H100.2602.02	26	1,9	110	21,4	0,95	37,5	100028
H100.2603.03	26	2,3	110	21,4	1,15	37,5	100038
H100.2604.04	26	3,1	110	21,8	1,65	40	100048
H100.3201.01	32	1,5	150	24,8	0,75	25	100018
H100.3202.02	32	1,9	150	24,8	0,95	50	100028
H100.3203.03	32	2,3	150	24,8	1,15	50	100038
H100.3204.04	32	3,1	160	24,8	1,65	55	100048
H100.3205.05	32	3,9	160	24,8	2	55	100058

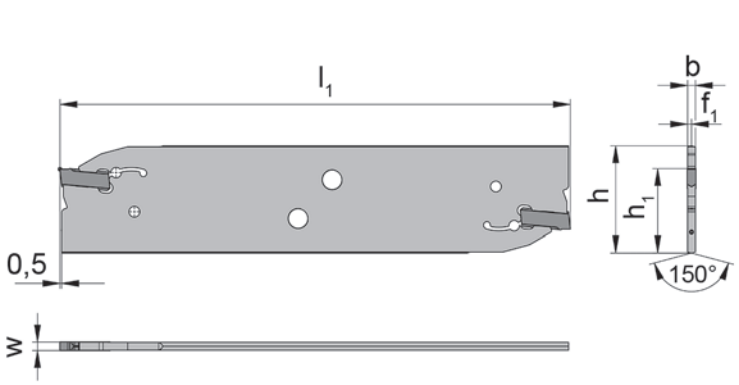
w voir plaquettes
w vd. inserti

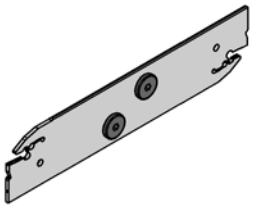
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

Porte outils
Portainserto

H100







Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	HWS
H100.2602.8.02.IK	26	1,9	110	21,4	0,95	35	100029 • 100028
H100.2603.8.03.IK	26	2,3	110	21,4	1,15	35	100039 • 100038
H100.2604.8.04.IK	26	3,1	110	21,4	1,55	35	100049 • 100048
H100.3202.8.02.IK	32	1,9	150	24,8	0,95	55	100029 • 100028
H100.3203.8.03.IK	32	2,3	150	24,8	1,15	60	100039 • 100038
H100.3204.8.04.IK	32	3,1	150	24,8	1,55	60	100049 • 100048

w voir plaquettes
w vd. inserti

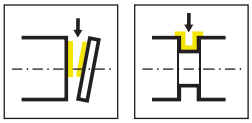
La clé **P101.02** n'est pas fournie avec le fraise - à cder séparément!
La chiave P101.02 non viene fornita con fresa - bisogna ordinarla separatamente!

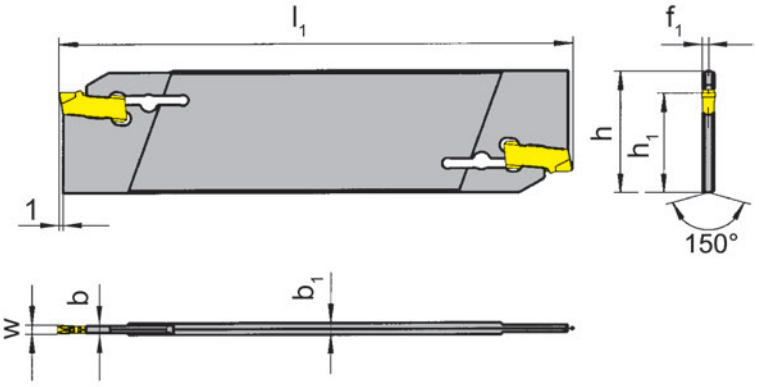
Pièces Détachées
Ricambi

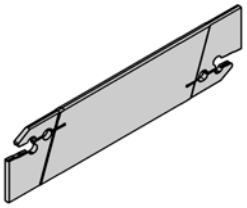
Porte outils Portainserto	**Bouchon de réfrigérant** Tappo del refrigerante
H100...	**020.IK01.5732**

Porte outils
Portainserto

H100







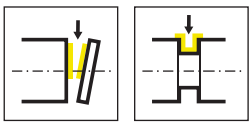
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	b_1	HWS
H100.2603.01	26	1,5	110	21,4	1,15	21	2,3	100018
H100.2603.02	26	1,9	110	21,4	1,15	21	2,3	100028
H100.3203.01	32	1,5	150	24,8	1,15	25	2,3	100018
H100.3203.02	32	1,9	150	24,8	1,15	25	2,3	100028

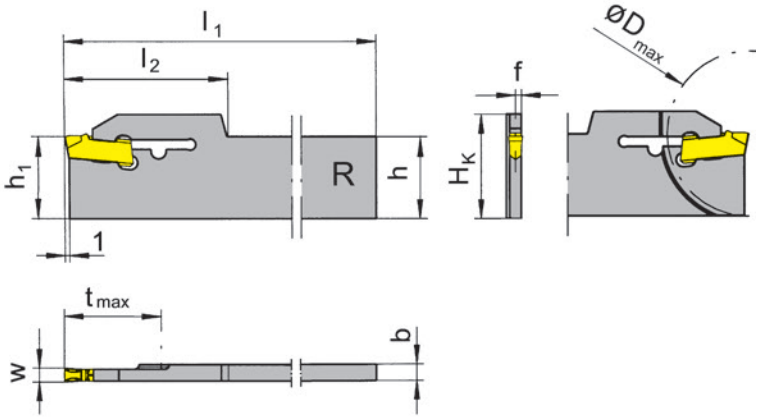
w voir plaquettes
w vd. inserti

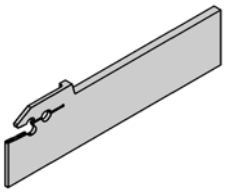
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

Porte outils
Portainserto

H100







R = version à droite
R = versione destra

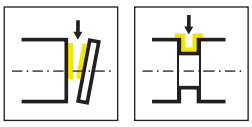
Numéro de commande Codice prodotto	H_K	b	l_1	h_1	f	l_2	t_{max}	D_{max}	h	HWS
RH100.1703.21	22,1	3,2	110	17,4	0,75	32	17,5	35	17,4	100018
RH100.2203.21	26,9	3,2	150	22,2	0,75	32	32	50	22,1	100018
RH100.1703.33	22,1	3,2	110	17,4	1,15	34,5	30	60	17,4	100038
RH100.2203.33	26,9	3,2	150	22,2	1,15	34,5	38	76	22,1	100038

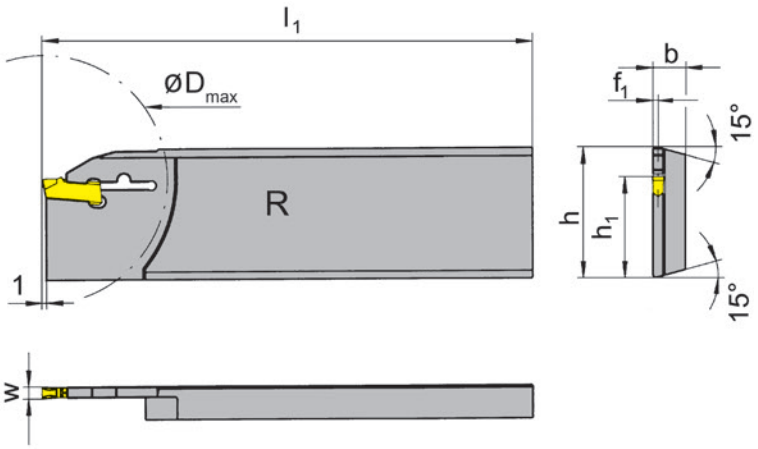
w voir plaquettes
w vd. inserti

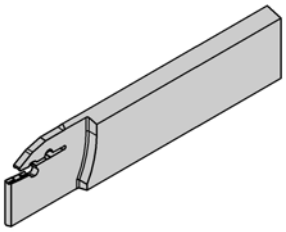
La clé **P39L** n'est pas fournie avec la lame R/LH100...33 - à cder séparément!
La chiave P39L non viene fornita con la lama R/LH100...33 - bisogna ordinarla separatamente!

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

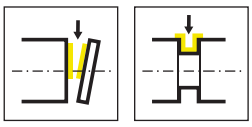
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.2608.31	26	7,9	110	21,4	0,75	21	42	100018
RH100.2608.32	26	7,9	110	21,4	0,95	25	50	100028
RH100.2608.33	26	7,9	110	21,4	1,15	25	50	100038
RH100.3208.31	32	7,9	112	24,8	0,75	25	50	100018
RH100.3208.32	32	7,9	112	24,8	0,95	34	68	100028
RH100.3208.33	32	7,9	112	24,8	1,15	34	68	100038
RH100.3208.34	32	7,9	112	24,8	1,55	34	68	100048
LH100.2608.31	26	7,9	110	21,4	0,75	21	42	100018
LH100.2608.32	26	7,9	110	21,4	0,95	25	50	100028
LH100.2608.33	26	7,9	110	21,4	1,15	25	50	100038
LH100.2608.34	26	7,9	110	21,4	1,55	25	50	100048
LH100.3208.31	32	7,9	112	24,8	0,75	25	50	100018
LH100.3208.32	32	7,9	112	24,8	0,95	34	68	100028
LH100.3208.33	32	7,9	112	24,8	1,15	34	68	100038
LH100.3208.34	32	7,9	112	24,8	1,55	34	68	100048

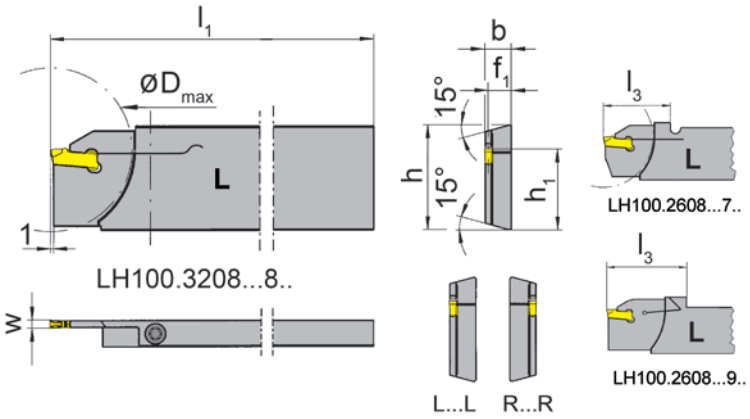
w voir plaquettes
w vd. inserti

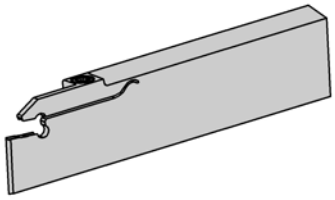
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	HWS
RH100.2608.71R	26	7,9	110	21,4	7,15	33,8	25	50	100018
RH100.3208.71R	32	7,9	112	24,8	7,15	33,8	25	50	100018
RH100.2608.72R	26	7,9	110	21,4	6,95	33,8	25	50	100028
RH100.3208.72R	32	7,9	112	24,8	6,95	33,8	25	50	100028
RH100.2608.93R	26	8	115	21,4	6,85	40	25	50	100038
RH100.3208.93R	32	8	115	24,8	6,85	42	32,5	65	100038
LH100.2608.71L	26	7,9	110	21,4	7,15	33,8	25	50	100018
LH100.3208.71L	32	7,9	112	24,8	7,15	33,8	25	50	100018
LH100.2608.72L	26	7,9	110	21,4	6,95	33,8	25	50	100028
LH100.3208.72L	32	7,9	112	24,8	6,95	33,8	25	50	100028
LH100.2608.93L	26	8	115	21,4	6,85	40	25	50	100038
LH100.3208.93L	32	8	115	24,8	6,85	42	32,5	65	100038

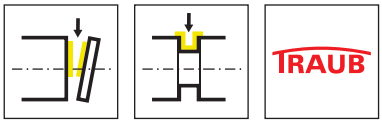
w voir plaquettes
w vd. inserti

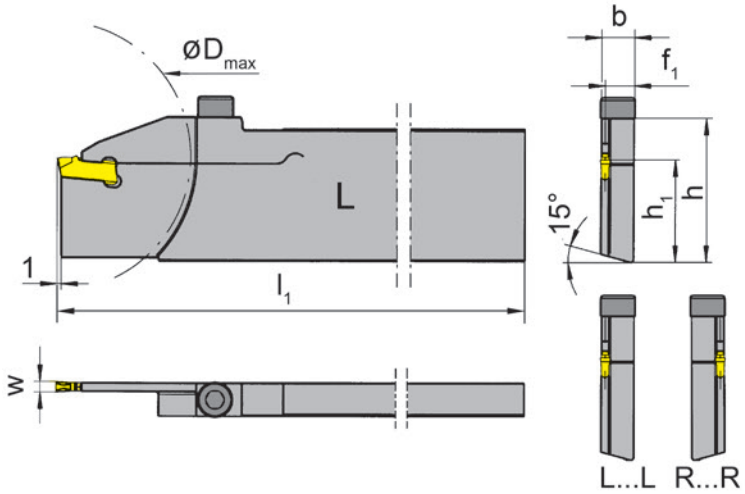
Pièces Détachées
Ricambi

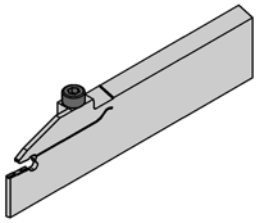
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**4.15T15P**	**T15PQ**
R/LH100...93R/L	**030.0413.T15P**	**T15PQ**

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

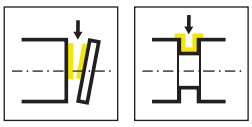
R = version à droite
R = versione destra a specchio

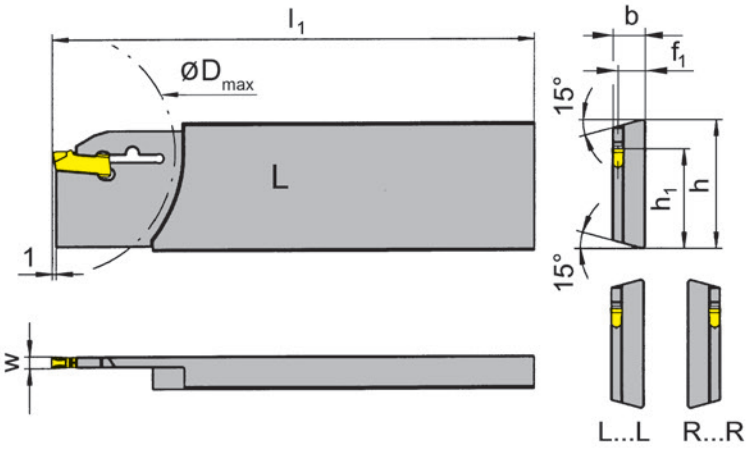
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.3280.73R	32	7,9	130	24,8	6,75	32,5	65	100038
RH100.3280.74R	32	7,9	130	24,8	6,35	32,5	65	100048
LH100.3280.73L	32	7,9	130	24,8	6,75	32,5	65	100038
LH100.3280.74L	32	7,9	130	24,8	6,35	32,5	65	100048

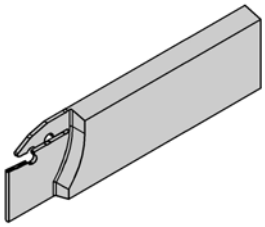
w voir plaquettes
w vd. inserti

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

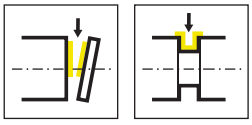
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.2608.31R	26	7,9	110	21,4	7,15	21	42	100018
RH100.3208.31R	32	7,9	112	24,8	7,15	25	50	100018
RH100.2608.32R	26	7,9	110	21,4	6,95	25	50	100028
RH100.3208.32R	32	7,9	112	24,8	6,95	34	68	100028
RH100.2608.33R	26	7,9	110	21,4	6,75	25	50	100038
RH100.3208.33R	32	7,9	112	24,8	6,75	34	68	100038
RH100.2608.34R	26	7,9	110	21,4	6,35	25	50	100048
RH100.3208.34R	32	7,9	112	24,8	6,35	34	68	100048
LH100.2608.31L	26	7,9	110	21,4	7,15	21	42	100018
LH100.3208.31L	32	7,9	112	24,8	7,15	25	50	100018
LH100.2608.32L	26	7,9	110	21,4	6,95	25	50	100028
LH100.3208.32L	32	7,9	112	24,8	6,95	34	68	100028
LH100.2608.33L	26	7,9	110	21,4	6,75	25	50	100038
LH100.3208.33L	32	7,9	112	24,8	6,75	34	68	100038
LH100.2608.34L	26	7,9	110	21,4	6,35	25	50	100048
LH100.3208.34L	32	7,9	112	24,8	6,35	34	68	100048

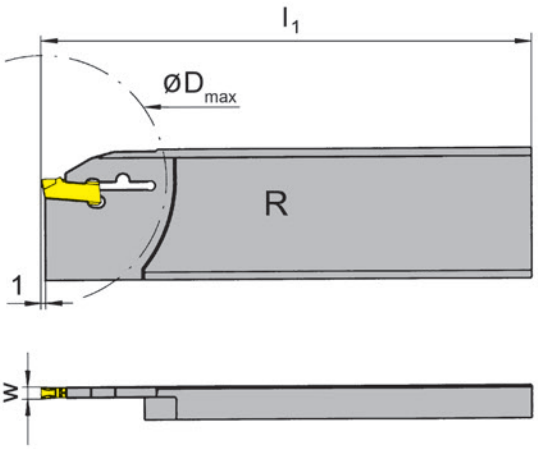
w voir plaquettes
w vd. inserti

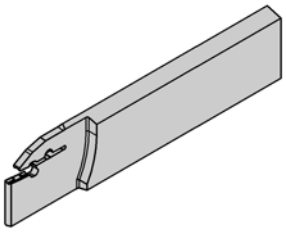
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

Porte outils
Portainserto

H100







R = version à droite
R = versione destra

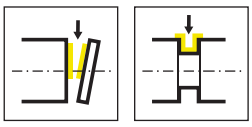
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.3208.2.44	32	7,9	160	24,8	1,55	41	80	100048
RH100.3208.44	32	7,9	130	24,8	1,55	41	80	100048

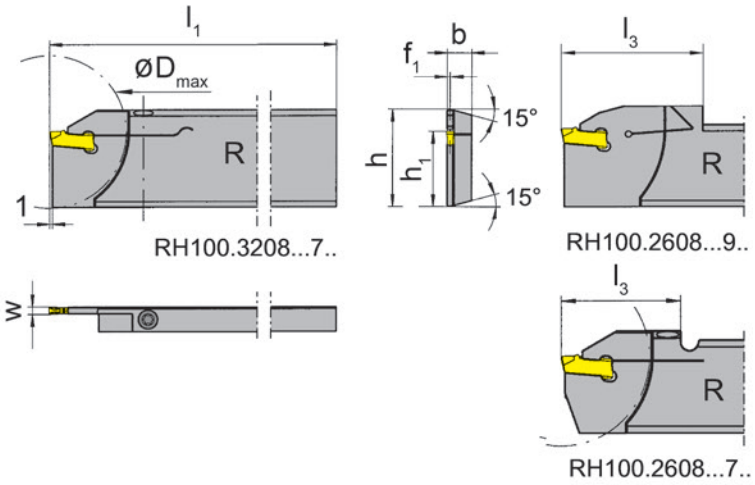
w voir plaquettes
w vd. inserti

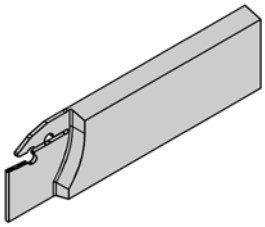
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	HWS
RH100.2608.71	26	7,9	110	21,4	0,75	33,8	25	50	100018
RH100.3208.71	32	7,9	112	24,8	0,75	33,8	25	50	100018
RH100.2608.72	26	7,9	110	21,4	0,95	33,8	25	50	100028
RH100.3208.72	32	7,9	112	24,8	0,95	33,8	25	50	100028
RH100.2608.93	26	8	112	21,4	1,15	40	25	50	100038
RH100.3208.93	32	8	112	24,8	1,15	40	32,5	65	100038
LH100.2608.71	26	7,9	110	21,4	0,75	33,8	25	50	100018
LH100.3208.71	32	7,9	112	24,8	0,75	33,8	25	50	100018
LH100.2608.72	26	7,9	110	21,4	0,95	33,8	25	50	100028
LH100.3208.72	32	7,9	112	24,8	0,95	33,8	25	50	100028
LH100.2608.93	26	8	112	21,4	1,15	40	25	50	100038
LH100.3208.93	32	8	112	24,8	1,15	40	32,5	65	100038

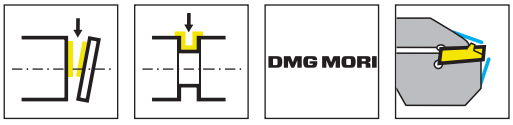
w voir plaquettes
w vd. inserti

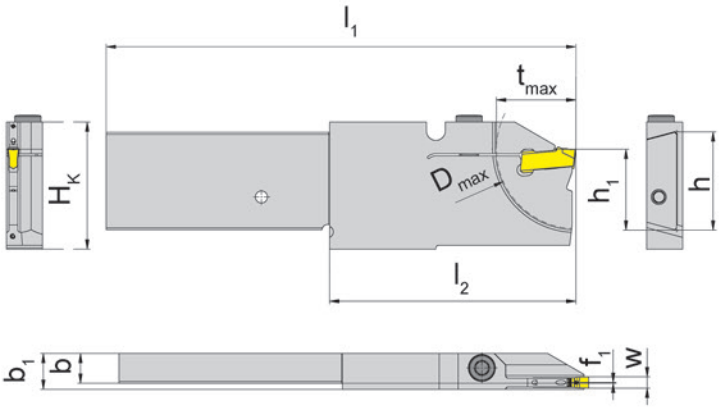
Pièces Détachées
Ricambi

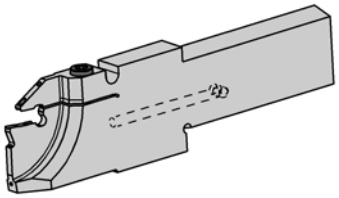
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**4.15T15P**	**T15PQ**
R/LH100...93	**030.0413.T15P**	**T15PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	H_K	h	b	l_1	h_1	f_1	t_{max}	l_2	D_{max}	b_1	HWS
RH100.2608.2.16.4.72.IK	33,6	26	7,9	124	21,4	0,2	16	65	32	9,5	100028
RH100.2608.2.16.4.72R.IK	33,6	26	7,9	124	21,4	6,4	16	65	32	9,5	100028
RH100.2608.2.21.4.73.IK	33,6	26	7,9	124	21,4	0,2	21	65	42	9,5	100038
RH100.2608.2.21.4.73R.IK	33,6	26	7,9	124	21,4	6,4	21	65	42	9,5	100038

pour machines DMG MORI (Multisprint)
per macchina DMG MORI (Multisprint)

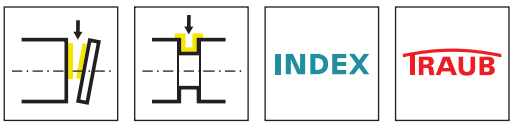
w voir plaquettes
w vd. inserti

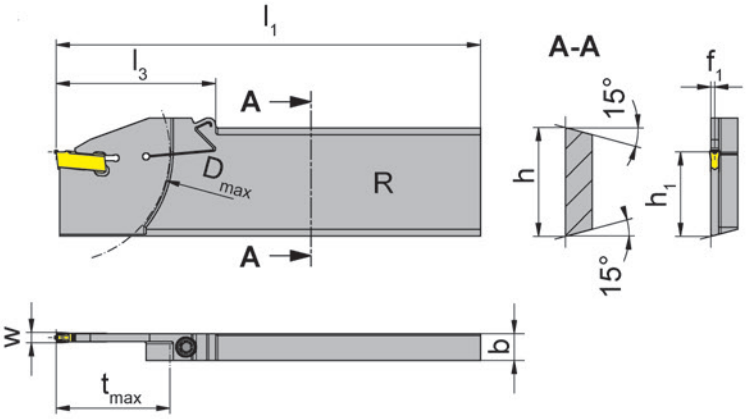
Pièces Détachées
Ricambi

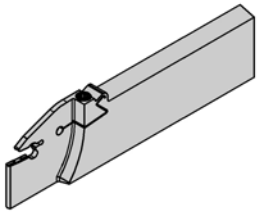
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RH100...	**5.13T20P**	**T20PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	Type de machine Tipo macchina	HWS
RH100.3208.83	32	8	125	24,8	1,15	47	33,5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.83	32	8	125	24,8	1,15	47	33,5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.15.83	32	8	150	24,8	1,15	47	33,5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.84	32	8	125	24,8	1,5	47	33,5	65	TraubTNX65/42, IndexC65/	100048

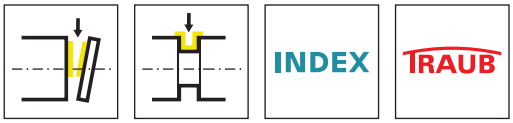
w voir plaquettes
w vd. inserti

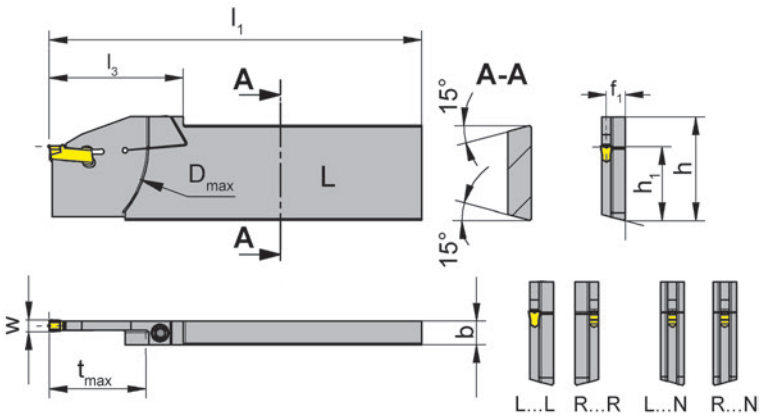
Pièces Détachées
Ricambi

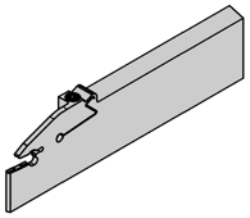
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**030.505P.0718**	**T15PQ**

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	Type de machine Tipo macchina	HWS
RH100.3208.83R	32	8	125	24,8	6,85	47	33,5	65	TraubTNX65/42, IndexC65/	100038
RH100.3208.84R	32	8	125	24,8	6,5	47	33,5	65	TraubTNX65/42, IndexC65/	100048
RH100.3208.84N	32	8	134	24,8	4	54,5	41	80	TraubTNX80/65/	100048
LH100.3208.83L	32	8	125	24,8	6,85	47	33,5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.83N	32	8	125	24,8	4	47	33,5	65	TraubTNX65/42, IndexC65/	100038
LH100.3208.84L	32	8	125	24,8	6,5	47	33,5	65	TraubTNX65/42, IndexC65/	100048
LH100.3208.84N	32	8	134	24,8	4	54,5	41	80	TraubTNX80/65/	100048

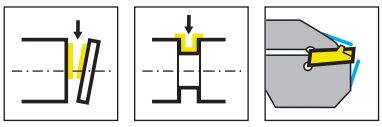
w voir plaquettes
w vd. inserti

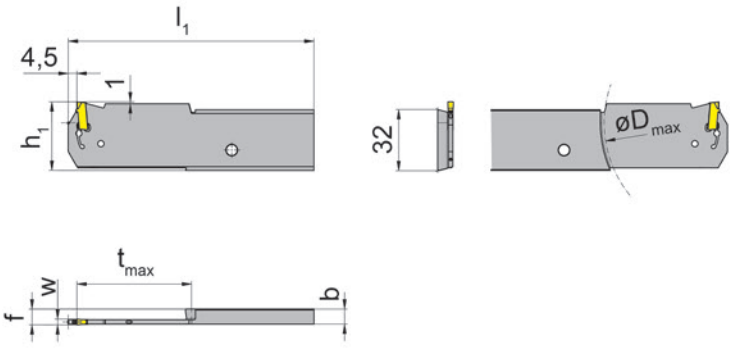
Pièces Détachées
Ricambi

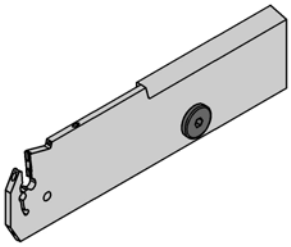
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**030.505P.0718**	**T15PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH100.3208.Y.60.4.83.IK	7,9	128,5	36	8,25	60	120	100038
RH100.3208.Y.60.4.84.IK	7,9	128,5	36	8,25	60	120	100048
LH100.3208.Y.60.4.83.IK	7,9	128,5	36	8,25	60	120	100038
LH100.3208.Y.60.4.84.IK	7,9	128,5	36	8,25	60	120	100048

w voir plaquettes
w vd. inserti

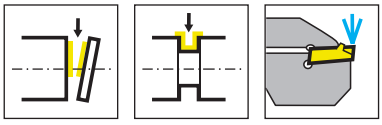
La clé **P101.02** n'est pas fournie avec le fraise - à cder séparément!
La chiave P101.02 non viene fornita con fresa - bisogna ordinarla separatamente!

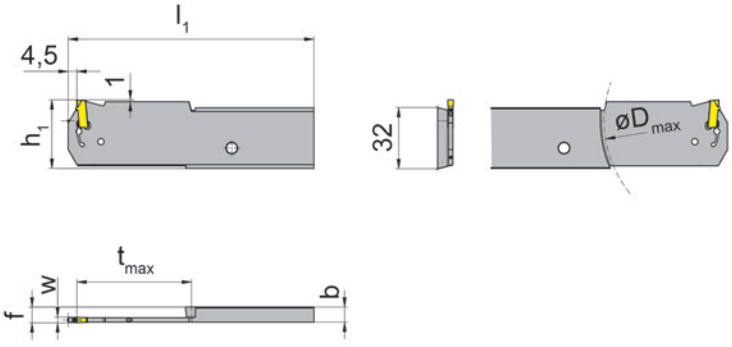
Pièces Détachées
Ricambi

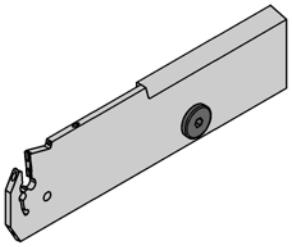
Porte outils Portainserto	**Bouchon de réfrigérant** Tappo del refrigerante
R/LH100...	**020.IK01.5732**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH100.3208.Y.60.3.83.IK	7,9	128,5	36	8,25	60	120	100039 • 100038
RH100.3208.Y.60.3.84.IK	7,9	128,5	36	8,25	60	120	100049 • 100048
LH100.3208.Y.60.3.83.IK	7,9	128,5	36	8,25	60	120	100039 • 100038
LH100.3208.Y.60.3.84.IK	7,9	128,5	36	8,25	60	120	100049 • 100048

w voir plaquettes
w vd. inserti

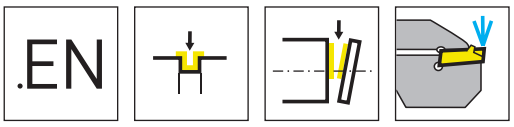
La clé **P101.02** n'est pas fournie avec le fraise - à cder séparément!
La chiave P101.02 non viene fornita con fresa - bisogna ordinarla separatamente!

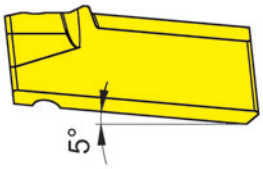
Pièces Détachées
Ricambi

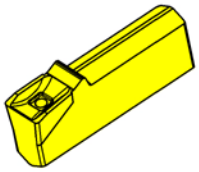
Porte outils Portainserto	**Bouchon de réfrigérant** Tappo del refrigerante
R/LH100...	**020.IK01.5732**

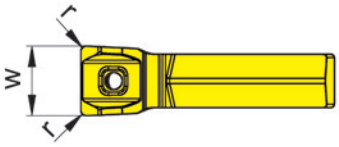
Plaquette de coupe
Inserto

S100









Nuance
Leghe

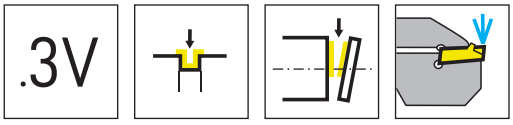
▲ en stock
a stock

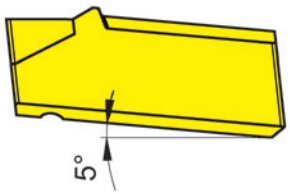
Δ 4 semaines
4 settimane

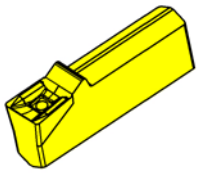
Numéro de commande Codice prodotto	w	r	HIS		AS45	EG55	HP65
S100.0250.EN2.IK	2,5	0,2	100029		▲	Δ	▲
S100.0300.EN2.IK	3	0,2	100039		▲	▲	▲
S100.0400.EN3.IK	4	0,3	100049		▲	▲	▲
				P	●	●	●
				M	●	o	●
				K	●	o	●
				N	o	-	o
				S	●	-	●
				H	-	-	-

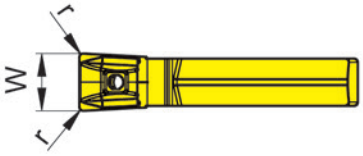
Plaquette de coupe
Inserto

S100









Nuance
Leghe

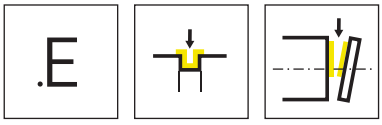
▲ en stock
a stock

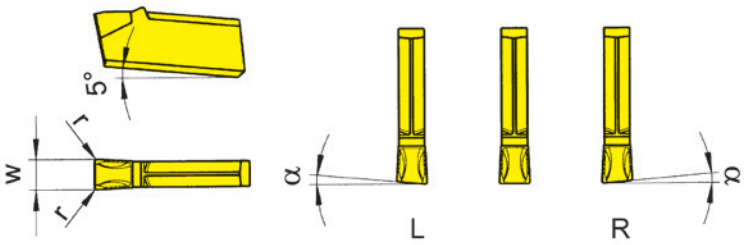
Δ 4 semaines
4 settimane

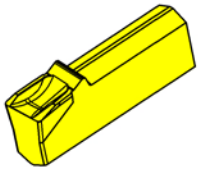
Numéro de commande Codice prodotto	w	r	HIS		HP65	IG35
S100.0250.3V2.IK	2,5	0,2	100029		▲	▲
S100.0300.3V2.IK	3	0,2	100039		▲	▲
				P	●	-
				M	●	●
				K	●	-
				N	o	-
				S	●	●
				H	-	-

Plaquette de coupe
Inserto

S100







R = version à droite
R = versione destra

L = version à gauche
L = versione sinistra

Nuance
Leghe

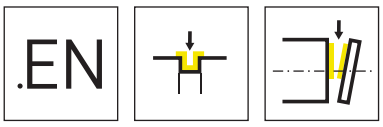
▲ en stock
a stock

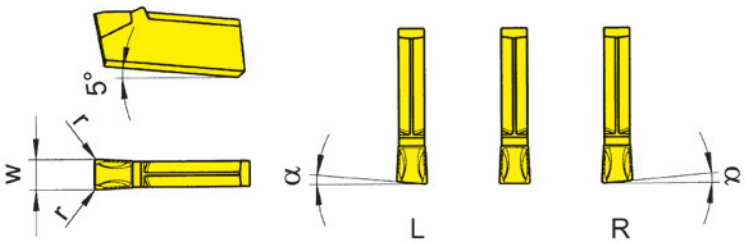
Δ 4 semaines
4 settimane

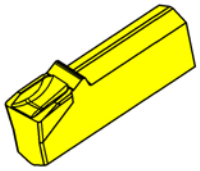
Numéro de commande Codice prodotto	w	r	α	HIS		ALX3	AS63	AS66	TF42	TF43	TF45	TF46
RS100.0520.E2	2	0,2	5°	100018						▲	▲	Δ
RS100.0525.E2	2,5	0,2	5°	100028						▲	▲	Δ
RS100.0530.E2	3	0,2	5°	100038		▲			▲	▲	▲	▲
RS100.0540.E2	4	0,2	5°	100048		Δ				▲	▲	
LS100.0520.E2	2	0,2	5°	100018						Δ	▲	Δ
LS100.0525.E2	2,5	0,2	5°	100028						Δ	Δ	Δ
LS100.0530.E2	3	0,2	5°	100038		▲			Δ	▲	▲	▲
LS100.0540.E2	4	0,2	5°	100048		Δ				▲	▲	Δ
S100.0200.E2	2	0,2	0°	100018		▲				▲	▲	▲
S100.0250.E2	2,5	0,2	0°	100028						▲	▲	▲
S100.0300.E2	3	0,2	0°	100038		▲	▲	▲	▲	▲	▲	▲
S100.0400.E3	4	0,3	0°	100048		▲				▲	▲	▲
S100.0500.E3	5	0,3	0°	100058				Δ		▲	▲	▲
					P	●	●	●	●	●	●	●
					M	-	-	o	-	-	●	o
					K	-	-	●	-	-	●	●
					N	-	-	●	-	-	●	●
					S	-	-	o	-	-	●	o
					H	-	-	-	-	-	-	-

Plaquette de coupe
Inserto

S100







R = version à droite
R = versione destra

L = version à gauche
L = versione sinistra

Nuance
Leghe

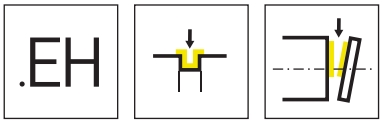
▲ en stock
a stock

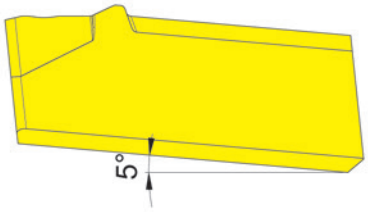
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	α	HIS		ALX3	AS62	AS63	AS66	AS6G
RS100.0530.EN2	3	0,2	5°	100038			▲		▲	
RS100.0540.EN2	4	0,2	5°	100048		▲				
LS100.0540.EN2	4	0,2	5°	100048		▲				
S100.0200.EN2	2	0,2	0°	100018		▲				▲
S100.0220.EN2	2,2	0,2	0°	100018						▲
S100.0250.EN2	2,5	0,2	0°	100028						▲
S100.0300.EN2	3	0,2	0°	100038		▲		▲	▲	▲
S100.0400.EN3	4	0,3	0°	100048		▲		▲		▲
S100.0500.EN3	5	0,3	0°	100058		▲				
S100.0600.EN6	6	0,6	0°	100068						▲
S100.0800.EN8	8	0,8	0°	100088						▲
S100.1000.EN8	10	0,8	0°	100108						▲
S100.1200.EN8	12	0,8	0°	100128						▲
S100.1600.EN8	16	0,8	0°	100168						▲
					P	●	●	●	●	●
					M	-	-	-	o	●
					K	-	-	-	●	●
					N	-	-	-	●	●
					S	-	-	-	o	●
					H	-	-	-	-	-

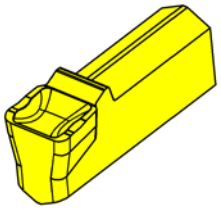
Plaquette de coupe
Inserto

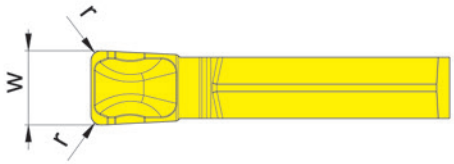
S100











Nuance
Leghe

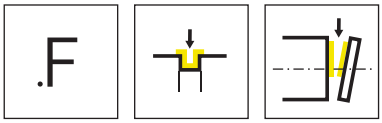
▲ en stock
a stock

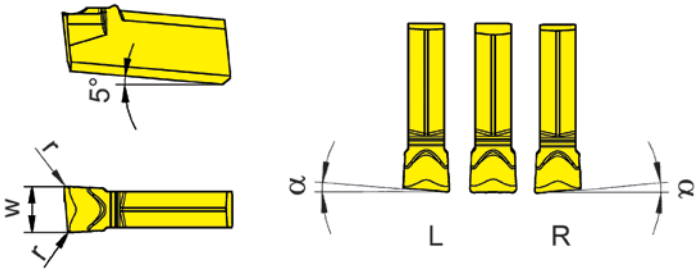
Δ 4 semaines
4 settimane

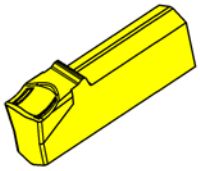
Numéro de commande Codice prodotto	w	r	HIS		IG69
S100.0300.EH4	3	0,4	100038		▲
S100.0400.EH6	4	0,6	100048		▲
				P	●
				M	o
				K	o
				N	-
				S	-
				H	-

Plaquette de coupe
Inserto

S100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

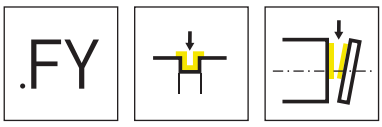
Δ 4 semaines
4 settimane

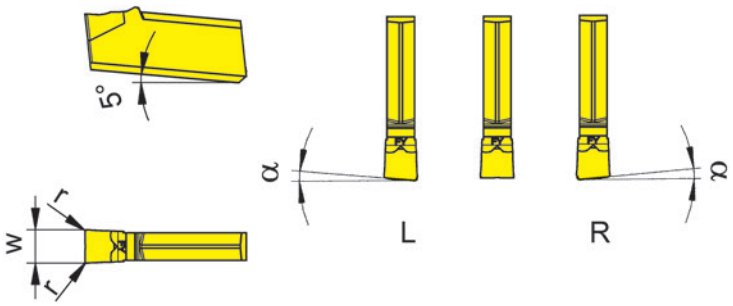
Nuance
Leghe

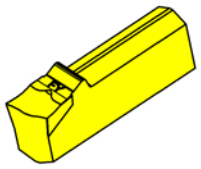
Numéro de commande Codice prodotto	w	r	α	HIS		TF43	TF45	TF46
RS100.0520.F2	2	0,2	5°	100018		Δ	▲	
RS100.0525.F2	2,5	0,2	5°	100028		Δ	▲	Δ
RS100.0530.F2	3	0,2	5°	100038		▲	▲	▲
RS100.0540.F2	4	0,2	5°	100048			▲	Δ
LS100.0520.F2	2	0,2	5°	100018		Δ		
LS100.0530.F2	3	0,2	5°	100038			▲	
LS100.0540.F2	4	0,2	5°	100048		Δ	▲	Δ
S100.0250.F2	2,5	0,2	0°	100028			▲	Δ
S100.0300.F2	3	0,2	0°	100038		▲	▲	▲
S100.0400.F3	4	0,3	0°	100048		▲	▲	▲
S100.0500.F3	5	0,3	0°	100058		Δ	▲	Δ
					P	●	●	●
					M	-	●	o
					K	-	●	●
					N	-	●	●
					S	-	●	o
					H	-	-	-

Plaquette de coupe
Inserto

S100







R = version à droite
R = versione destra

L = version à gauche
L = versione sinistra

▲ en stock
a stock

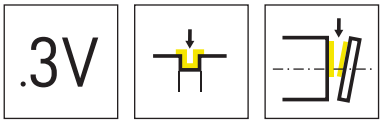
Δ 4 semaines
4 settimane

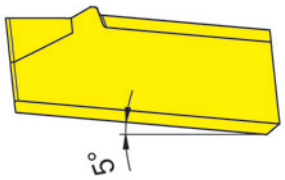
Nuance
Leghe

Numéro de commande Codice prodotto	w	r	α	HIS	AS45	HP65	IG35	TI25
RS100.1520.FY0	2	0	15°	100018	▲		▲	
RS100.1530.FY0	3	-	15°	100038	▲		▲	
LS100.1520.FY0	2	0	15°	100018	▲		▲	
LS100.1530.FY0	3	-	15°	100038	▲		▲	
S100.0200.FY2	2	0,2	0°	100018	Δ	▲	▲	▲
S100.0220.FY2	2,2	0,2	0°	100018			▲	▲
S100.0250.FY2	2,5	0,2	0°	100028	Δ	▲	▲	▲
S100.0300.FY2	3	0,2	0°	100038	Δ	▲	▲	▲
S100.0400.FY3	4	0,3	0°	100048		▲	▲	▲
P					●	●	-	●
M					●	●	●	●
K					●	●	-	●
N					o	o	-	●
S					●	●	●	●
H					-	-	-	-

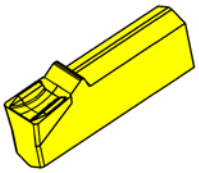
Plaquette de coupe
Inserto

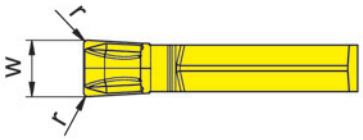
S100











Nuance
Leghe

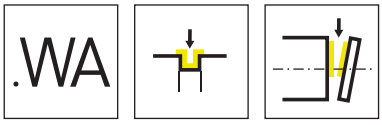
▲ en stock
a stock

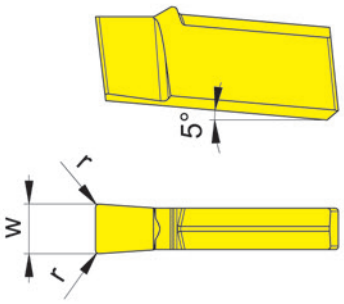
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		AS45	HP65	IG35	IG65	IG6G
S100.0200.3V2	2	0,2	100018		▲	▲	▲	▲	
S100.0250.3V2	2,5	0,2	100028		▲	▲	▲	▲	
S100.0300.3V2	3	0,2	100038		▲	▲	▲	▲	▲
S100.0400.3V3	4	0,3	100048		▲	▲	▲	▲	
				P	●	●	-	●	●
				M	●	●	●	●	o
				K	●	●	-	-	o
				N	o	o	-	-	-
				S	●	●	●	o	-
				H	-	-	-	-	-

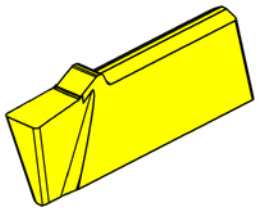
Plaquette de coupe
Inserto

S100









Nuance
Leghe

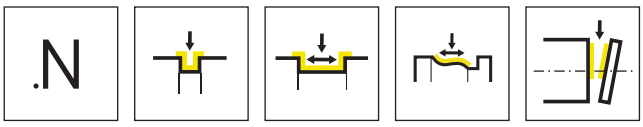
▲ en stock
a stock

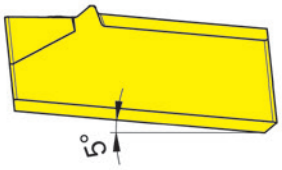
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		K10	DD26
S100.0200.WA2	2	0,2	100018		▲	▲
S100.0300.WA2	3	0,2	100038		▲	▲
				P	●	-
				M	o	-
				K	●	-
				N	●	●
				S	o	o
				H	-	-

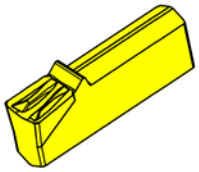
Plaquette de coupe
Inserto

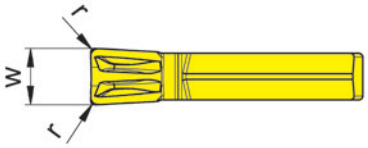
S100











Nuance
Leghe

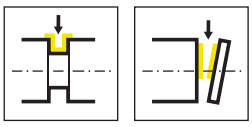
▲ en stock
a stock

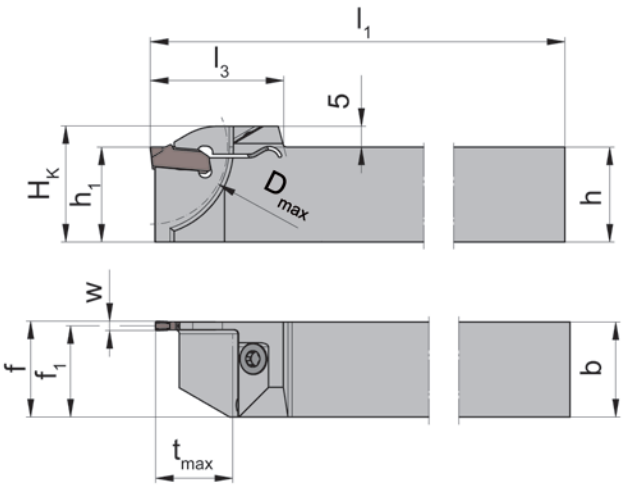
Δ 4 semaines
4 settimane

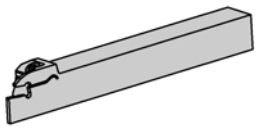
Numéro de commande Codice prodotto	w	r	HIS		AS45	HP65
S100.0300.N2	3	0,2	100038		▲	▲
S100.0400.N3	4	0,3	100048		▲	▲
				P	●	●
				M	●	●
				K	●	●
				N	o	o
				S	●	●
				H	-	-

Porte outils
Portainserto

H101







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	f_1	f	t_{max}	H_K	D_{max}	HWS
RH101.1010.1.12	10	10	125	22,5	10	9,53	f_1+w/2	13	13,5	26	10112
RH101.1212.1.12	12	12	125	22,5	12	11,53	f_1+w/2	13	15,5	26	10112
RH101.1616.1.12	16	16	125	22,5	16	15,53	f_1+w/2	13	19,5	26	10112
RH101.1010.1.16	10	10	125	22,5	10	9,35	f_1+w/2	13	13,5	26	10116
RH101.1212.1.16	12	12	125	22,5	12	11,35	f_1+w/2	13	15,5	26	10116
RH101.1616.1.16	16	16	125	22,5	16	15,35	f_1+w/2	13	19,5	26	10116
LH101.1010.1.12	10	10	125	22,5	10	9,53	f_1+w/2	13	13,5	26	10112
LH101.1212.1.12	12	12	125	22,5	12	11,53	f_1+w/2	13	15,5	26	10112
LH101.1616.1.12	16	16	125	22,5	16	15,53	f_1+w/2	13	19,5	26	10112
LH101.1010.1.16	10	10	125	22,5	10	9,35	f_1+w/2	13	13,5	26	10116
LH101.1212.1.16	12	12	125	22,5	12	11,35	f_1+w/2	13	15,5	26	10116
LH101.1616.1.16	16	16	125	22,5	16	15,35	f_1+w/2	13	19,5	26	10116

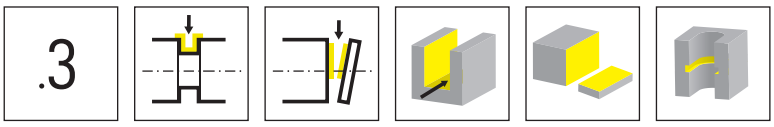
w voir plaquettes
w vd. inserti

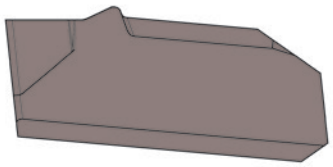
Pièces Détachées
Ricambi

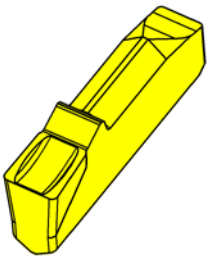
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH101...	**3.5.12T10EP**	**T10PL**

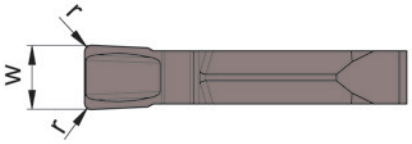
Plaquette de coupe
Inserto

S101









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		AS45	IG35
S101.0120.315	1,2	0,15	10112		▲	▲
S101.0160.315	1,6	0,15	10116		▲	▲
				P	●	-
				M	●	●
				K	●	-
				N	o	-
				S	●	●
				H	-	-

H117



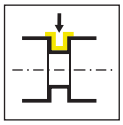
Porte outils et plaquettes

Largeur de forme 10 - 45 mm

Portainserto e inserti

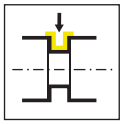
Larghezza della forma 10 - 45 mm

Porte outils
Portainserto
H117

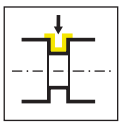


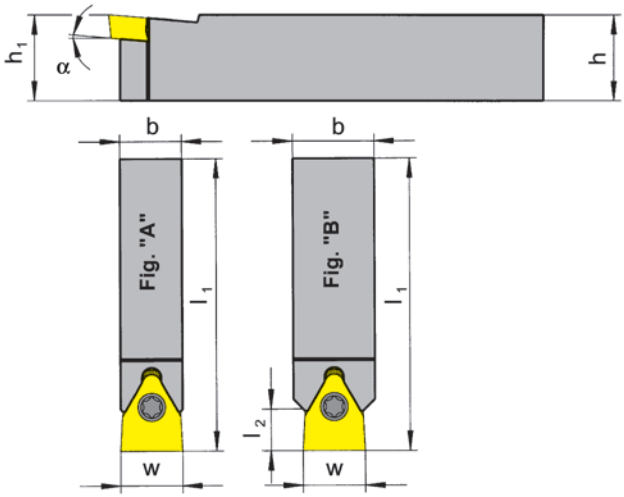
Page/Pag.
79-80, 82, 84, 86-87

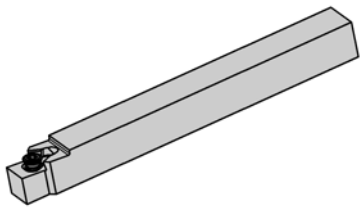
Plaquette de coupe
Inserto
S117



Page/Pag.
81, 83, 85







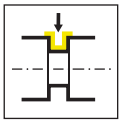
Numéro de commande Codice prodotto	h	b	l_1	h_1	α	Figure Figura	l_2	w	Plaquette de coupe Inserto	HWS
H117.1010.10	10	10	100	10	5°	A	-	10	S117.0010.00	1171005
H117.1212.10	12	12	125	12	5°	B	9	10	S117.0010.00	1171005
H117.1616.10	16	16	125	16	5°	B	9	10	S117.0010.00	1171005
H117.1212.12	12	12	125	12	5°	A	-	12	S117.0012.00	1171205
H117.1414.12	14	14	125	14	5°	B	8	12	S117.0012.00	1171205
H117.1612.12	16	12	125	16	5°	A	-	12	S117.0012.00	1171205
H117.1616.12	16	16	125	16	5°	B	8	12	S117.0012.00	1171205
H117.2020.12	20	20	150	20	5°	B	8	12	S117.0012.00	1171205

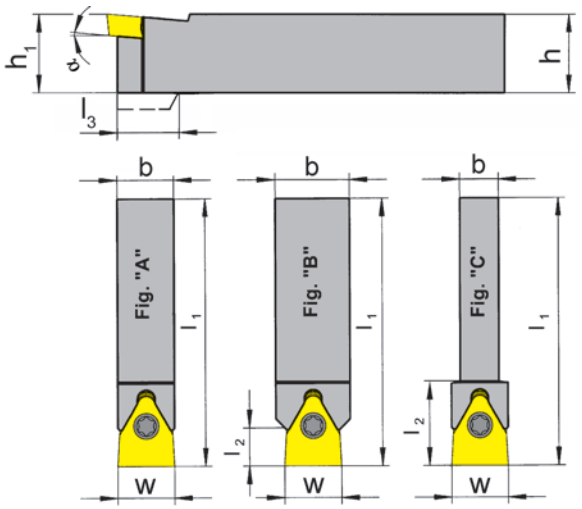
Pièces Détachées
Ricambi

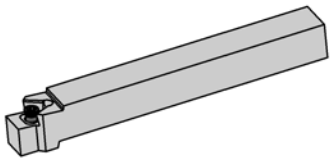
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
H117.1010.10	**030.400P.0227**	**T15PQ**
H117...	**4.09T15P**	**T15PQ**

Porte outils
Portainserto

H117







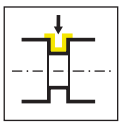
Numéro de commande Codice prodotto	h	b	l_1	h_1	l_3	α	Figure Figura	l_2	w	Plaquette de coupe Inserto	HWS
H117.1414.16	14	14	125	14	18	5°	C	22	16	S117.0014/16.00	1171605
H117.1616.16	16	16	125	16	-	5°	A / B	11	16	S117.0014/16.00	1171605
H117.2020.16	20	20	150	20	-	5°	B	11	16	S117.0014/16.00	1171605
H117.2525.16	25	25	150	25	-	5°	B	8,5	16	S117.0014/16.00	1171605
H117.1616.20	16	16	125	16	23	5°	C	30	20	S117.0018/20.00	1172005
H117.2020.20	20	20	150	20	-	5°	A / B	15	20	S117.0018/20.00	1172005
H117.2525.20	25	25	150	25	-	5°	B	15	20	S117.0018/20.00	1172005
H117.2020.26	20	20	150	20	-	5°	C	30	26	S117.0026.00	1172605
H117.2525.26	25	25	150	25	-	5°	A	-	26	S117.0026.00	1172605

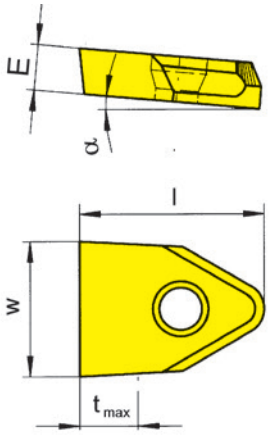
Pièces Détachées
Ricambi

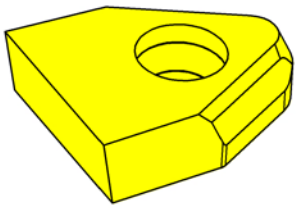
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
H117...16	**5.12T20P**	**T20PQ**
H117...	**6.17T20P**	**T20PQ**

Plaquette de coupe
Inserto

S117







Nuance
Leghe

▲ en stock
a stock

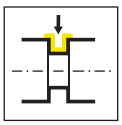
Δ 4 semaines
4 settimane

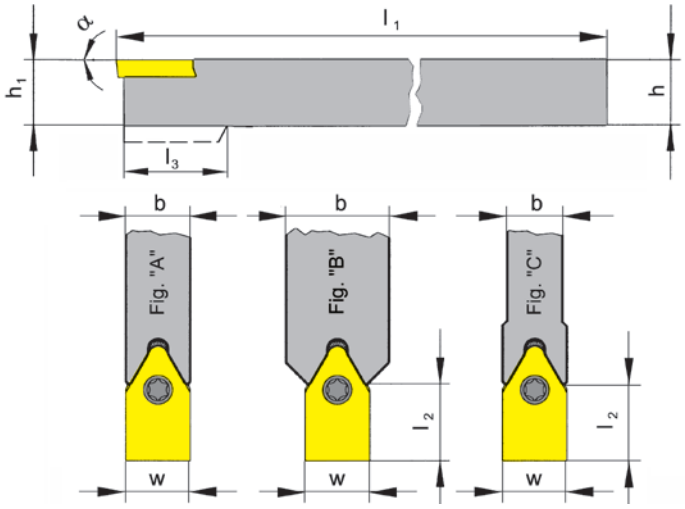
Numéro de commande Codice prodotto	w	E	t_{max}	l	α	Porte outils Portainserto	HIS	MG12
S117.0010.00	10	3	3,5	16	5°	H117...10	1171005	▲
S117.0014.00	14	6	6	21	5°	H117...16	1171605	▲
S117.0016.00	16	6	6	21	5°	H117...16	1171605	▲
S117.0018.00	18	7	9	29	5°	H117...20	1172005	▲
S117.0020.00	20	7	9	29	5°	H117...20	1172005	▲
S117.0026.00	26	7	10	32	5°	H117...26	1172605	▲

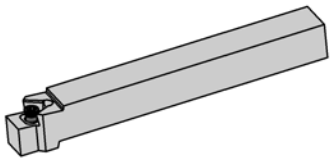
P	o
M	-
K	-
N	-
S	-
H	-

Porte outils
Portainserto

H117







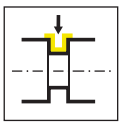
Numéro de commande Codice prodotto	h	b	l_1	h_1	l_3	α	Figure Figura	l_2	w	Plaquette de coupe Inserto	HWS
H117.1010.02.10	10	10	100	10	-	0°	A	-	10	S117.0010.02.00	1171000
H117.1212.02.10	12	12	125	12	-	0°	B	12	10	S117.0010.02.00	1171000
H117.1616.02.10	16	16	125	16	-	0°	B	12	10	S117.0010.02.00	1171000
H117.1212.02.12	12	12	125	12	-	0°	A	-	12	S117.0012.02.00	1171200
H117.1616.02.12	16	16	125	16	-	0°	B	11	12	S117.0012.02.00	1171200
H117.2020.02.12	20	20	150	20	-	0°	B	11	12	S117.0012.02.00	1171200
H117.1616.02.16	16	16	125	16	-	0°	A	-	16	S117.0016.02.00	1171600
H117.2020.02.16	20	20	150	20	-	0°	B	14	16	S117.0016.02.00	1171600
H117.1616.02.20	16	16	125	16	26	0°	C	33	20	S117.0020.02.00	1172000
H117.2020.02.20	20	20	150	20	-	0°	A	-	20	S117.0020.02.00	1172000
H117.2525.02.20	25	25	150	25	-	0°	B	19	20	S117.0020.02.00	1172000
H117.2020.02.26	20	20	150	20	-	0°	C	33	26	S117.0026.02.00	117MD07
H117.2525.02.26	25	25	150	25	-	0°	A	-	26	S117.0026.02.00	117MD07

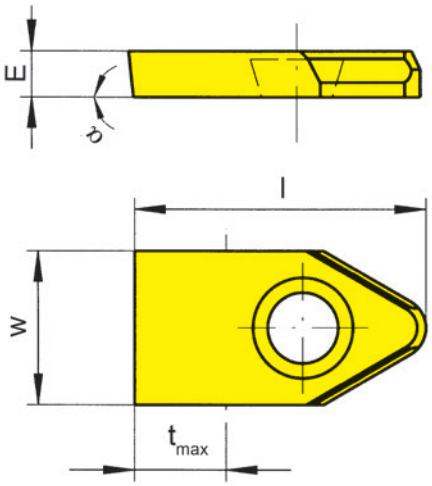
Pièces Détachées
Ricambi

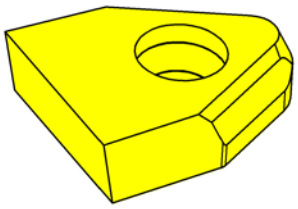
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
H117...10/12	**4.09T15P**	**T15PQ**
H117...16	**5.12T20P**	**T20PQ**
H117...20/26	**6.17T20P**	**T20PQ**

Plaquette de coupe
Inserto

S117







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	E	t_{max}	l	α	Porte outils Portainserto	HIS	MG12
S117.0010.02.00	10	3	6,5	19	0°	H117...02.10	1171000	▲
S117.0012.02.00	12	4,5	7,5	20	0°	H117...02.12	1171200	▲
S117.0016.02.00	16	6	9	24	0°	H117...02.16	1171600	▲
S117.0020.02.00	20	7	12	32	0°	H117...02.20	1172000	▲
S117.0026.02.00	26	7	13	35	0°	H117...02.26	117MD07	▲

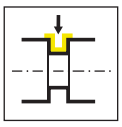
P	o
M	-
K	-
N	-
S	-
H	-

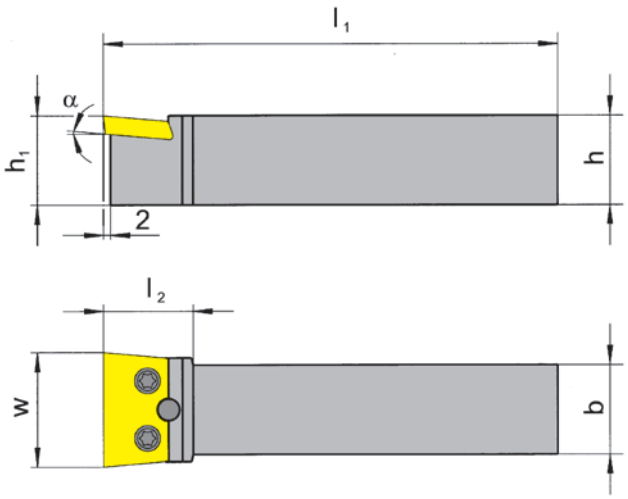
Exemples des profils sur demand
Inserti profilati sono fornibili su richista

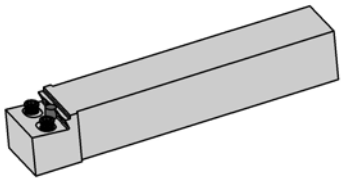


Porte outils
Portainserto

H117







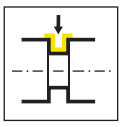
Numéro de commande Codice prodotto	h	b	l_1	h_1	α	l_2	w	Plaquette de coupe Inserto	HWS
H117.2020.32	20	20	150	20	5°	25	32	S117.0032.00	1173205
H117.2525.32	25	25	150	25	5°	25	32	S117.0032.00	1173205
H117.2525.45	25	25	150	25	5°	27	45	S117.0045.00	1174505
H117.3232.45	32	32	170	32	5°	27	45	S117.0045.00	1174505

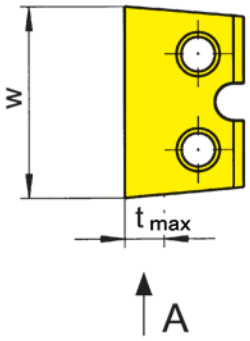
Pièces Détachées
Ricambi

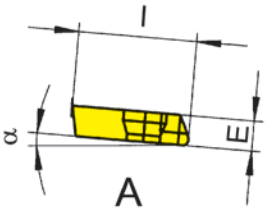
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
H117...	**5.12T20P**	**T20PQ**

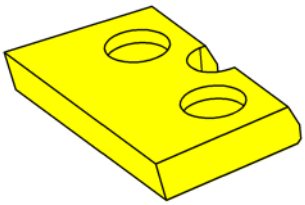
Plaquette de coupe
Inserto

S117









Nuance
Leghe

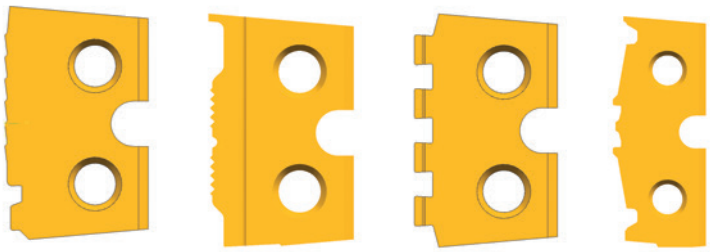
▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	E	t_{max}	l	α	Porte outils Portainserto	HIS	MG12
S117.0032.00	32	5	6,5	19,7	5°	H117...32	1173205	▲
S117.0045.00	45	5	6,5	19,7	5°	H117...45	1174505	▲

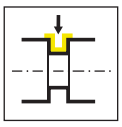
P	o
M	-
K	-
N	-
S	-
H	-

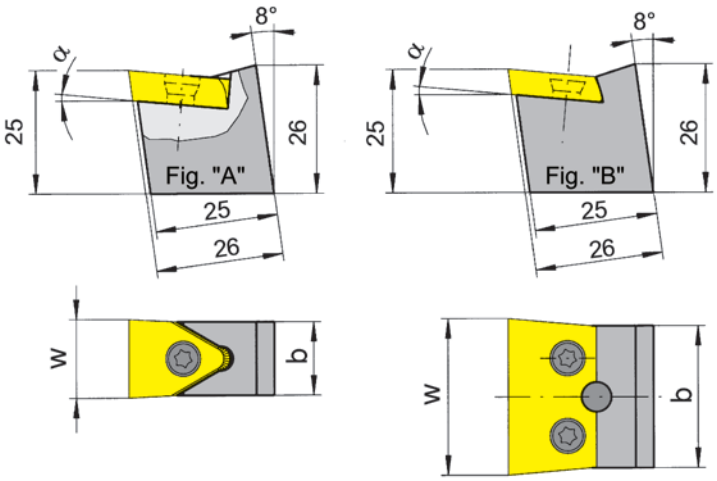
Exemples des profils sur demand
Inserti profilati sono fornibili su richista



Porte outils
Portainserto

H117



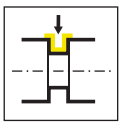




Numéro de commande Codice prodotto	b	α	Figure Figura	w	Plaquette de coupe Inserto	HWS	HMS
H117.PWP.10	10	5°	A	10	S117.0010.00	1171005	PWP
H117.PWP.12	12	5°	A	12	S117.0012.00	1171205	PWP
H117.PWP.16	16	5°	A	16	S117.0014/16.00	1171605	PWP
H117.PWP.32	28	5°	B	32	S117.0032.00	1173205	PWP
H117.PWP.45	42	5°	B	45	S117.0045.00	1174505	PWP

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
H117.PWP.10	**4.09T15P**	**T15PL**
H117.PWP.12	**4.09T15P**	**T15PQ**
H117.PWP...	**5.12T20P**	**T20PQ**



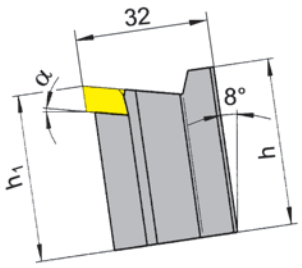


Fig. "A"

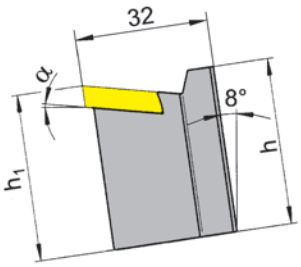
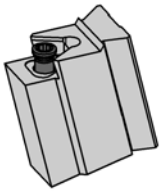
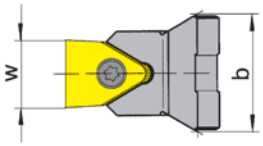
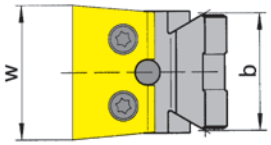


Fig. "B"







Numéro de commande Codice prodotto	h	b	l_1	h_1	t_{max}	α	Figure Figura	w	Plaquette de coupe Inserto	HWS	HMS
H117.AW20.10	36	20	32	40	3,5	5°	A	10	S117.0010.00	1171005	AWN
H117.AW28.10	36	28	32	40	3,5	5°	A	10	S117.0010.00	1171205	AWN
H117.AW20.12	36	20	32	40	4,5	5°	A	12	S117.0012.00	1171205	AWN
H117.AW28.12	36	28	32	40	4,5	5°	A	12	S117.0012.00	1171205	AWN
H117.AW20.16	36	20	32	40	6,5	5°	A	16	S117.0014/16.00	1171605	AWN
H117.AW28.16	36	28	32	40	6,5	5°	A	16	S117.0014/16.00	1171605	AWN
H117.AW28.20	36	28	32	40	9	5°	A	20	S117.0018/20.00	1172005	AWN
H117.AW28.26	36	28	35	40	10	5°	A	26	S117.0026.00	1172605	AWN
H117.AW28.32	36	28	32	40	6,5	5°	B	32	S117.0032.00	1173205	AWN
H117.AW40.45	46	40	32	50	6,5	5°	B	45	S117.0045.00	1174505	AWN

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
H117.AW2...10/12	**4.09T15P**	**T15PQ**
H117.AW...16/32/45	**5.12T20P**	**T20PQ**
H117.AW28.20/26	**6.17T20P**	**T20PQ**

Des délais de livraison plus rapides pour le système S117

HORN offre désormais la possibilité de livrer des modèles spéciaux des plaquettes dans un délai de cinq jours ouvrables, en particulier pour les Système de rainurage S117. HORN a une fois de plus optimisé son système Greenline existant, de sorte que l'utilisateur dispose non seulement de la plaquette profilée mais aussi du porte-outil approprié dans un délai court. Il garantit une prise en charge sûre par le porte-outil des profils de plaquettes, même les plus complexes. Avec le Greenline après que le client ait soumis une demande de renseignements avec le dessin des composants, une offre avec le Le plan de plaquette et du porte-outil est fourni dans un délai de deux jours ouvrables.

Après avoir passé la commande, le client reçoit le plan pour approbation dans les 48 heures. Après approbation, HORN livre les outils spéciaux dans un délai de cinq jours ouvrables. Le système Greenline est disponible pour des plaquettes en quantités de 3 à 20 pièces et pour 1 à 2 porte-outils.

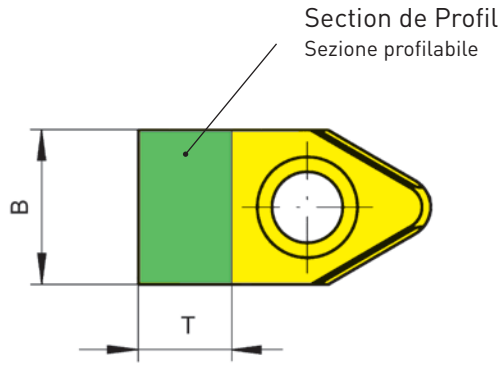
HORN propose des outils d'une largeur de 10 mm, 12 mm, 16 mm, 20 mm, 26 mm, 32 mm et 45 mm, qui sont rectifiés avec précision pour obtenir la forme spéciale requise pour l'application. La profondeur maximale de la forme dépend de la largeur de coupe. Le revêtement de l'outil est spécialement sélectionné pour chaque application et est disponible pour les groupes de matériaux P, M, K et N. Les corps d'outils à section carrée sont disponibles dans des dimensions standard allant de 10 x 10 mm jusqu'à 32 x 32 mm.

Tempi di consegna più rapidi per il sistema S117

La Horn offre la possibilità di ricevere inserti speciali del sistema S117 per gole in sagoma in una settimana lavorativa. A questo scopo, i processi industriali sono stati ulteriormente ottimizzati per consentire una consegna ultra-rapida (la Green Line Horn). Oltre a ciò è stato anche migliorato il servizio inerente la produzione del portainserto speciale, dove horn ha velocizzato la consegna.Con il sistema GreenLine, se il cliente consegna il disegno del pezzo da tornire, siamo in grado di generare un'offerta economica in un paio di giorni. Se segue ordine commerciale, entro un altro paio di giorni, il disegno costruttivo dell'utensile viene generato. A questo punto parte la settimana di produzione degli utensili. Il Sistema Greenline consente di ordinare da 2 a 20 inserti e 1 o 2 portainserti

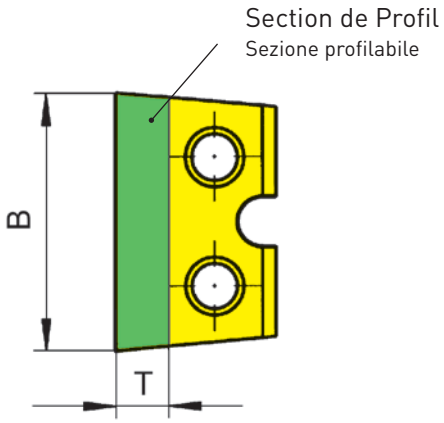
Il range Horn S117 consente di profilare inserti con larghezze di 10, 12, 16, 20, 26, 32 e 45 mm, sui quali sviluppare il profilo richiesto con la geometria di taglio più idonea. La massima profondità di lavorazione dipende dal pezzo da lavorare. Il rivestimento è scelto in base al materiale da lavorare, nella fattispece, per i gruppi P, M,K e N. Il quadro dello stelo-utensile è disponibile da quadro 10x10 fino a 32x32.

Plaquette avec une vis de serrage
Inserto con una vite di serraggio



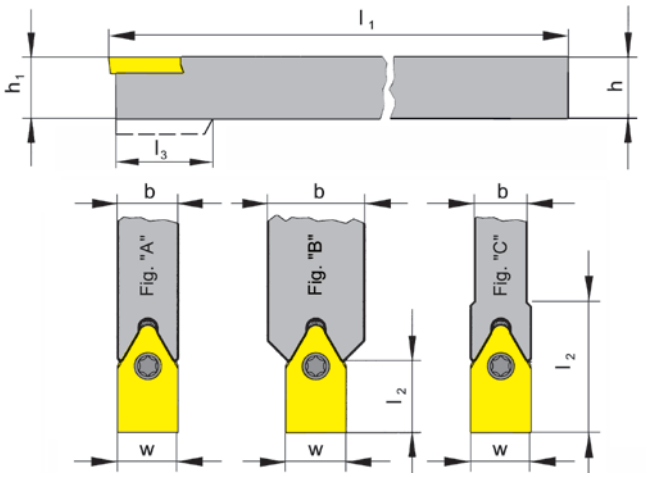
Largeur de coupe B Larghezza di taglio B	Profondeur de coupe T Profondità di Taglio T (T-max)	Plaquette Inserto
≤ 9,7	3,50	S117.0010.00
≤ 9,7	6,50	S117.0010.02.00
≤ 11,2	4,50	S117.0012.00
≤ 11,2	7,50	S117.0012.02.00
≤ 13,7	6,00	S117.0014.00
≤ 15,1	6,00	S117.0016.00
≤ 15,1	9,00	S117.0016.02.00
≤ 17,8	9,00	S117.0018.00
≤ 19,8	9,00	S117.0020.00
≤ 19,8	12,00	S117.0020.02.00
≤ 24,7	10,00	S117.0026.00
≤ 24,7	13,00	S117.0026.02.00

Plaquette avec deux vis de serrage
Inserto a doppia vite di serraggio



Largeur de coupe B Larghezza di taglio B	**Profondeur de coupe T** Profondità di Taglio T (T-max)	**Plaquette** Inserto
≤ 30,2	6,50	S117.0032.00
≤ 43,3	6,50	S117.0045.00

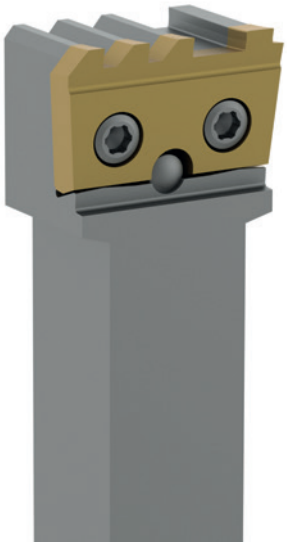
Sélection du porte-outil
Selezione del portainserto

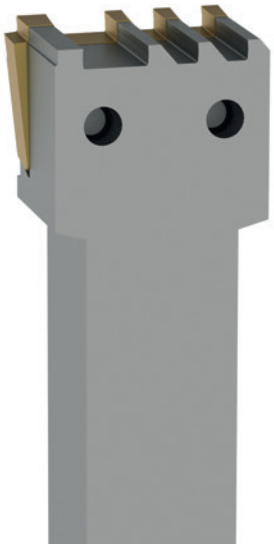


Plaquette Inserto	h	b	l_1	Figure Figura	l_2	Porte-outil spécial similaire à Portainserto speciale simile a
S117.0010.00	10,00	10,00	100	A	-	H117.1010.10
	12,00	12,00	125	B	9	H117.1212.10
	16,00	16,00	125	B	9	H117.1616.10
S117.0010.02.00	10,00	10,00	100	A	-	H117.1010.02.10
	12,00	12,00	125	B	12	H117.1212.02.10
	16,00	16,00	125	B	12	H117.1616.02.10
S117.0012.00	12,00	12,00	125	A	-	H117.1212.12
	14,00	14,00	125	B	8	H117.1414.12
	16,00	12,00	125	A	-	H117.1612.12
	16,00	16,00	125	B	8	H117.1616.12
	20,00	20,00	150	B	8	H117.2020.12
S117.0012.02.00	12,00	12,00	125	A	-	H117.1212.02.12
	16,00	16,00	125	B	11	H117.1616.02.12
	20,00	20,00	150	B	11	H117.2020.02.12
S117.0014.00 **S117.0016.00**	14,00	14,00	125	C	22	H117.1414.16
	16,00	16,00	125	A / B	11	H117.1616.16
	20,00	20,00	150	B	11	H117.2020.16
	25,00	25,00	150	B	8,5	H117.2525.16
S117.0016.02.00	16,00	16,00	125	A	-	H117.1616.02.16
	20,00	20,00	150	B	14	H117.2020.02.16
S117.0018.00 **S117.0020.00**	16,00	16,00	125	C	30	H117.1616.20
	20,00	20,00	150	A / B	15	H117.2020.20
	25,00	25,00	150	B	15	H117.2525.20
S117.0020.02.00	16,00	16,00	125	C	33	H117.1616.02.20
	20,00	20,00	150	A	-	H117.2020.02.20
	25,00	25,00	150	B	19	H117.2525.02.20
S117.0026.00	20,00	20,00	150	C	30	H117.2020.26
	25,00	25,00	150	A	-	H117.2525.26
S117.0026.02.00	20,00	20,00	150	C	33	H117.2020.02.26
	25,00	25,00	150	A	-	H117.2525.02.26
S117.0032.00	20,00	20,00	150	C	25	H117.2020.32
	25,00	25,00	150	C	25	H117.2525.32
S117.0045.00	25,00	25,00	150	C	27	H117.2525.45
	32,00	32,00	170	C	27	H117.3232.45

Une grande stabilité permet un support optimisé de la plaquette.

Massima Stabilità grazie a un supporto ottimizzato del portainserto





Veuillez noter:

• le plus petit rayon intérieur possible	0,05 mm
• le plus petit rayon extérieur possible	0,04 mm
• la plus petite tolérance angulaire possible forme	± 10'
• la plus petite tolérance dimensionnelle possible	± 0,005 mm
• la plus petite tolérance de forme possible	0,01 mm

Attenzione:

• raggio femmina minore realizzabile	0,05 mm
• raggio esterno minore realizzabile	0,04 mm
• tolleranza angolare minore	± 10'
• tolleranza dimensionale minore realizzabile	± 0,005 mm
• tolleranza di forma minore realizzabile	0,01 mm

Tous les plaquettes sont disponibles avec un revêtement.

Tutti gli inserti sono disponibili nudi e rivestiti.

Groupe principal d'usinage Gruppo di lavorazione principale	**P**	EG35/EG55
Groupe principal d'usinage Gruppo di lavorazione principale	**M**	EG35/EG55
Groupe principal d'usinage Gruppo di lavorazione principale	**K**	EG36/EG56
Groupe principal d'usinage Gruppo di lavorazione principale	**N**	MG12
Groupe principal d'usinage Gruppo di lavorazione principale	**S**	EG35

C

223



Porte outils et plaquettes

Largeur de gorge 1,1 - 3 mm

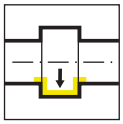
Portainserto e inserti

Larghezza della gola 1,1 - 3 mm

C

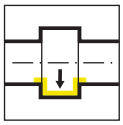
Géométries et avances
Geometrie e avanzamenti
Page/Pag. 95

Base de support
Attacco Base
B223



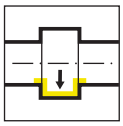
Page/Pag. 96

Cassette
Cartuccia
BK223

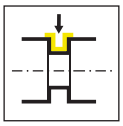


Page/Pag. 97

Porte outils
Portainserto
B223/H223

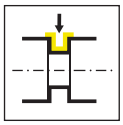


Page/Pag. 98-101



Page/Pag. 102

Cartouche
Cartuccia
E223



Page/Pag. 103

Plaquette amovible
Inserto
S223



Page/Pag. 104



Page/Pag. 105



Page/Pag. 106

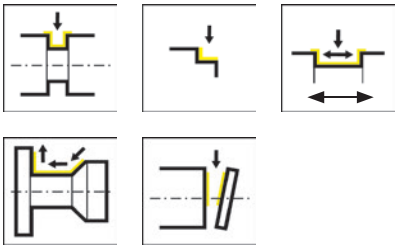
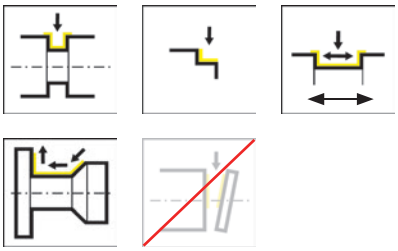
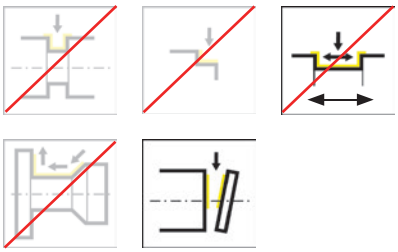
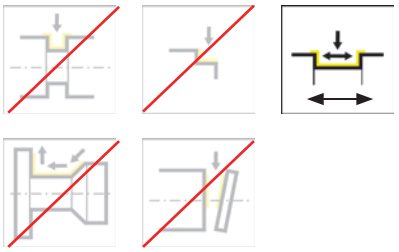


Page/Pag. 107-108



Page/Pag. 109

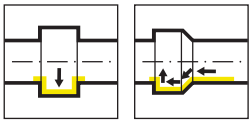
Géométries et avances
Geometrie e avanzamenti

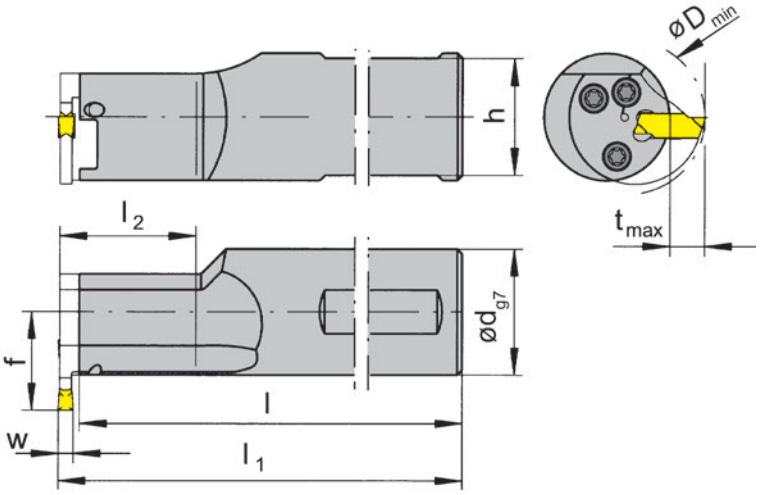
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.3	P M K N S H	↓ 0,15-0,25 ↔ 0,15-0,40	
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
.C	P M K N S H	↓ 0,02-0,10	
.NC	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	

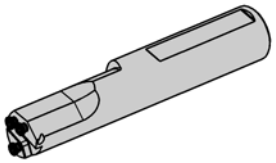
Base de support
Attacco Base

B223

C







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

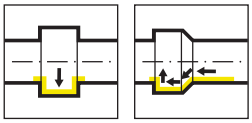
Numéro de commande Codice prodotto	l_1	d	l	l_2	h	f	HWS
RB223.0025.1.K2	$l+b_1+w/2$	25	116,1	30	23	19,5	BK2231
RB223.0025.2.K2	$l+b_1+w/2$	25	146,1	60	23	19,5	BK2231
RB223.0032.1.K2	$l+b_1+w/2$	32	146,1	30	30	23	BK2231
RB223.0032.2.K2	$l+b_1+w/2$	32	176,1	60	30	23	BK2231
LB223.0025.1.K2	$l+b_1+w/2$	25	116,1	30	23	19,5	BK2232
LB223.0025.2.K2	$l+b_1+w/2$	25	146,1	60	23	19,5	BK2232
LB223.0032.1.K2	$l+b_1+w/2$	32	146,1	30	30	23	BK2232
LB223.0032.2.K2	$l+b_1+w/2$	32	176,1	60	30	23	BK2232

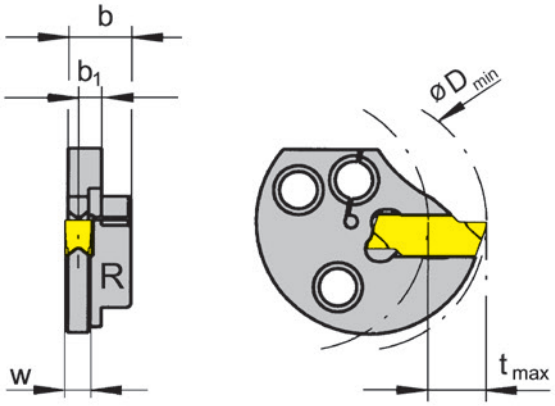
w voir plaquettes amovibles
w vd. inserti

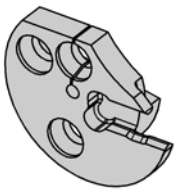
Dimensions pour Dmin, tmax et b1 voir cassettes
Per le dimensioni Dmin, tmax e b1 vd. sezione cartucce

Pièces Détachées
Ricambi

Base de support Attacco Base	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB223...	**4.09T15P**	**T15PL**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	D_{min}	t_{max}	b	b_1	HWS	HMS
RBK223.0028.01	28	6,3	7,4	3,1	22301	BK2231
RBK223.0028.02	28	6,3	7,4	2,95	22302	BK2231
RBK223.0028.03	28	6,3	7,4	2,7	22303	BK2231
LBK223.0028.01	28	6,3	7,4	3,1	22301	BK2232
LBK223.0028.02	28	6,3	7,4	2,95	22302	BK2232
LBK223.0028.03	28	6,3	7,4	2,7	22303	BK2232

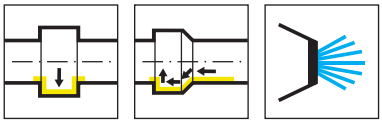
w voir plaquettes amovibles
w vd. inserti

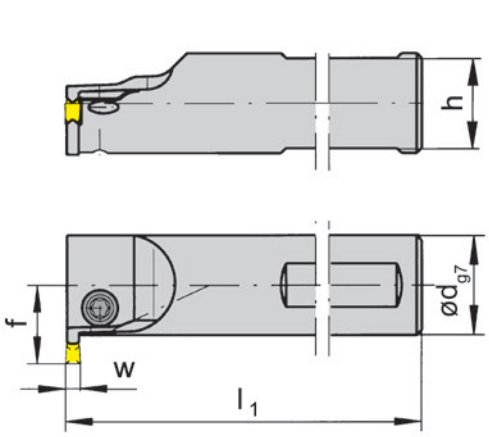
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

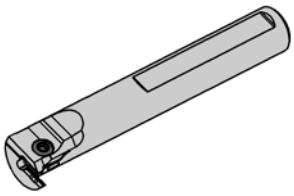
Porte outils
Portainserto

B223

C







R = version à droite représentée
R = versione destra come in figura

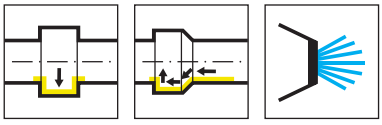
L = version à gauche
L = versione sinistra a specchio

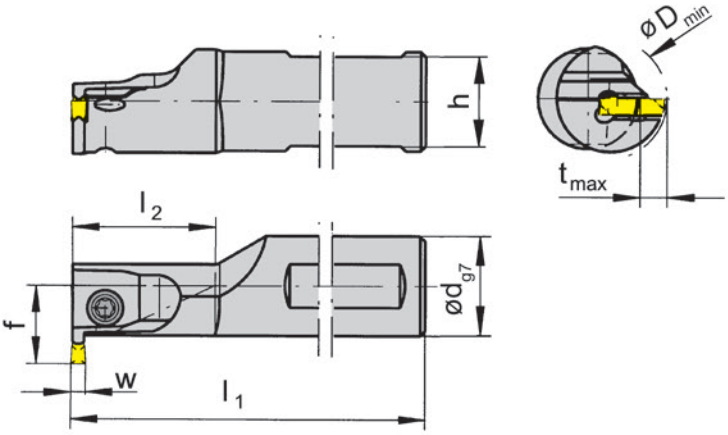
Numéro de commande Codice prodotto	d	l_1	h	f	t_{max}	D_{min}	HWS
RB223.0016.0.42	16	110	14	13	4,5	22	22302
RB223.0016.0.43	16	110	14	13	4,5	22	22303
RB223.0020.0.52	20	120	18	15,7	5,3	27	22302
RB223.0020.0.53	20	120	18	15,7	5,3	27	22303
RB223.0025.0.62	25	150	23	19,3	6,3	33	22302
RB223.0025.0.63	25	150	23	19,3	6,3	33	22303
LB223.0016.0.42	16	110	14	13	4,5	22	22302
LB223.0016.0.43	16	110	14	13	4,5	22	22303
LB223.0020.0.52	20	120	18	15,7	5,3	27	22302
LB223.0020.0.53	20	120	18	15,7	5,3	27	22303
LB223.0025.0.62	25	150	23	19,3	6,3	33	22302
LB223.0025.0.63	25	150	23	19,3	6,3	33	22303

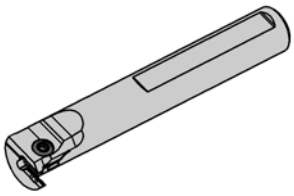
w voir plaquettes amovibles
w vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB223...	**5.11T15P**	**T15PL**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB223.0016.1.42	16	110	25	14	13	4,5	18	22302
RB223.0016.1.43	16	110	25	14	13	4,5	18	22303
RB223.0020.1.52	20	120	30	18	15,7	5,3	20	22302
RB223.0020.1.53	20	120	30	18	15,7	5,3	20	22303
RB223.0025.1.62	25	150	50	23	18,8	6,3	25	22302
RB223.0025.1.63	25	150	50	23	18,8	6,3	25	22303
LB223.0016.1.42	16	110	25	14	13	4,5	18	22302
LB223.0016.1.43	16	110	25	14	13	4,5	18	22303
LB223.0020.1.52	20	120	30	18	15,7	5,3	20	22302
LB223.0020.1.53	20	120	30	18	15,7	5,3	20	22303
LB223.0025.1.62	25	150	50	23	18,8	6,3	25	22302
LB223.0025.1.63	25	150	50	23	18,8	6,3	25	22303

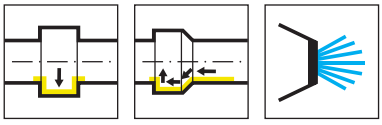
w voir plaquettes amovibles
w vd. inserti

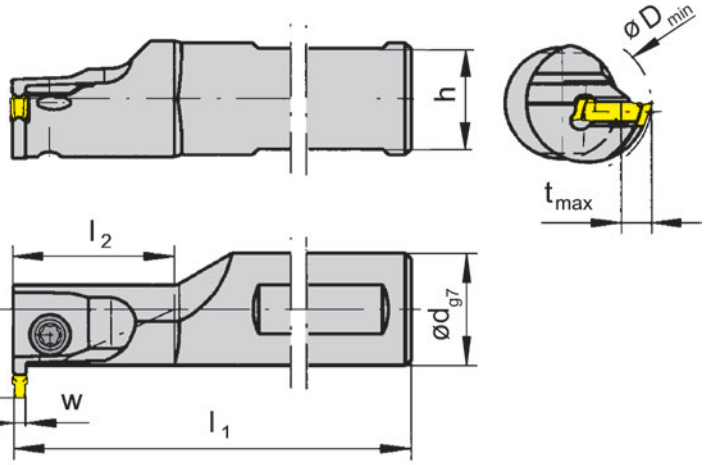
Pièces Détachées
Ricambi

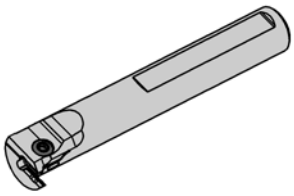
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB223...	**5.11T15P**	**T15PL**

Porte outils
Portainserto

B223







R = version à droite représentée
R = versione destra come in figura

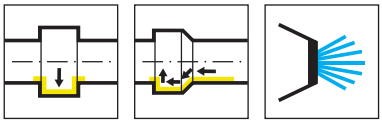
L = version à gauche
L = versione sinistra a specchio

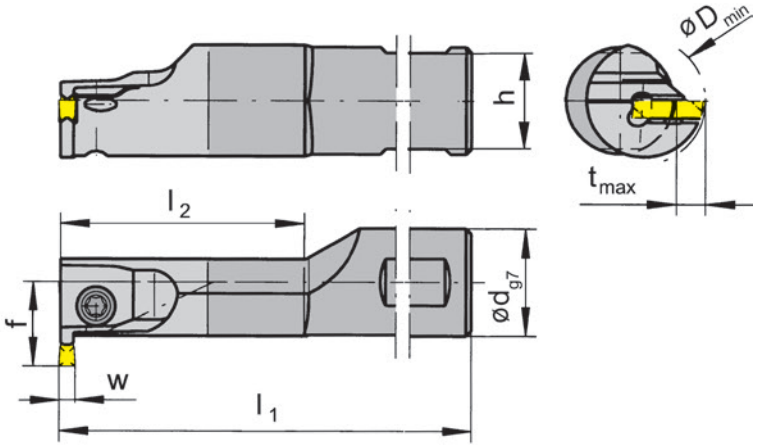
Numéro de commande Codice prodotto	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB223.0016.1.22	16	110	25	14	13	1,65	18	22302
RB223.0020.1.22	20	120	30	18	15,7	1,65	20	22302
LB223.0016.1.22	16	110	25	14	13	1,65	18	22302
LB223.0020.1.22	20	120	30	18	15,7	1,65	20	22302

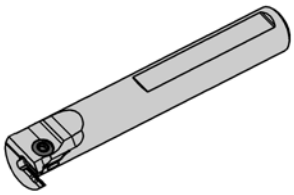
w voir plaquettes amovibles
w vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB223...	**5.11T15P**	**T15PL**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB223.HM16.2.42	16	130	50	14	13	4,5	18	22302
RB223.HM16.2.43	16	130	50	14	13	4,5	18	22303
RB223.HM20.2.52	20	150	60	18	15,7	5,3	20	22302
RB223.HM20.2.53	20	150	60	18	15,7	5,3	20	22303
RB223.HM25.2.62	25	160	70	23	18,8	6,3	25	22302
RB223.HM25.2.63	25	160	70	23	18,8	6,3	25	22303
LB223.HM16.2.42	16	130	50	14	13	4,5	18	22302
LB223.HM16.2.43	16	130	50	14	13	4,5	18	22303
LB223.HM20.2.52	20	150	60	18	15,7	5,3	20	22302
LB223.HM20.2.53	20	150	60	18	15,7	5,3	20	22303
LB223.HM25.2.62	25	160	70	23	18,8	6,3	25	22302
LB223.HM25.2.63	25	160	70	23	18,8	6,3	25	22303

w voir plaquettes amovibles
w vd. inserti

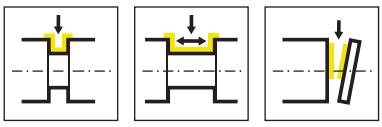
Corps carbure
Gambo in metallo duro

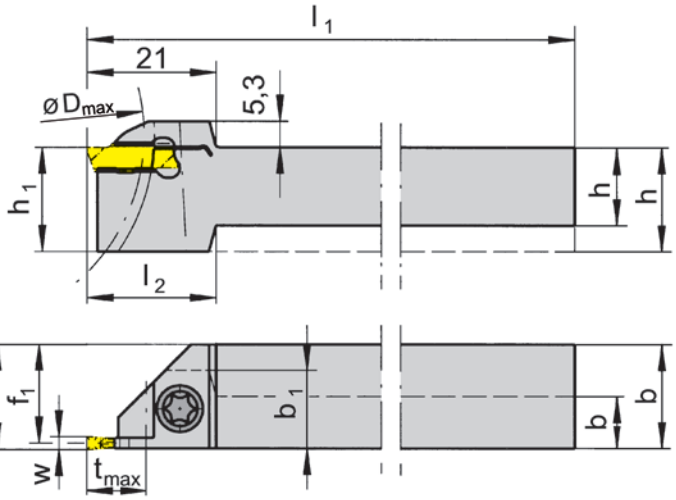
Pièces Détachées
Ricambi

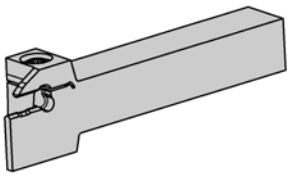
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB223...	**5.11T15P**	**T15PL**

Porte outils
Portainserto

H223







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	b_1	f_1	f	t_{max}	D_{max}	HWS
RH223.1010.01	10	10	80	20	12	12	9,2	f_1+w/2	8	25	22301
RH223.1010.03	10	10	80	20	12	12	8,8	f_1+w/2	8	25	22303
RH223.1212.01	12	12	100	21	16	-	11,2	f_1+w/2	10	50	22301
RH223.1212.02	12	12	100	21	16	-	11,05	f_1+w/2	10	50	22302
RH223.1212.03	12	12	100	21	16	-	10,8	f_1+w/2	10	50	22303
RH223.1616.01	16	16	125	-	16	-	15,2	f_1+w/2	10	50	22301
RH223.1616.02	16	16	125	-	16	-	15,05	f_1+w/2	10	50	22302
RH223.1616.03	16	16	125	-	16	-	14,8	f_1+w/2	10	50	22303
RH223.2020.01	20	20	125	-	20	-	19,2	f_1+w/2	10	50	22301
RH223.2020.02	20	20	125	-	20	-	19,05	f_1+w/2	10	50	22302
RH223.2020.03	20	20	125	-	20	-	18,8	f_1+w/2	10	50	22303
RH223.2525.01	25	25	150	-	25	-	24,2	f_1+w/2	10	50	22301
RH223.2525.02	25	25	150	-	25	-	24,05	f_1+w/2	10	50	22302
RH223.2525.03	25	25	150	-	25	-	23,8	f_1+w/2	10	50	22303
LH223.1010.01	10	10	80	20	12	12	9,2	f_1+w/2	8	25	22301
LH223.1010.02	10	10	80	20	12	12	9,05	f_1+w/2	8	25	22302
LH223.1010.03	10	10	80	20	12	12	8,8	f_1+w/2	8	25	22303
LH223.1212.01	12	12	100	21	16	-	11,2	f_1+w/2	10	50	22301
LH223.1212.02	12	12	100	21	16	-	11,05	f_1+w/2	10	50	22302
LH223.1212.03	12	12	100	21	16	-	10,8	f_1+w/2	10	50	22303
LH223.1616.01	16	16	125	-	16	-	15,2	f_1+w/2	10	50	22301
LH223.1616.02	16	16	125	-	16	-	15,05	f_1+w/2	10	50	22302
LH223.1616.03	16	16	125	-	16	-	14,8	f_1+w/2	10	50	22303
LH223.2020.01	20	20	125	-	20	-	19,2	f_1+w/2	10	50	22301
LH223.2020.02	20	20	125	-	20	-	19,05	f_1+w/2	10	50	22302
LH223.2020.03	20	20	125	-	20	-	18,8	f_1+w/2	10	50	22303
LH223.2525.01	25	25	150	-	25	-	24,2	f_1+w/2	10	50	22301
LH223.2525.02	25	25	150	-	25	-	24,05	f_1+w/2	10	50	22302
LH223.2525.03	25	25	150	-	25	-	23,8	f_1+w/2	10	50	22303

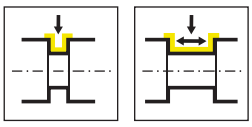
Pièces Détachées
Ricambi

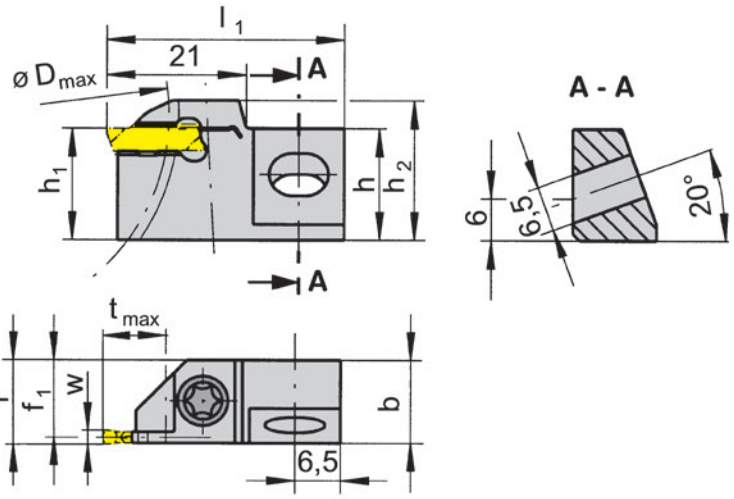
w voir plaquettes amovibles
w vd. inserti

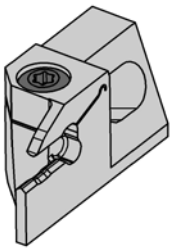
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH223...	**5.11T15P**	**T15PL**

Cartouche
Cartuccia

E223







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	f	t_{max}	D_{max}	h_2
RE223.1212.01	16	12	34	12	11,2	f_1+w/2	10	50	17,3
RE223.1212.02	16	12	34	12	11,05	f_1+w/2	10	50	17,3
RE223.1212.03	16	12	34	12	10,8	f_1+w/2	10	50	17,3
RE223.1616.01	16	12	34	16	11,2	f_1+w/2	10	50	21,3
RE223.1616.02	16	12	34	16	11,05	f_1+w/2	10	50	21,3
RE223.1616.03	16	12	34	16	10,8	f_1+w/2	10	50	21,3
LE223.1212.01	16	12	34	12	11,2	f_1+w/2	10	50	17,3
LE223.1212.02	16	12	34	12	11,05	f_1+w/2	10	50	17,3
LE223.1212.03	16	12	34	12	10,8	f_1+w/2	10	50	17,3
LE223.1616.01	16	12	34	16	11,2	f_1+w/2	10	50	21,3
LE223.1616.02	16	12	34	16	11,05	f_1+w/2	10	50	21,3
LE223.1616.03	16	12	34	16	10,8	f_1+w/2	10	50	21,3

w voir plaquettes amovibles
w vd. inserti

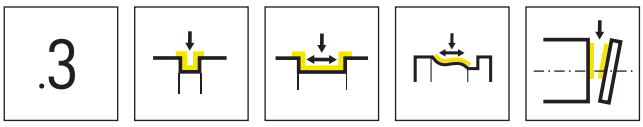
Pièces Détachées
Ricambi

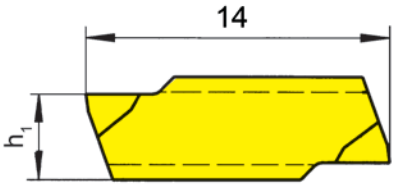
Cartouche Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LE223...	**5.11T15P**	**T15PL**

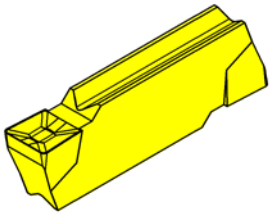
Plaquette amovible
Inserto

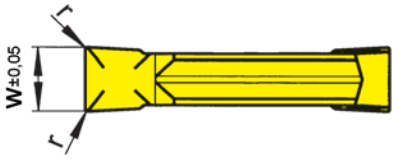
S223

C









Nuance
Leghe

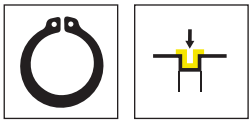
▲ en stock
a stock

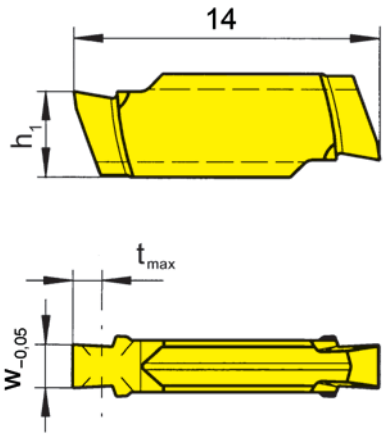
Δ 4 semaines
4 settimane

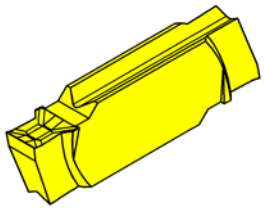
Numéro de commande Codice prodotto	w	r	h_1	HIS		EG55	H54	TI25	TN35
S223.0200.32	2	0,2	3,65	22301		▲	▲	▲	▲
S223.0250.32	2,5	0,2	3,75	22302		▲	▲	▲	▲
S223.0300.32	3	0,2	3,95	22303		▲	▲	▲	▲
					P	●	●	●	●
					M	o	●	●	●
					K	o	-	●	●
					N	-	-	●	●
					S	-	-	●	●
					H	-	-	-	-

Plaquette amovible
Inserto

S223







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	Nw	t_{max}	h_1	HIS	TN35
S223.0110.32	1,24	1,1	0,6	3,75	22302	▲
S223.0130.32	1,44	1,3	1,1	3,75	22302	▲
S223.0160.32	1,74	1,6	1,15	3,75	22302	▲
S223.0185.32	1,99	1,85	1,4	3,75	22302	▲
S223.0215.32	2,29	2,15	1,65	3,75	22302	▲

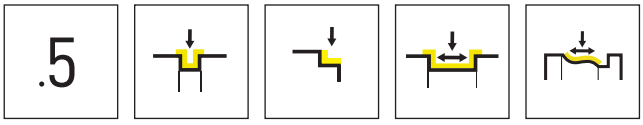
Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472

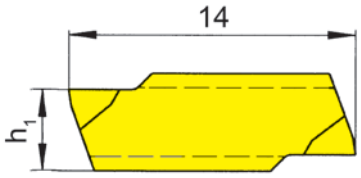
P	●
M	●
K	●
N	●
S	●
H	-

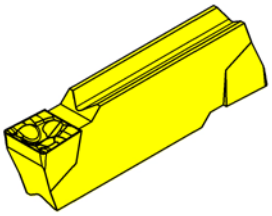
Plaquette amovible
Inserto

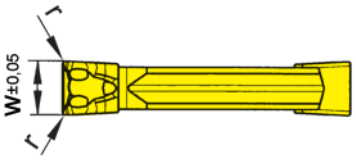
S223

C









Nuance
Leghe

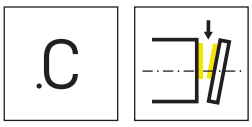
▲ en stock
a stock

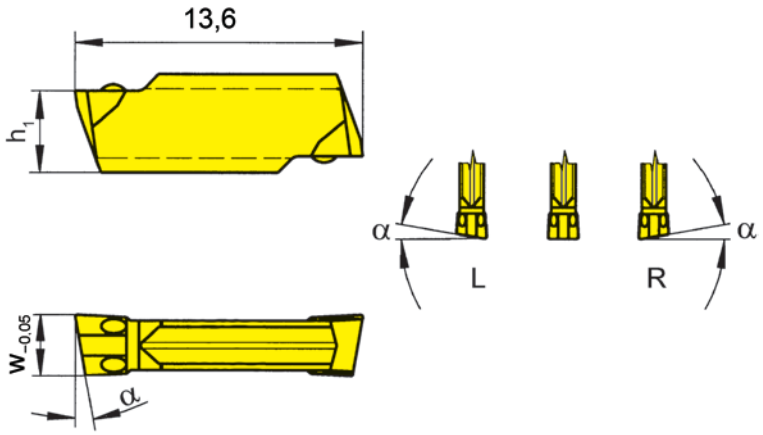
Δ 4 semaines
4 settimane

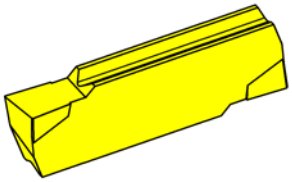
Numéro de commande Codice prodotto	w	r	h_1	HIS		EG55	TH35	TI25
S223.0200.52	2	0,2	3,65	22301		▲	▲	
S223.0250.52	2,5	0,2	3,75	22302		▲		▲
S223.0300.52	3	0,2	3,95	22303		▲	▲	Δ
					P	●	●	●
					M	o	●	●
					K	o	●	●
					N	-	●	●
					S	-	●	●
					H	-	-	-

Plaquette amovible
Inserto

S223







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

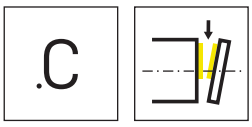
Δ 4 semaines
4 settimane

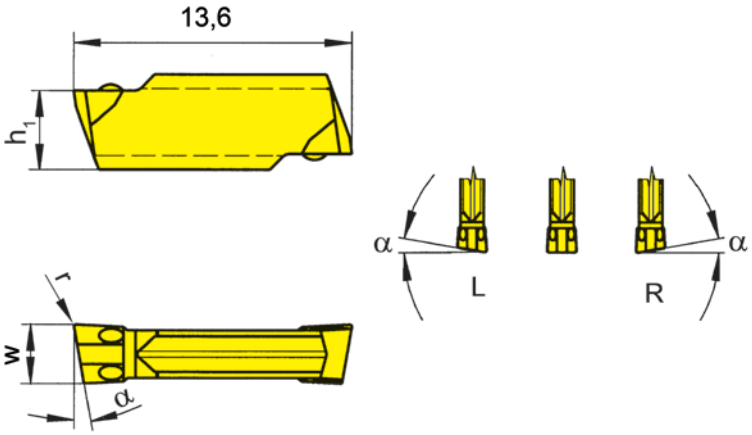
Nuance
Leghe

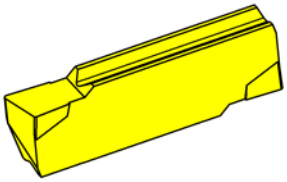
Numéro de commande Codice prodotto	w	α	h_1	HIS		EG55	TI25	TN35
RS223.0420.C0	2	4°	3,65	22301			▲	▲
RS223.0425.C0	2,5	4°	3,75	22302			▲	
RS223.0430.C0	3	4°	3,95	22303			Δ	Δ
RS223.0820.C0	2	8°	3,65	22301		▲	▲	▲
RS223.0825.C0	2,5	8°	3,75	22302		▲	▲	▲
RS223.0830.C0	3	8°	3,95	22303			▲	▲
RS223.1520.C0	2	15°	3,65	22301		▲	▲	▲
LS223.0420.C0	2	4°	3,65	22301				▲
LS223.0425.C0	2,5	4°	3,75	22302			Δ	Δ
LS223.0430.C0	3	4°	3,95	22303			Δ	Δ
LS223.0820.C0	2	8°	3,65	22301			▲	▲
LS223.0825.C0	2,5	8°	3,75	22302			Δ	
LS223.0830.C0	3	8°	3,95	22303			Δ	Δ
LS223.1520.C0	2	15°	3,65	22301			▲	▲
S223.0020.C0	2	0°	3,65	22301		▲	▲	▲
S223.0025.C0	2,5	0°	3,75	22302			▲	Δ
S223.0030.C0	3	0°	3,95	22303			▲	▲
					P	●	●	●
					M	o	●	●
					K	o	●	●
					N	-	●	●
					S	-	●	●
					H	-	-	-

Plaquette amovible
Inserto

S223







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

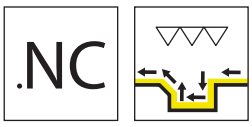
▲ en stock
a stock

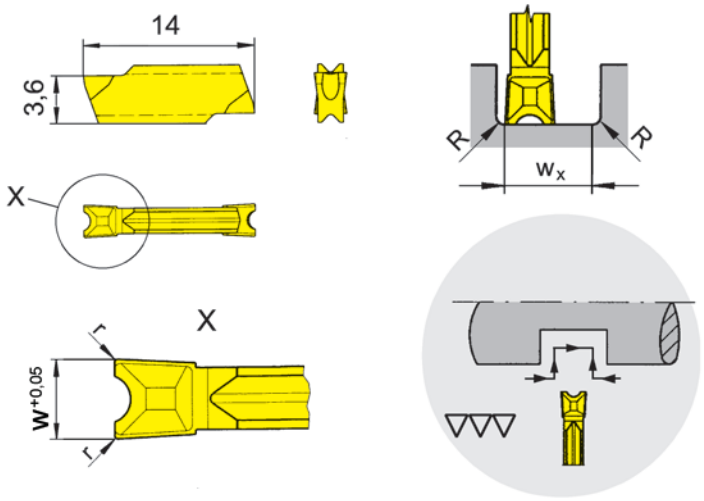
Δ 4 semaines
4 settimane

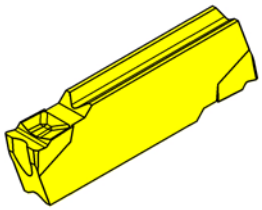
Numéro de commande Codice prodotto	w	r	α	h_1	HIS	Nuance Leghe TI25	 TN35
RS223.0420.C1	2	0,15	4°	3,65	22301	Δ	▲
RS223.0425.C1	2,5	0,15	4°	3,75	22302	Δ	Δ
RS223.0430.C1	3	0,15	4°	3,95	22303		Δ
RS223.0820.C1	2	0,15	8°	3,65	22301	▲	▲
RS223.0825.C1	2,5	0,15	8°	3,75	22302	▲	Δ
RS223.1520.C1	2	0,15	15°	3,65	22301	Δ	▲
LS223.0420.C1	2	0,15	4°	3,65	22301	Δ	▲
LS223.0425.C1	2,5	0,15	4°	3,75	22302	Δ	Δ
LS223.0430.C1	3	0,15	4°	3,95	22303	Δ	Δ
LS223.0820.C1	2	0,15	8°	3,65	22301	Δ	Δ
LS223.0825.C1	2,5	0,15	8°	3,75	22302	Δ	Δ
LS223.1520.C1	2	0,15	15°	3,65	22301	Δ	Δ
S223.0020.C1	2	0,15	0°	3,65	22301	▲	▲
S223.0025.C1	2,5	0,15	0°	3,75	22302	▲	Δ
S223.0030.C1	3	0,15	0°	3,95	22303	▲	▲
						P ●	●
						M ●	●
						K ●	●
						N ●	●
						S ●	●
						H -	-

Plaquette amovible
Inserto

S223







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	w_x	HIS		T125
S223.NC20.D2	2	0,2	2,7	22301		▲
					P	●
					M	●
					K	●
					N	●
					S	●
					H	-

wx = largeur de gorge - R(droite) - R(gauche)
wx = larghezza gola - R(destro) - R(sinistro)

209



Porte outils et plaquettes

Largeur de gorge 2 - 3 mm

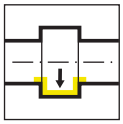
Portainserto e inserti

Larghezza della gola 2 - 3 mm

Gorge et Chariotage
Gole e Tornitura in passata

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 113

Porte outils
Portainserto
B209



Page/Pag. 114

Plaquette amovible
Inserto
S209

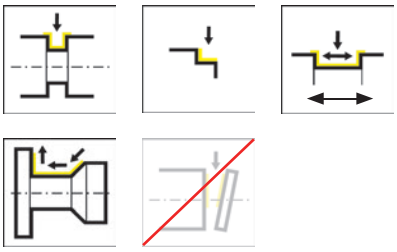
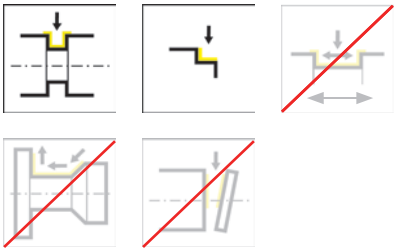
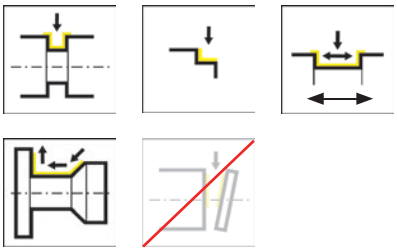
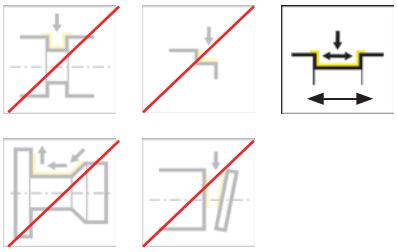
.5
Page/Pag. 115

.1A
Page/Pag. 116

.FB
Page/Pag. 117

.KF
Page/Pag. 118

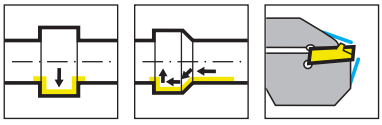
Géométries et avances
Geometrie e avanzamenti

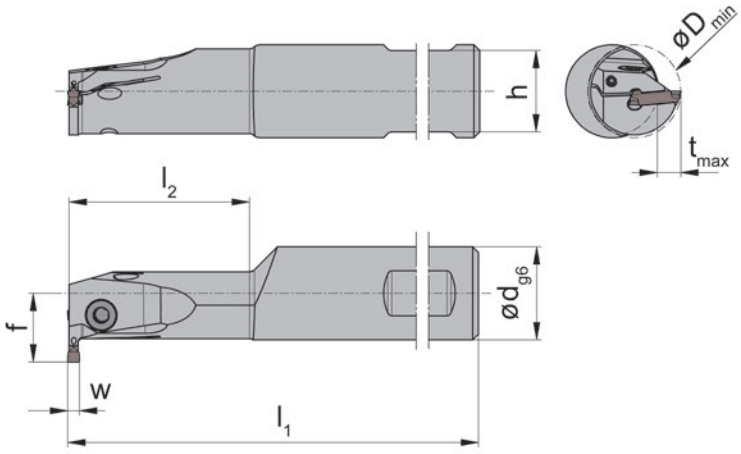
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
.1A	P M K N S H	↓ 0,03-0,12	
.KF	P M K N S H	↓ 0,10-0,45 ↔ 0,05-0,25	
.FB	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	

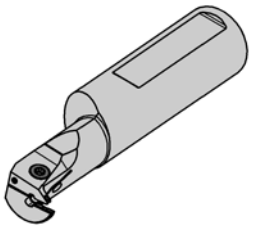
D

Porte outils
Portainserto

B209







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	l_2	h	f	t_{max}	D_{min}	HWS
RB209.0016.1.02.IK	16	110	30	14	11,8	3,5	16	20920
RB209.0020.1.12.IK	20	110	30	18	15,3	5	18	20920
RB209.0016.1.025.IK	16	110	30	14	11,8	3,5	16	20925
RB209.0020.1.125.IK	20	110	30	18	15,3	5	18	20925
RB209.0016.1.03.IK	16	110	30	14	11,8	3,5	16	20930
RB209.0020.1.13.IK	20	110	30	18	15,3	5	18	20930
LB209.0016.1.02.IK	16	110	30	14	11,8	3,5	16	20920
LB209.0020.1.12.IK	20	110	30	18	15,3	5	18	20920
LB209.0016.1.025.IK	16	110	30	14	11,8	3,5	16	20925
LB209.0020.1.125.IK	20	110	30	18	15,3	5	18	20925
LB209.0016.1.03.IK	16	110	30	14	11,8	3,5	16	20930
LB209.0020.1.13.IK	20	110	30	18	15,3	5	18	20930

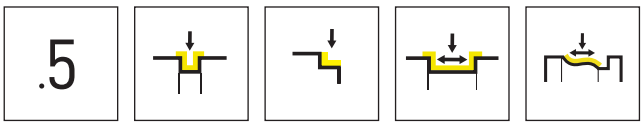
w voir plaquettes amovibles
w vd. inserti

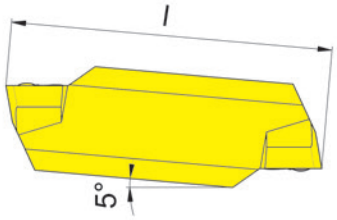
Pièces Détachées
Ricambi

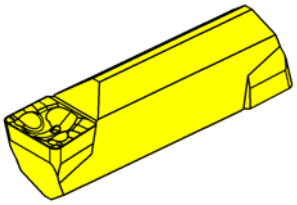
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB209...	**3.5.12T10EP**	**T10PL**

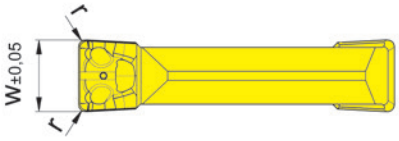
Plaquette amovible
Inserto

S209









Nuance
Leghe

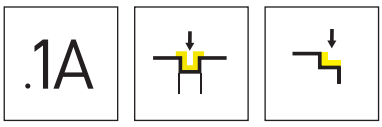
▲ en stock
a stock

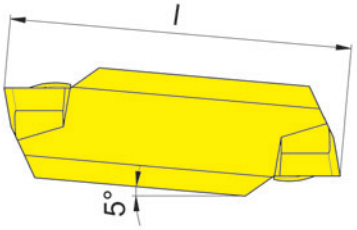
Δ 4 semaines
4 settimane

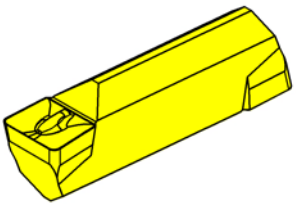
Numéro de commande Codice prodotto	w	r	l	HIS		AS45
S209.0200.52	2	0,2	9	20920		▲
S209.0250.52	2,5	0,2	10	20925		▲
S209.0300.52	3	0,2	10	20930		▲
					P	●
					M	●
					K	●
					N	o
					S	●
					H	-

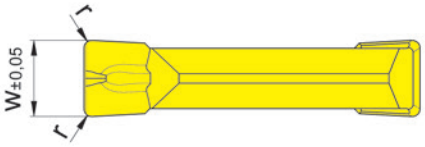
Plaquette amovible
Inserto

S209









Nuance
Leghe

▲ en stock
a stock

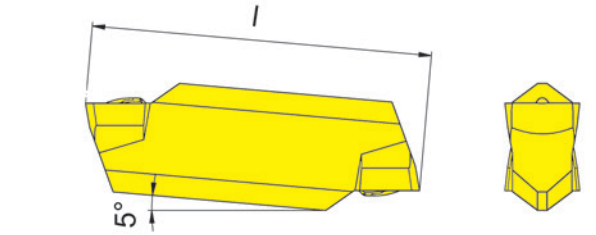
Δ 4 semaines
4 settimane

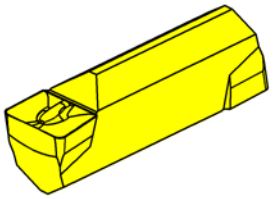
Numéro de commande Codice prodotto	w	r	l	HIS		AS45
S209.0200.1A2	2	0,2	9	20920		▲
S209.0250.1A2	2,5	0,2	10	20925		Δ
S209.0300.1A2	3	0,2	10	20930		▲
					P	●
					M	●
					K	●
					N	o
					S	●
					H	-

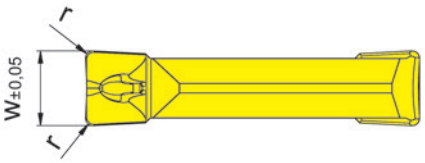
Plaquette amovible
Inserto

S209

.FB







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	l	HIS	EG35
S209.FB20.02	2	0,2	9	20920	▲
					P ●
					M ●
					K o
					N -
					S -
					H -

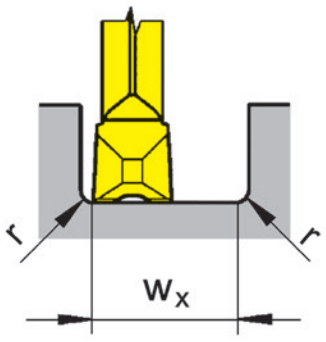
Calcul de la plus petite largeur de gorge possible w_x
Calcolo della larghezza di gola w_x più basso possibile

Exemple S209.FB20.02
Esempio

w_x = 2 x Largeur de gorge/Larghezza della gola w - 2 x Rayon d'angles plaque /Spigolo raggiato inserto r

w_x = 2 x 2 mm - 2 x 0,2 mm

w_x = 3,6 mm

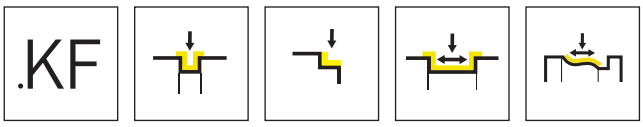


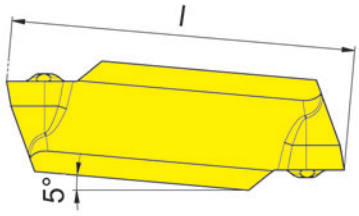
Déroulement du processus
Percorso di lavoro

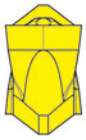


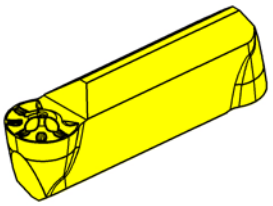
Plaquette amovible
Inserto

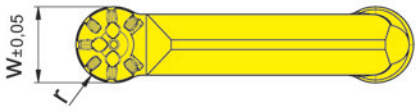
S209











Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	l	HIS	AS45
S209.0010.KF2	2	1	9	20920	▲
S209.0015.KF3	3	1,5	10	20930	▲
					P ●
					M ●
					K ●
					N o
					S ●
					H -

216



E

Porte outils et plaquettes

Largeur de gorge 2 - 6 mm

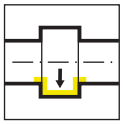
Portainserto e inserti

Larghezza della gola 2 - 6 mm

Gorge et Chariotage
Gole e Tornitura in passata

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 121

Porte outils
Portainserto
B216



Page/Pag. 122

Plaquette amovible
Inserto
S216

.5
Page/Pag. 123

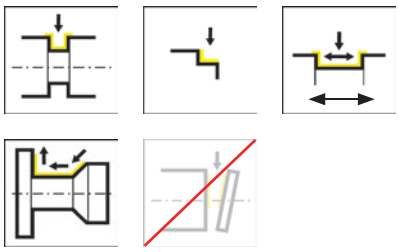
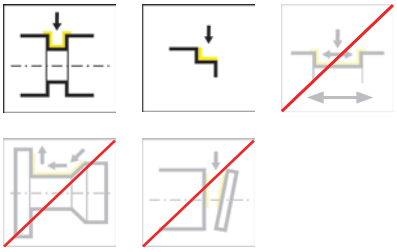
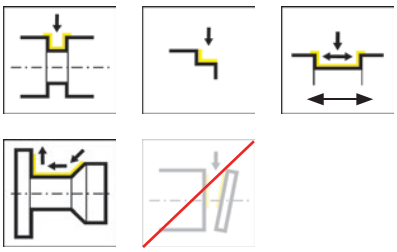
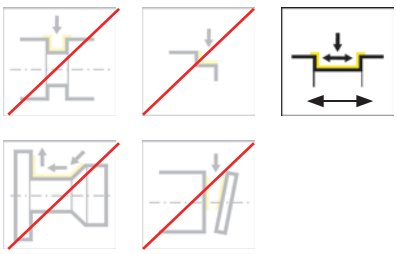
.1A
Page/Pag. 124

.FB
Page/Pag. 125

.KF
Page/Pag. 126

E

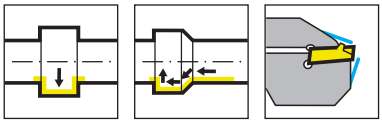
Géométries et avances
Geometrie e avanzamenti

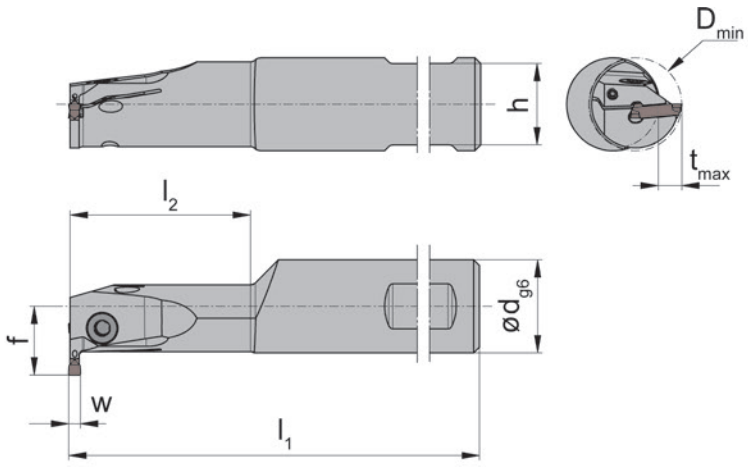
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
.1A	P M K N S H	↓ 0,03-0,12	
.KF	P M K N S H	↓ 0,10-0,45 ↔ 0,05-0,25	
.FB	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	

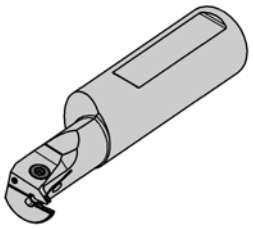
E

Porte outils
Portainserto

B216







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	l_2	h	f	t_{max}	D_{min}	Plage de serrage Campo di serraggio	HWS
RB216.0020.1.22.IK	20	110	30	18	16,3	6	20	2,0-2,4	21620
RB216.0020.1.225.IK	20	110	30	18	16,3	6	20	2,4-2,8	21625
RB216.0020.1.23.IK	20	110	30	18	16,3	6	20	2,8-3,7	21630
RB216.0020.1.24.IK	20	110	30	18	16,3	6	20	3,7-4,4	21640
RB216.0025.2.22.IK	25	150	50	23	20,3	7,5	25	2,0-2,4	21620
RB216.0025.2.225.IK	25	150	50	23	20,3	7,5	25	2,4-2,8	21625
RB216.0025.2.23.IK	25	150	50	23	20,3	7,5	25	2,8-3,7	21630
RB216.0025.2.24.IK	25	150	50	23	20,3	7,5	25	3,7-4,4	21640
RB216.0025.23.1.22.IK	25	150	30	23	19,8	7	23	2,0-2,4	21620
RB216.0025.23.1.23.IK	25	150	30	23	19,8	7	23	2,8-3,7	21630
RB216.0025.23.1.24.IK	25	150	30	23	19,8	7	23	3,7-4,4	21640
RB216.0025.23.1.25.IK	25	150	30	23	19,8	7	23	4,4-5,1	21650
LB216.0020.1.22.IK	20	110	30	18	16,3	6	20	2,0-2,4	21620
LB216.0020.1.225.IK	20	110	30	18	16,3	6	20	2,4-2,8	21625
LB216.0020.1.23.IK	20	110	30	18	16,3	6	20	2,8-3,7	21630
LB216.0020.1.24.IK	20	110	30	18	16,3	6	20	3,7-4,4	21640
LB216.0025.2.22.IK	25	150	50	23	20,3	7,5	25	2,0-2,4	21620
LB216.0025.2.225.IK	25	150	50	23	20,3	7,5	25	2,4-2,8	21625
LB216.0025.2.23.IK	25	150	50	23	20,3	7,5	25	2,8-3,7	21630
LB216.0025.2.24.IK	25	150	50	23	20,3	7,5	25	3,7-4,4	21640
LB216.0025.23.1.22.IK	25	150	30	23	19,8	7	23	2,0-2,4	21620
LB216.0025.23.1.23.IK	25	150	30	23	19,8	7	23	2,8-3,7	21630
LB216.0025.23.1.24.IK	25	150	30	23	19,8	7	23	3,7-4,4	21640
LB216.0025.23.1.25.IK	25	150	30	23	19,8	7	23	4,4-5,1	21650
LB216.0025.23.1.26.IK	25	150	30	23	19,8	7	23	5,1-6,1	21660

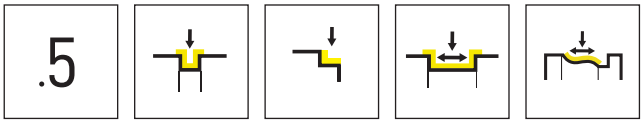
w voir plaquettes amovibles
w vd. inserti

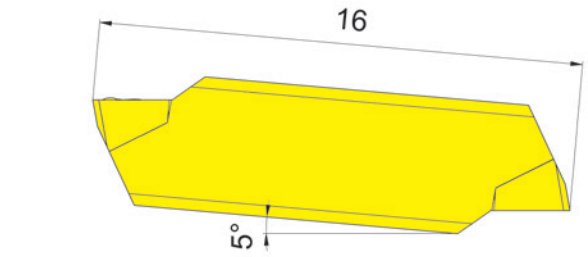
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB216.0020.1....	**3.5.12T10EP**	**T10PL**
R/LB216.0025....	**5.13T20EP**	**T20PQ**
LB216.0025.23.1.26.IK	**5.13T20EP**	**T20PQ**

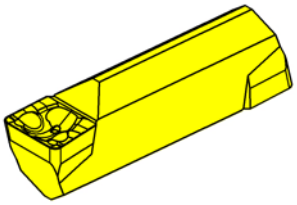
Plaquette amovible
Inserto

S216









E

Nuance
Leghe

▲ en stock
a stock

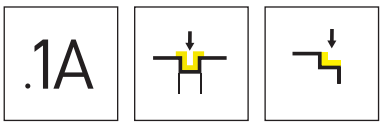
Δ 4 semaines
4 settimane

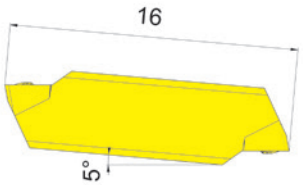
Numéro de commande Codice prodotto	w	r	HIS	AS45
S216.0200.52	2	0,2	21620	▲
S216.0250.52	2,5	0,2	21625	▲
S216.0300.52	3	0,2	21630	▲
S216.0400.52	4	0,2	21640	▲
S216.0500.54	5	0,4	21650	Δ
S216.0600.54	6	0,4	21660	Δ

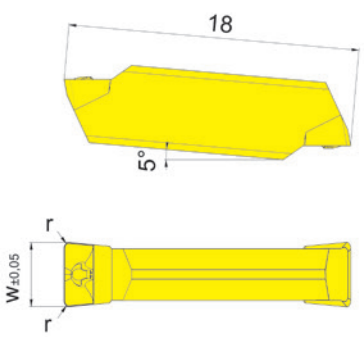
P	●
M	●
K	●
N	o
S	●
H	-

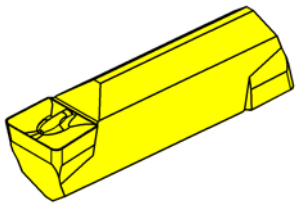
Plaquette amovible
Inserto

S216









E

Largeur de gorge 2 - 4 mm
Larghezza della gola 2 - 4 mm

Largeur 5 - 6 mm
Larghezza 5 - 6 mm

Nuance
Leghe

▲ en stock
a stock

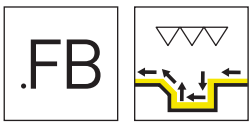
Δ 4 semaines
4 settimane

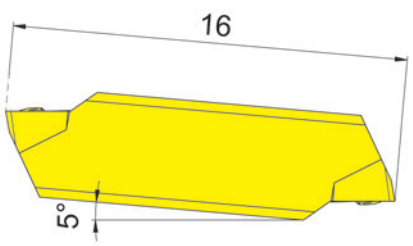
Numéro de commande Codice prodotto	w	r	HIS	AS45
S216.0200.1A2	2	0,2	21620	▲
S216.0250.1A2	2,5	0,2	21625	Δ
S216.0300.1A2	3	0,2	21630	▲
S216.0400.1A2	4	0,2	21640	▲
S216.0500.1A4	5	0,4	21650	Δ

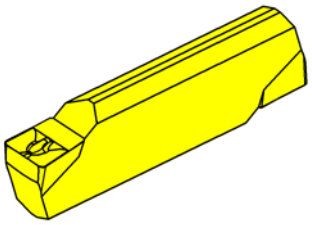
P	●
M	●
K	●
N	o
S	●
H	-

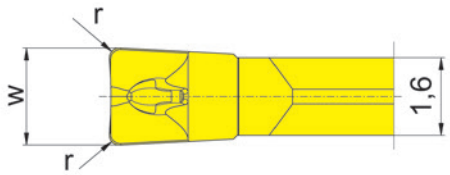
Plaquette amovible
Inserto

S216









E

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS	EG35
S216.FB20.02	2	0,2	21620	▲
				P ●
				M ●
				K o
				N -
				S -
				H -

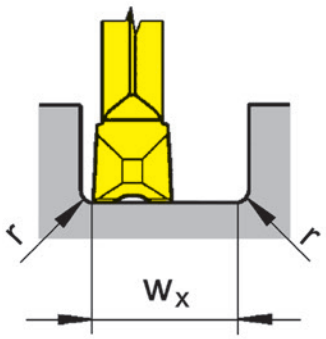
Calcul de la plus petite largeur de gorge possible w_x
Calcolo della larghezza di gola w_x più basso possibile

Exemple S216.FB20.02
Esempio

w_x = 2 x Largeur de gorge/Larghezza della gola w - 2 x Rayon d'angles plaque /Spigolo raggiato inserto r

w_x = 2 x 2 mm - 2 x 0,2 mm

w_x = 3,6 mm

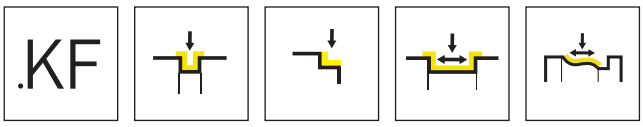


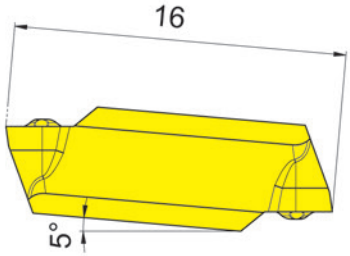
Déroulement du processus
Percorso di lavoro



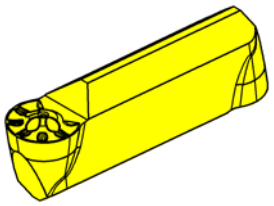
Plaquette amovible
Inserto

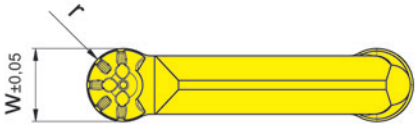
S216











E

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS	AS45
S216.0010.KF2	2	1	21620	▲
S216.0015.KF3	3	1,5	21630	▲
S216.0020.KF4	4	2	21640	▲
				P ●
				M ●
				K ●
				N o
				S ●
				H -

217



F

Porte outils et plaquettes

Largeur de gorge 0,5 - 5,3 mm

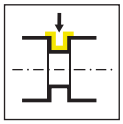
Portainserto e inserti

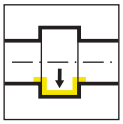
Larghezza della gola 0,5 - 5,3 mm

Gorge
Gole

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 129

Porte outils
Portainserto
240/248/230/250/233/253/234/254/235/255/245

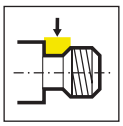

Page/Pag. 130-132

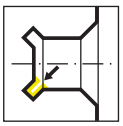

Page/Pag. 133-136


Page/Pag. 137

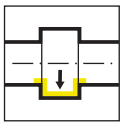
Plaquette amovible
Inserto
217


Page/Pag. 138-139


Page/Pag. 140


Page/Pag. 141-142

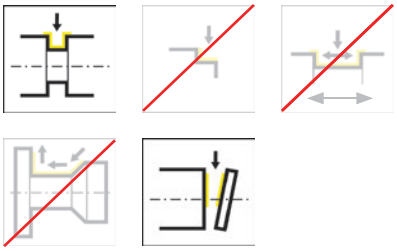
Cartouche
Cartuccia
232


Page/Pag. 143

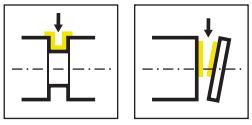
Dimensions de logement
Dimensione della sede
Page/Pag. 144

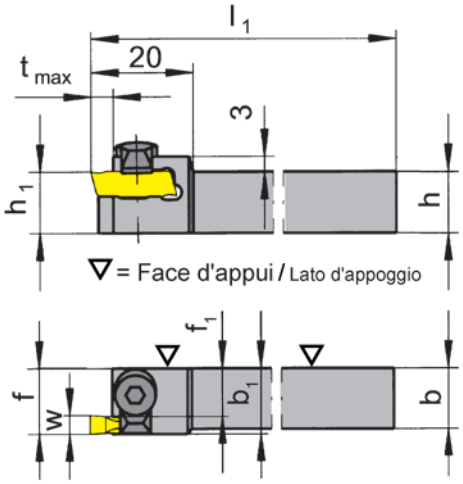
F

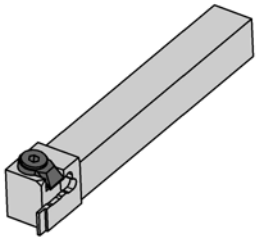
Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.00	P M K N S H	0,02-0,12	

F







R = version à droite représentée
R = versione destra come in figura

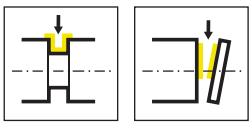
L = version à gauche
L = versione sinistra a specchio

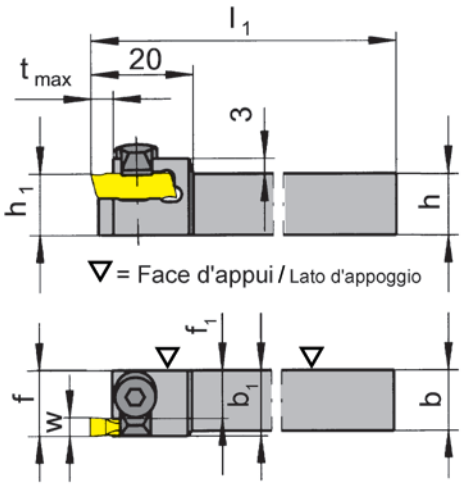
Numéro de commande Codice prodotto	h	b	l_1	h_1	b_1	f_1	f	t_{max}	HWS
R240.1010.01	10	10	80	10	13	11,5	f_1+w-a_1	4	21701
R240.1212.01	12	12	100	12	13	11,5	f_1+w-a_1	4	21701
R240.1414.01	14	14	100	14	14	12,5	f_1+w-a_1	4	21701
R240.1616.01	16	16	125	16	16	14,5	f_1+w-a_1	4	21701
R240.2020.01	20	20	125	20	20	18,5	f_1+w-a_1	4	21701
R240.1010.02	10	10	80	10	13	10,5	f_1+w-a_1	4	21702
R240.1212.02	12	12	100	12	13	10,5	f_1+w-a_1	4	21702
R240.1414.02	14	14	100	14	14	11,5	f_1+w-a_1	4	21702
R240.1616.02	16	16	125	16	16	13,5	f_1+w-a_1	4	21702
R240.2020.02	20	20	125	20	20	17,5	f_1+w-a_1	4	21702
L240.1010.01	10	10	80	10	13	11,5	f_1+w-a_1	4	21701
L240.1212.01	12	12	100	12	13	11,5	f_1+w-a_1	4	21701
L240.1414.01	14	14	100	14	14	12,5	f_1+w-a_1	4	21701
L240.1616.01	16	16	125	16	16	14,5	f_1+w-a_1	4	21701
L240.2020.01	20	20	125	20	20	18,5	f_1+w-a_1	4	21701
L240.1010.02	10	10	80	10	13	10,5	f_1+w-a_1	4	21702
L240.1212.02	12	12	100	12	13	10,5	f_1+w-a_1	4	21702
L240.1414.02	14	14	100	14	14	11,5	f_1+w-a_1	4	21702
L240.1616.02	16	16	125	16	16	13,5	f_1+w-a_1	4	21702
L240.2020.02	20	20	125	20	20	17,5	f_1+w-a_1	4	21702

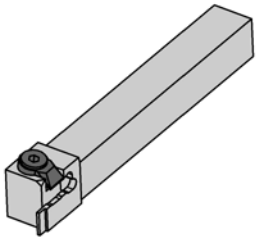
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L240...	**8.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

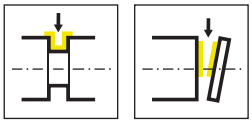
F

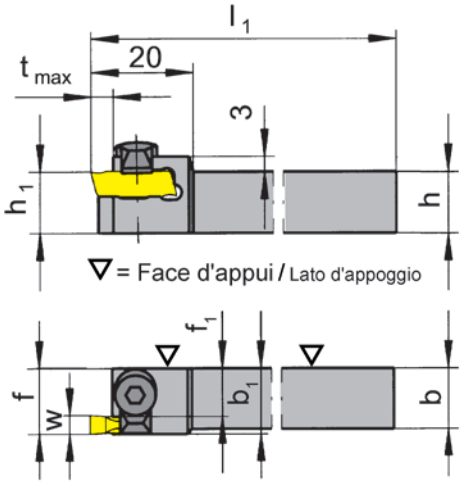
Numéro de commande Codice prodotto	h	b	l_1	h_1	b_1	f_1	f	t_{max}	HWS
R240.1010.03	10	10	80	10	13	9,5	f_1+w-a_1	4	21703
R240.1212.03	12	12	100	12	13	9,5	f_1+w-a_1	4	21703
R240.1414.03	14	14	100	14	14	10,5	f_1+w-a_1	4	21703
R240.1616.03	16	16	125	16	16	12,5	f_1+w-a_1	4	21703
R240.2020.03	20	20	125	20	20	16,5	f_1+w-a_1	4	21703
R240.1010.04	10	10	80	10	15	9,8	f_1+w-a_1	4	21704
R240.1212.04	12	12	100	12	15	9,8	f_1+w-a_1	4	21704
R240.1414.04	14	14	100	14	15	9,8	f_1+w-a_1	4	21704
R240.1616.04	16	16	125	16	16	10,8	f_1+w-a_1	4	21704
R240.2020.04	20	20	125	20	20	14,8	f_1+w-a_1	4	21704
L240.1010.03	10	10	80	10	13	9,5	f_1+w-a_1	4	21703
L240.1212.03	12	12	100	12	13	9,5	f_1+w-a_1	4	21703
L240.1414.03	14	14	100	14	14	10,5	f_1+w-a_1	4	21703
L240.1616.03	16	16	125	16	16	12,5	f_1+w-a_1	4	21703
L240.2020.03	20	20	125	20	20	16,5	f_1+w-a_1	4	21703
L240.1010.04	10	10	80	10	15	9,8	f_1+w-a_1	4	21704
L240.1212.04	12	12	100	12	15	9,8	f_1+w-a_1	4	21704
L240.1414.04	14	14	100	14	15	9,8	f_1+w-a_1	4	21704
L240.2020.04	20	20	125	20	20	14,8	f_1+w-a_1	4	21704

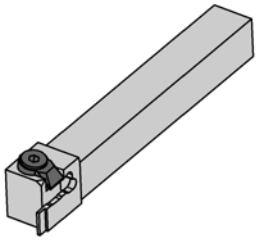
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L240...03	**8.3**
R/L240...04	**8.4**







R = version à droite représentée
R = versione destra come in figura

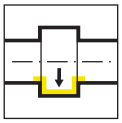
L = version à gauche
L = versione sinistra a specchio

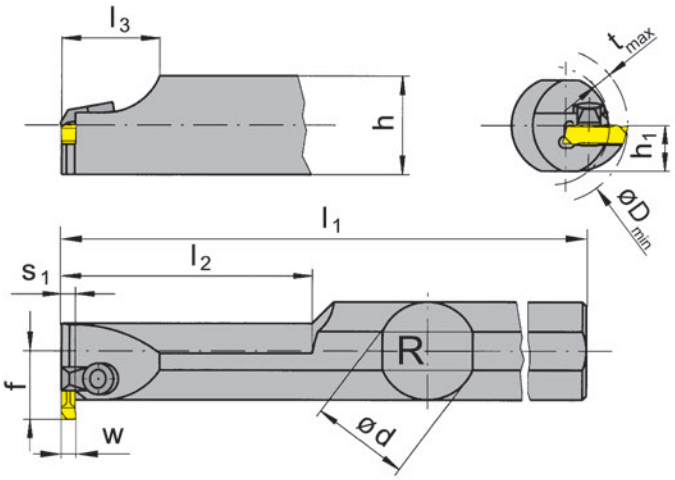
Numéro de commande Codice prodotto	h	b	l_1	h_1	b_1	f_1	f	t_{max}	HWS
R248.1212.01	12	12	95	12	13	1,5	f_1+a_1	4	21701
R248.1212.02	12	12	95	12	13	2,5	f_1+a_1	4	21702
L248.1212.01	12	12	95	12	13	1,5	f_1+a_1	4	21701
L248.1212.02	12	12	95	12	13	2,5	f_1+a_1	4	21702

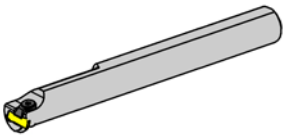
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L248...	**8.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

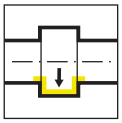
Numéro de commande Codice prodotto	d	l_1	l_2	l_3	h	s_1	h_1	f	t_{max}	D_{min}	HWS
R230.0020.01	20	180	60	18	18	1,5	9	13,3	2	20	21701
R250.0025.01	25	250	80	25	23	1,5	11,5	17,5	4,7	25	21701
R250.0032.01	32	250	80	25	30	1,5	15	21	4,7	32	21701
R230.0020.02	20	180	60	18	18	2,5	9	13,3	2	20	21702
R250.0025.02	25	250	80	25	23	2,5	11,5	17,5	4,7	25	21702
R250.0032.02	32	250	80	25	30	2,5	15	21	4,7	32	21702
R230.0020.03	20	180	60	18	18	3,5	9	13,3	2	20	21703
R250.0025.03	25	250	80	25	23	3,5	11,5	17,5	4,7	25	21703
R250.0032.03	32	250	80	25	30	3,5	15	21	4,7	32	21703
R230.0020.04	20	180	60	18	18	5,2	9	13,3	3	20	21704
R250.0025.04	25	250	80	25	23	5,2	11,5	17,5	4,7	25	21704
L230.0020.01	20	180	60	18	18	1,5	9	13,3	2	20	21701
L250.0025.01	25	250	80	25	23	1,5	11,5	17,5	4,7	25	21701
L250.0032.01	32	250	80	25	30	1,5	15	21	4,7	32	21701
L230.0020.02	20	180	60	18	18	2,5	9	13,3	2	20	21702
L250.0025.02	25	250	80	25	23	2,5	11,5	17,5	4,7	25	21702
L250.0032.02	32	250	80	25	30	2,5	15	21	4,7	32	21702
L230.0020.03	20	180	60	18	18	3,5	9	13,3	2	20	21703
L250.0025.03	25	250	80	25	23	3,5	11,5	17,5	4,7	25	21703
L250.0032.03	32	250	80	25	30	3,5	15	21	4,7	32	21703
L230.0020.04	20	180	60	18	18	5,2	9	13,3	3	20	21704
L250.0025.04	25	250	80	25	23	5,2	11,5	17,5	4,7	25	21704
L250.0032.04	32	250	80	25	30	5,2	15	21	4,7	32	21704

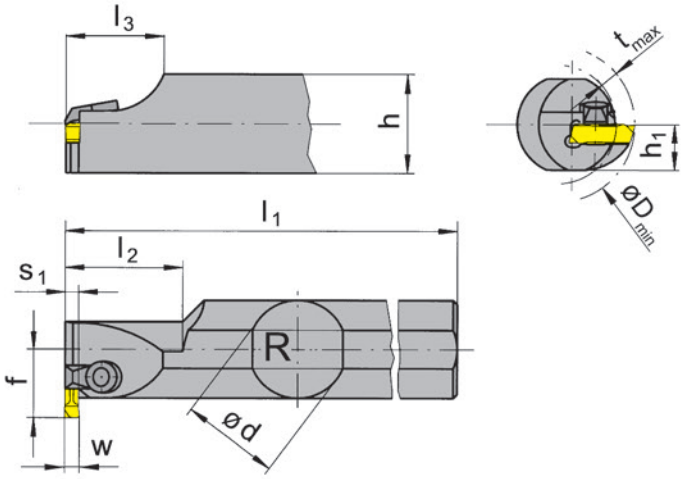
w voir plaquettes amovibles
w vd. inserti

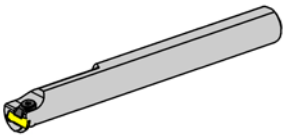
Série longue
Serie lunga

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L2...01/02/03	**8.3**
R/L2...04	**8.4**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

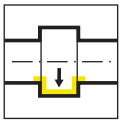
Numéro de commande Codice prodotto	d	l_1	l_2	l_3	h	s_1	h_1	f	t_{max}	D_{min}	HWS
R233.0020.01	20	130	25	18	18	1,5	9	13,3	2	20	21701
R253.0025.01	25	150	30	25	23	1,5	11,5	17,5	4,7	25	21701
R253.0032.01	32	150	30	25	30	1,5	15	21	4,7	32	21701
R233.0020.02	20	130	25	18	18	2,5	9	13,3	2	20	21702
R253.0025.02	25	150	30	25	23	2,5	11,5	17,5	4,7	25	21702
R253.0032.02	32	150	30	25	30	2,5	15	21	4,7	32	21702
R233.0020.03	20	130	25	18	18	3,5	9	13,3	2	20	21703
R253.0025.03	25	150	30	25	23	3,5	11,5	17,5	4,7	25	21703
R253.0032.03	32	150	30	25	30	3,5	15	21	4,7	32	21703
R233.0020.04	20	130	25	18	18	5,2	9	13,3	3	20	21704
R253.0025.04	25	150	30	25	23	5,2	11,5	17,5	4,7	25	21704
R253.0032.04	32	150	30	25	30	5,2	15	21	4,7	32	21704
L233.0020.01	20	130	25	18	18	1,5	9	13,3	2	20	21701
L253.0025.01	25	150	30	25	23	1,5	11,5	17,5	4,7	25	21701
L253.0032.01	32	150	30	25	30	1,5	15	21	4,7	32	21701
L233.0020.02	20	130	25	18	18	2,5	9	13,3	2	20	21702
L253.0025.02	25	150	30	25	23	2,5	11,5	17,5	4,7	25	21702
L253.0032.02	32	150	30	25	30	2,5	15	21	4,7	32	21702
L233.0020.03	20	130	25	18	18	3,5	9	13,3	2	20	21703
L253.0025.03	25	150	30	25	23	3,5	11,5	17,5	4,7	25	21703
L253.0032.03	32	150	30	25	30	3,5	15	21	4,7	32	21703
L233.0020.04	20	130	25	18	18	5,2	9	13,3	3	20	21704
L253.0025.04	25	150	30	25	23	5,2	11,5	17,5	4,7	25	21704
L253.0032.04	32	150	30	25	30	5,2	15	21	4,7	32	21704

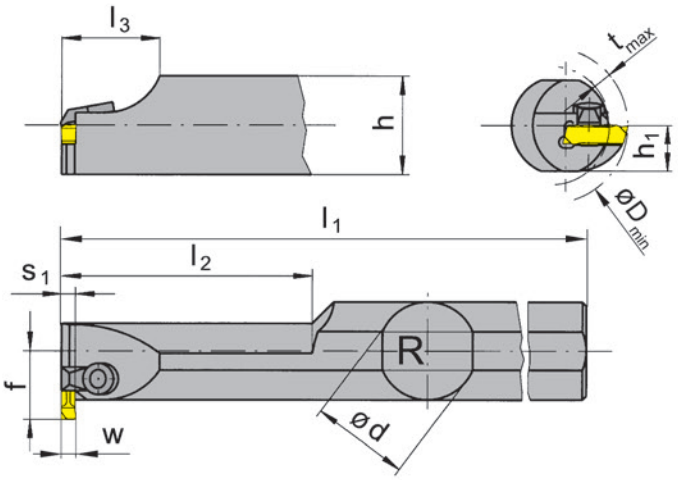
w voir plaquettes amovibles
w vd. inserti

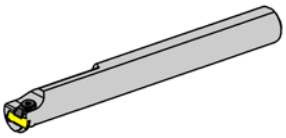
Série courte
Serie corta

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L2...01/02/03	**8.3**
R/L2...04	**8.4**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

F

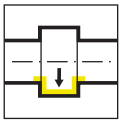
Numéro de commande Codice prodotto	d	l_1	l_2	l_3	h	s_1	h_1	f	t_{max}	D_{min}	HWS
R234.0020.01	20	180	60	18	18	1,5	9	13,3	2	20	21701
R254.0025.01	25	250	80	25	23	1,5	11,5	17,5	4,7	25	21701
R254.0032.01	32	250	80	25	30	1,5	15	21	4,7	32	21701
R234.0020.02	20	180	60	18	18	2,5	9	13,3	2	20	21702
R254.0025.02	25	250	80	25	23	2,5	11,5	17,5	4,7	25	21702
R254.0032.02	32	250	80	25	30	2,5	15	21	4,7	32	21702
R234.0020.03	20	180	60	18	18	3,5	9	13,3	2	20	21703
R254.0032.03	32	250	80	25	30	3,5	15	21	4,7	32	21703
R234.0020.04	20	180	60	18	18	5,2	9	13,3	3	20	21704
R254.0025.04	25	250	80	25	23	5,2	11,5	17,5	4,7	25	21704
R254.0032.04	32	250	80	25	30	5,2	15	21	4,7	32	21704
L234.0020.01	20	180	60	18	18	1,5	9	13,3	2	20	21701
L254.0025.01	25	250	80	25	23	1,5	11,5	17,5	4,7	25	21701
L254.0032.01	32	250	80	25	30	1,5	15	21	4,7	32	21701
L234.0020.02	20	180	60	18	18	2,5	9	13,3	2	20	21702
L254.0025.02	25	250	80	25	23	2,5	11,5	17,5	4,7	25	21702
L254.0032.02	32	250	80	25	30	2,5	15	21	4,7	32	21702
L234.0020.03	20	180	60	18	18	3,5	9	13,3	2	20	21703
L254.0025.03	25	250	80	25	23	3,5	11,5	17,5	4,7	25	21703
L254.0032.03	32	250	80	25	30	3,5	15	21	4,7	32	21703
L234.0020.04	20	180	60	18	18	5,2	9	13,3	3	20	21704
L254.0025.04	25	250	80	25	23	5,2	11,5	17,5	4,7	25	21704
L254.0032.04	32	250	80	25	30	5,2	15	21	4,7	32	21704

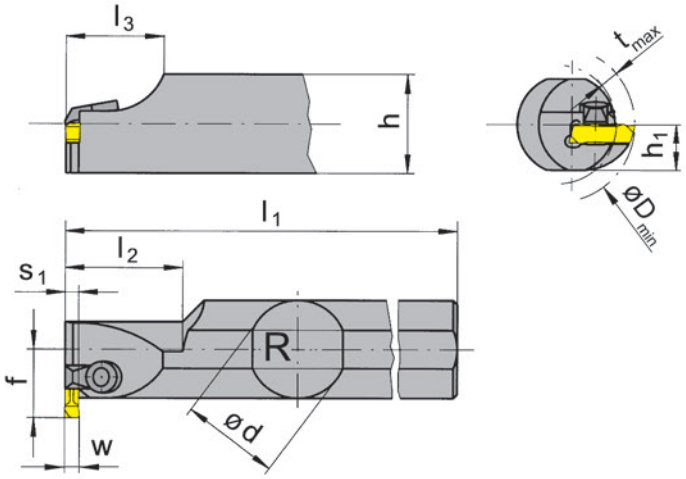
w voir plaquettes amovibles
w vd. inserti

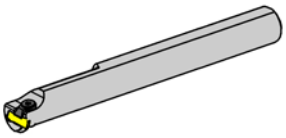
Série longue pour plaquettes spéciales
Serie lunga per inserti forma speciale

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L2...01/02/03	**8.3**
R/L2...04	**8.4**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	l_2	l_3	h	s_1	h_1	f	t_{max}	D_{min}	HWS
R235.0020.01	20	130	25	18	18	1,5	9	13,3	2	20	21701
R255.0025.01	25	150	30	25	23	1,5	11,5	17,5	4,7	25	21701
R255.0032.01	32	150	30	25	30	1,5	15	21	4,7	32	21701
R235.0020.02	20	130	25	18	18	2,5	9	13,3	2	20	21702
R255.0025.02	25	150	30	25	23	2,5	11,5	17,5	4,7	25	21702
R255.0032.02	32	150	30	25	30	2,5	15	21	4,7	32	21702
R235.0020.03	20	130	25	18	18	3,5	9	13,3	2	20	21703
R255.0025.03	25	150	30	25	23	3,5	11,5	17,5	4,7	25	21703
R255.0032.03	32	150	30	25	30	3,5	15	21	4,7	32	21703
R235.0020.04	20	130	25	18	18	5,2	9	13,3	3	20	21704
R255.0025.04	25	150	30	25	23	5,2	11,5	17,5	4,7	25	21704
R255.0032.04	32	150	30	25	30	5,2	15	21	4,7	32	21704
L235.0020.01	20	130	25	18	18	1,5	9	13,3	2	20	21701
L255.0025.01	25	150	30	25	23	1,5	11,5	17,5	4,7	25	21701
L255.0032.01	32	150	30	25	30	1,5	15	21	4,7	32	21701
L235.0020.02	20	130	25	18	18	2,5	9	13,3	2	20	21702
L255.0025.02	25	150	30	25	23	2,5	11,5	17,5	4,7	25	21702
L255.0032.02	32	150	30	25	30	2,5	15	21	4,7	32	21702
L235.0020.03	20	130	25	18	18	3,5	9	13,3	2	20	21703
L255.0025.03	25	150	30	25	23	3,5	11,5	17,5	4,7	25	21703
L255.0032.03	32	150	30	25	30	3,5	15	21	4,7	32	21703
L235.0020.04	20	130	25	18	18	5,2	9	13,3	3	20	21704
L255.0025.04	25	150	30	25	23	5,2	11,5	17,5	4,7	25	21704
L255.0032.04	32	150	30	25	30	5,2	15	21	4,7	32	21704

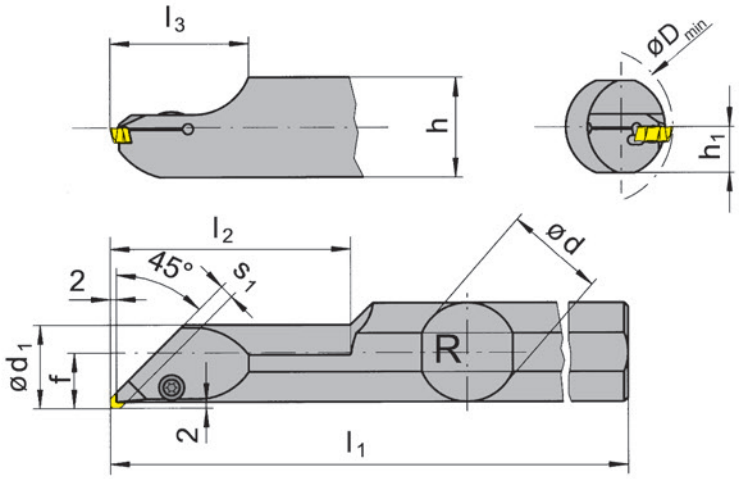
w voir plaquettes amovibles
w vd. inserti

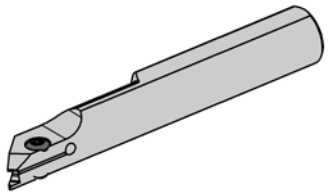
Série courte pour plaquettes spéciales
Serie corta per inserti forma speciale

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L2...01/02/03	**8.3**
R/L2...04	**8.4**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_2	h	l_1	h_1	f	D_{min}	d_1	s_1	l_3	HWS
R245.0020.02	20	60,43	18	180	9	12	20	17,2	2,5	35,6	21702
R245.0032.02	32	80	30	250	15	18	31	28,2	2,5	41,6	21702
R245.0020.03	20	60	18	180	9	12	20	17,2	3,5	35	21703
R245.0032.03	32	80,64	30	250	15	18	31	28,2	3,5	41,82	21703
R245.0020.04	20	60,99	18	180	9	12	20	17,2	5,2	36,17	21704
R245.0032.04	32	80,99	30	250	15	18	31	28,2	5,2	42,17	21704
L245.0020.02	20	60,43	18	180	9	12	20	17,2	2,5	35,6	21702
L245.0032.02	32	80	30	250	15	18	31	28,2	2,5	41,6	21702
L245.0020.03	20	60	18	180	9	12	20	17,2	3,5	35	21703
L245.0032.03	32	80,64	30	250	15	18	31	28,2	3,5	41,82	21703
L245.0020.04	20	60,99	18	180	9	12	20	17,2	5,2	36,17	21704
L245.0032.04	32	80,99	30	250	15	18	31	28,2	5,2	42,17	21704

similaire à DIN 509 forme „F“
simile a DIN 509 forma ‚F‘‘

F

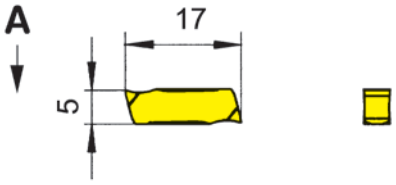
Pièces Détachées
Ricambi

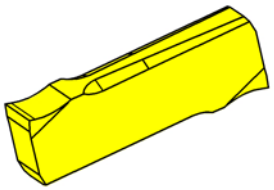
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L245...	**51.27.984P**	**T15PQ**

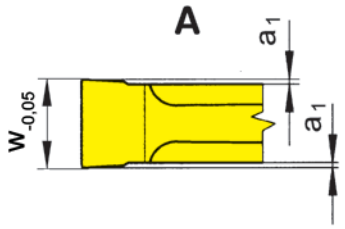
Plaquette amovible
Inserto

217









F

Nuance
Leghe

▲ en stock
a stock

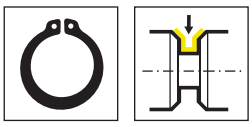
Δ 4 semaines
4 settimane

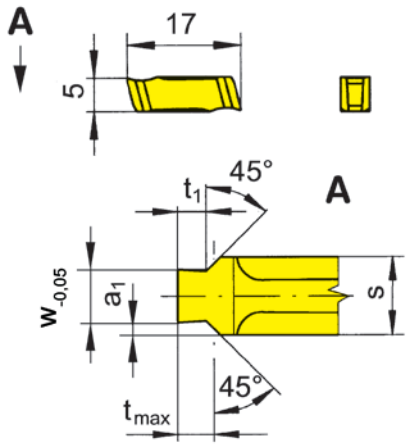
Numéro de commande Codice prodotto	w	Nw	a_1	HIS		K10	P20	TN32
217.0050.00	0,57	0,5	0,06	21701		▲	▲	▲
217.0060.00	0,67	0,6	0,06	21701		▲	▲	▲
217.0070.00	0,77	0,7	0,06	21701		▲	▲	▲
217.0080.00	0,87	0,8	0,06	21701		▲	▲	▲
217.0090.00	0,97	0,9	0,06	21701		▲	▲	▲
217.0100.00	1,07	1	0,06	21701		▲	▲	▲
217.0110.00	1,24	1,1	0,1	21701		▲	▲	▲
217.0130.00	1,44	1,3	0,1	21701		▲	▲	▲
217.0160.00	1,74	1,6	0,1	21701		▲	▲	▲
217.0185.00	1,99	1,85	0,1	21702		▲	▲	▲
217.0215.00	2,29	2,15	0,1	21702		▲	▲	▲
217.0265.00	2,79	2,65	0,1	21702		▲	▲	▲
217.0315.00	3,29	3,15	0,1	21703		▲	▲	▲
217.0415.00	4,29	4,15	0,1	21704		▲	▲	▲
217.0515.00	5,29	5,15	0,1	21704		▲	▲	▲
					P	●	●	●
					M	o	-	-
					K	●	-	-
					N	●	-	-
					S	o	-	-
					H	-	-	-

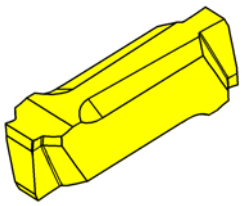
Profondeur max. de gorge uniquement avec une largeur de coupe de ≥ 1,1 mm
Pour les plaquettes plus petites le tmax est limité à 1 mm et dépendra du diamètre à usiner.
La profondità di gola max può esere raggiunta solo con larghezza di taglio 1,1 mm
Inserti più stretti hanno tmax = 1,0 mm o più profonda in relazione al Ø del pezzo.

w > 1,1 mm pour Barre d'alésage
w > 1,1 mm per Bareno

Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	Nw	t_{max}	a_1	s	t_1	HIS	TN32
217.1306.25	1,44	1,3	0,55	0,54	2,5	0,45	21702	▲
217.1607.33	1,74	1,6	0,7	0,79	3,3	0,6	21703	▲
217.1609.33	1,74	1,6	1	0,79	3,3	0,85	21703	▲
217.1812.33	1,99	1,85	1,25	0,67	3,3	1,1	21703	▲
217.2115.43	2,29	2,15	1,5	1,02	4,3	1,35	21704	▲
217.2616.43	2,79	2,65	1,5	0,77	4,3	1,35	21704	Δ
217.2617.43	2,79	2,65	1,75	0,77	4,3	1,6	21704	▲
217.3118.53	3,29	3,15	1,75	1,02	5,3	1,6	21704	▲
217.4120.53	4,29	4,15	2	0,52	5,3	1,85	21704	▲

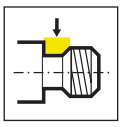
P	●
M	-
K	-
N	-
S	-
H	-

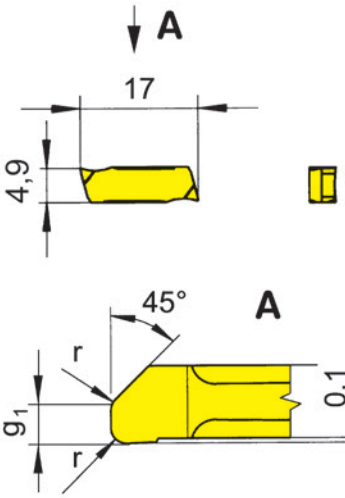
Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472

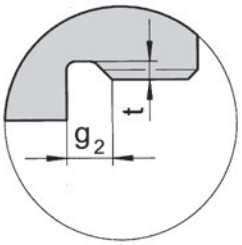
F

Plaquette amovible
Inserto

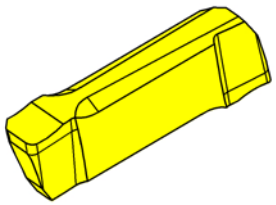
217







Côtes de dégagement de filetage
Forma gola di scarico per filettatura



R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	P	r	t_1	s	g_1	g_2	HIS	P20
R217.1050.17	0,5	0,2	0,35	1,7	1,25	1,6	21701	Δ
R217.1060.27	0,6	0,4	0,55	2,7	1,5	2,05	21702	Δ
R217.1070.27	0,7	0,4	0,6	2,7	1,75	2,35	21702	Δ
R217.1080.27	0,8	0,4	0,55	2,7	2	2,55	21702	Δ
R217.1100.37	1	0,6	0,9	3,7	2,5	3,4	21703	▲
R217.1150.53	1,5	0,8	1,2	5,3	3,8	5	21704	Δ
L217.1050.17	0,5	0,2	0,35	1,7	1,25	1,6	21701	Δ
L217.1060.27	0,6	0,4	0,55	2,7	1,5	2,05	21702	Δ
L217.1070.27	0,7	0,4	0,6	2,7	1,75	2,35	21702	Δ
L217.1080.27	0,8	0,4	0,55	2,7	2	2,55	21702	Δ
L217.1150.53	1,5	0,8	1,2	5,3	3,8	5	21704	Δ

P	●
M	-
K	-
N	-
S	-
H	-

Usinage extér.
Utilisez des plaquettes à droite avec des porte outils à droite et des plaquettes à gauche avec des porte outils à gauche.
Lavorazione esterna:
Utilizzare inserto destro su portainserto destro e inserto sinistro su portainserto sinistro.

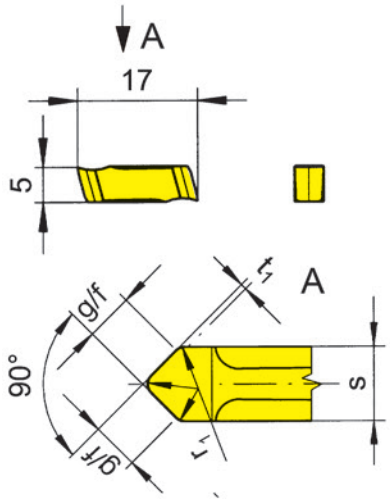
Usinage intér.
Utilisez des plaquettes à droite avec des porte outils à gauche et des plaquettes à gauche avec des porte outils à droite
Lavorazione interna:
Utilizzare inserto destro su portainserto sinistro e inserto sinistro su portainserto destro.

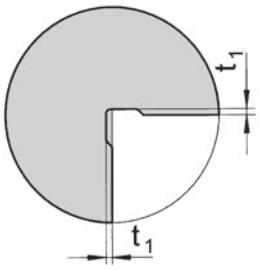
Gorge pour Filetage suivant DIN 76 forme B
Gole scarico filetto secondo DIN 76 forma B

Plaquette amovible
Inserto

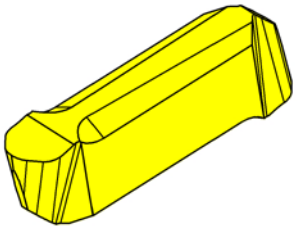
217







Côtes de dégagement de filetage
Forma gola di scarico per filettatura



Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

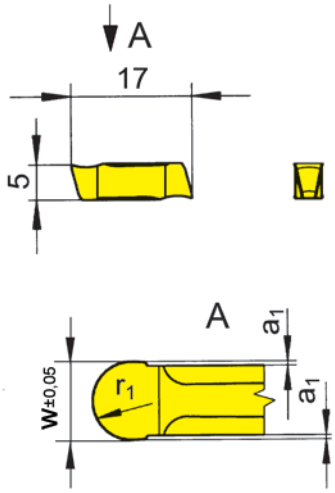
Numéro de commande Codice prodotto	r_1	D_{min}	t_1	s	g/f	HIS	P20	TN32
217.0602.24	0,6	20	0,2	2,4	1,7	21702	▲	▲
217.0603.33	0,6	23	0,3	3,3	2,3	21703	▲	
217.1002.30	1	22	0,2	3	2,1	21703	Δ	
217.1603.50	1,6	27	0,3	5	3,6	21704	Δ	

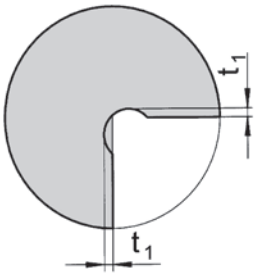
P	●	●
M	-	-
K	-	-
N	-	-
S	-	-
H	-	-

Dégagement suivant DIN 509 forme F
Scarico di rettifica simile a DIN 509 forma F

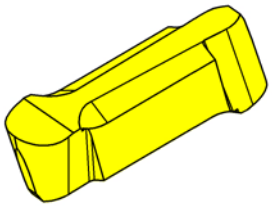
F







Côtes de dégagement de filetage
Forma gola di scarico per filettatura



F

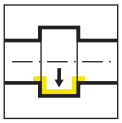
Nuance
Leghe

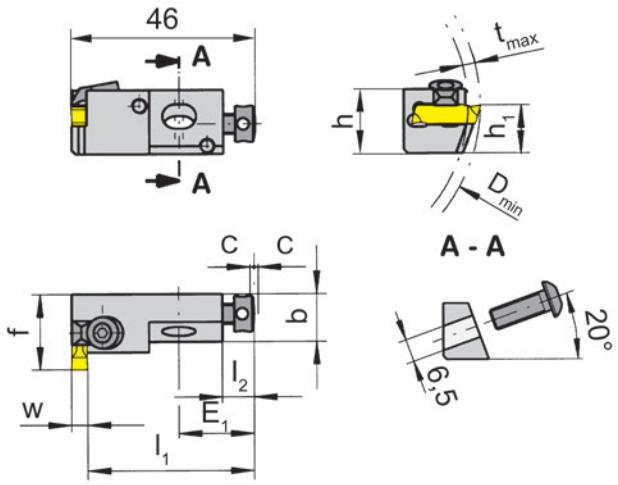
▲ en stock
a stock

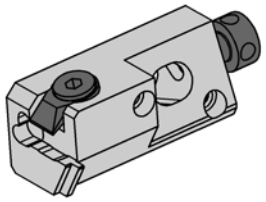
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r_1	a_1	D_{min}	t_1	HIS	K10	P20	TN35
217.0010.20	2	1	0,1	20	0,75	21702	▲	▲	▲
217.0015.30	3	1,5	0,1	20	1	21703	Δ	▲	▲
217.0020.40	4	2	0,1	20	1,25	21704		▲	▲
217.0025.50	5	2,5	0,1	20	1,5	21704	▲	▲	

P	●	●	●
M	o	-	●
K	●	-	●
N	●	-	●
S	o	-	●
H	-	-	-







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

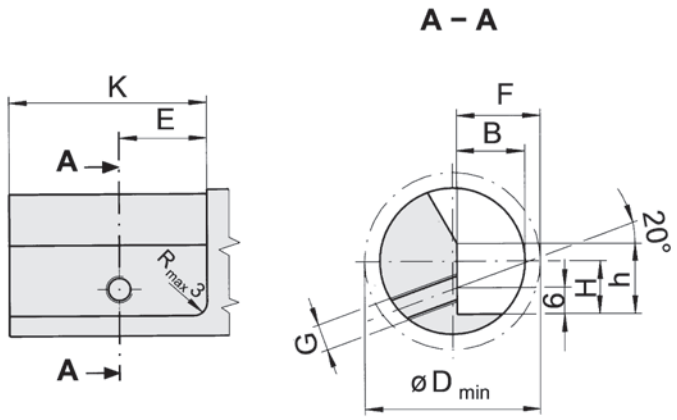
Numéro de commande Codice prodotto	h	b	h_1	f	l_1	E_1	l_2	C	D_{min}	t_{max}	HWS
R232.1212.01	16	12	12	19	44,4	19	8	1	40	3	21701
R232.1212.03	16	12	12	19	42,4	19	8	1	40	3	21703
R232.1212.04	16	12	12	19	40,7	19	8	1	40	3	21704

w voir plaquettes amovibles
w vd. inserti

Dimensions de logement voir pages suivantes
Per dimensioni sedi vedere pagine successive

Pièces Détachées
Ricambi

Cartouche Cartuccia	**Vis de serrage** Vite di serraggio	**Bride** Staffa
R232.1212....	**4.08.913**	**8.3**
R232.1212.04	**4.08.913**	**8.4**



F

Cartouche Cartucce	F	G	H	K	E	B	h	D_{min}	Plage de serrage Campo di serraggio
232.1212...	19	M6	12	45	20	15,5	16	40	6.20.232

224



G

Porte outils et plaquettes

Largeur de gorge 2 - 6 mm

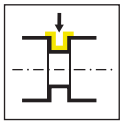
Portainserto e inserti

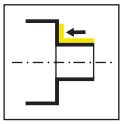
Larghezza della gola 2 - 6 mm

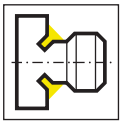
Gorge et Chariotage
Gole e Tornitura in passata

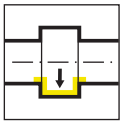
Géométries et avances
Geometrie e avanzamenti
Page/Pag. 148-152

Porte outils
Portainserto
H224/B224


Page/Pag. 153-163, 165-166, 168-171


Page/Pag. 164

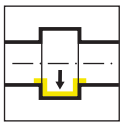

Page/Pag. 172


Page/Pag. 173-177

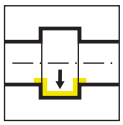

Page/Pag. 180-181

Informations techniques
Informazioni tecniche
Page/Pag. 167

Base de support
Attacco Base
B224


Page/Pag. 178

Cassette
Cartuccia
BK224


Page/Pag. 179

G

Plaquette amovible
Inserto
S224



Page/Pag.
182



Page/Pag.
183



Page/Pag.
184



Page/Pag.
185



Page/Pag.
186



Page/Pag.
187



Page/Pag.
188, 204



Page/Pag.
189



Page/Pag.
190



Page/Pag.
191



Page/Pag.
193



Page/Pag.
194



Page/Pag.
195



Page/Pag.
196



Page/Pag.
197



Page/Pag.
198



Page/Pag.
199



Page/Pag.
200



Page/Pag.
201



Page/Pag.
202



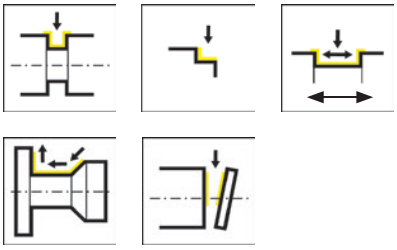
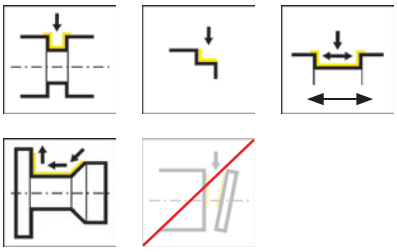
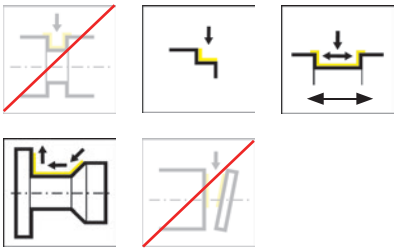
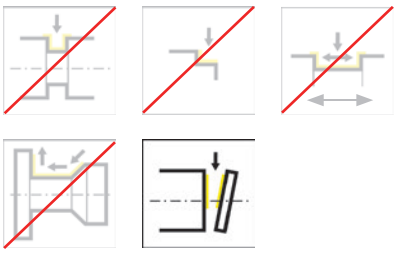
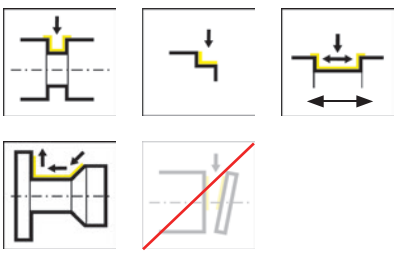
Page/Pag.
203

Plaquette de coupe
Inserto
S124



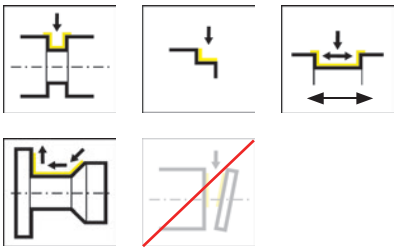
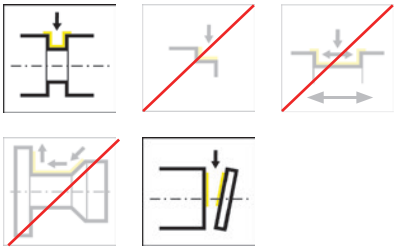
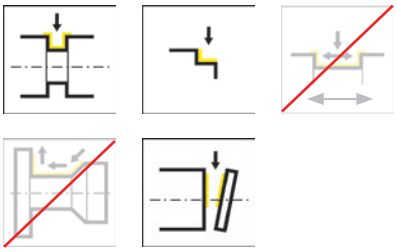
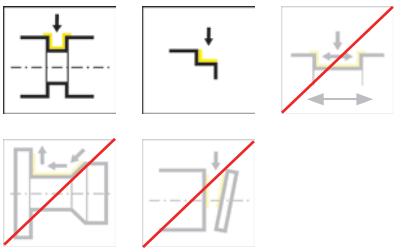
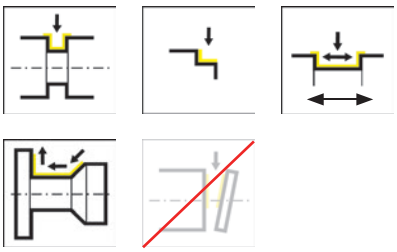
Page/Pag.
192

Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.3	P M K N S H	↓ 0,15-0,25 ↔ 0,15-0,40	
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
.A	P M K N S H	↓ 0,05-0,30 ↔ 0,10-0,30	
.C	P M K N S H	↓ 0,02-0,10	
.D	P M K N S H	↓ 0,03-0,15 ↔ 0,05-0,20	

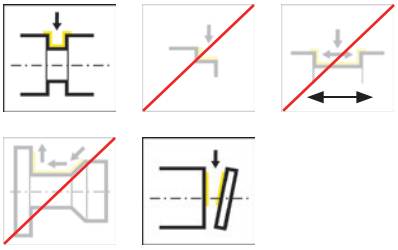
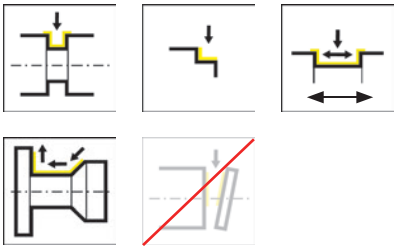
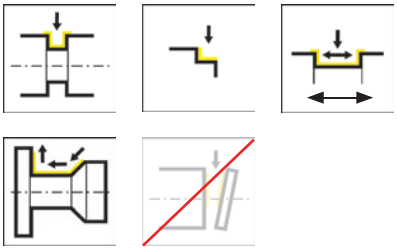
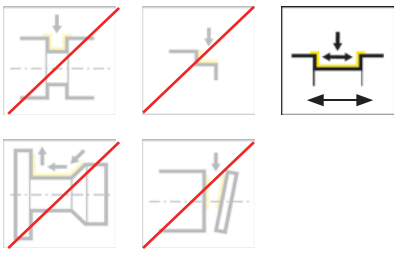
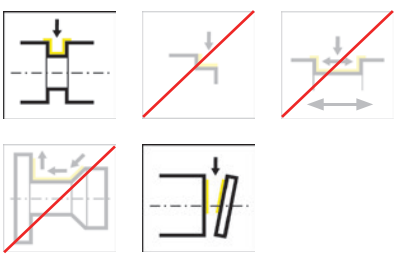
G

Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.ZG	P M K N S H	↓ 0,10-0,22 ↔ 0,05-0,20	
.3V	P M K N S H	↓ 0,05-0,20	
.EN	P M K N S H	↓ 0,10-0,45	
.H	P M K N S H	↓ 0,15-0,25 ↔ 0,10-0,25	
.L	P M K N S H	↓ 0,10-0,22 ↔ 0,05-0,20	

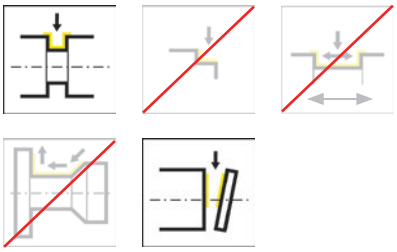
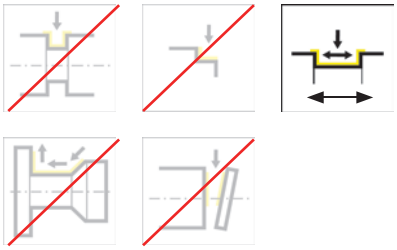
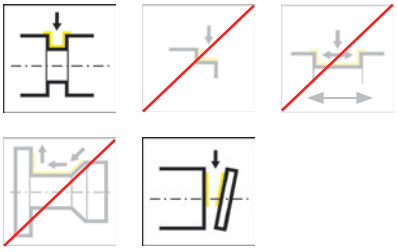
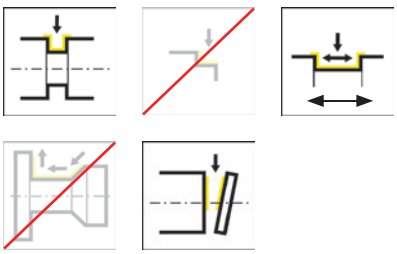
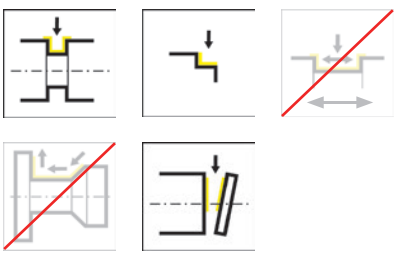
G

Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.WA	P M K N S H	↓ 0,07-0,25	
.K	P M K N S H	↓ 0,05-0,25 ↔ 0,05-0,25	
.KF	P M K N S H	↓ 0,10-0,45 ↔ 0,05-0,25	
.NC	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	
.E	P M K N S H	↓ 0,08-0,30	

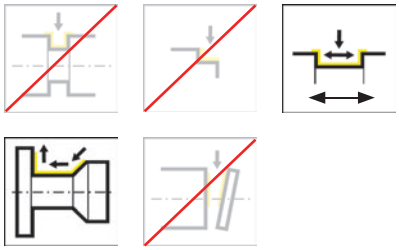
G

Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.F	P M K N S H	↓ 0,03-0,15	
.FB	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	
.FY	P M K N S H	↓ 0,03-0,15	
.WT	P M K N S H	↓ 0,06-0,08 ↔ 0,06-0,08	
.10	P M K N S H	↓ 0,05-0,15	

G

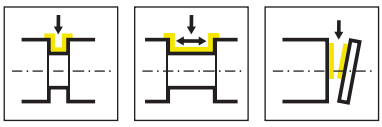
Géométries et avances
Geometrie e avanzamenti

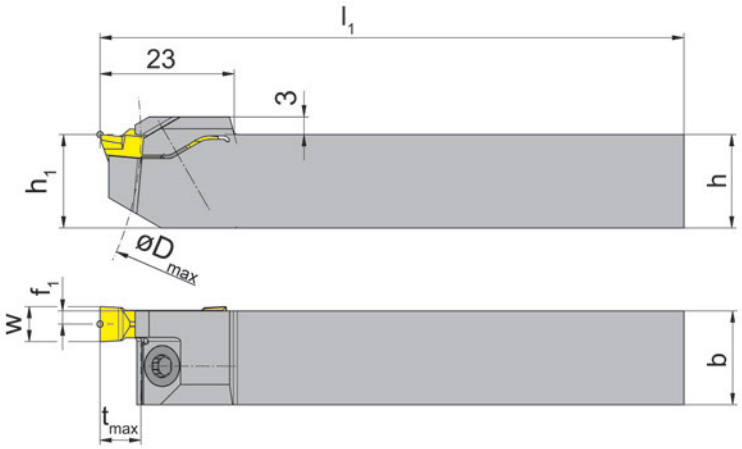
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.PT	P M K N S H	0,05-0,2	

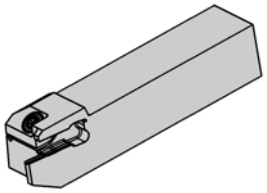
G

Porte outils
Portainserto

H224







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	D_{max}	w	HWS
RH224.1212.61	12	12	100	12	0,7	7	100	2	224018
RH224.1616.61	16	16	100	16	0,7	7	100	2	224018
RH224.2020.61	20	20	100	20	0,7	7	100	2	224018
RH224.1212.62	12	12	100	12	0,9	7	100	2,5	224028
RH224.1616.62	16	16	100	16	0,9	7	100	2,5	224028
RH224.1212.63	12	12	100	12	1,1	7	100	3	224038
RH224.1616.63	16	16	100	16	1,1	7	100	3	224038
RH224.2020.62	20	20	100	20	0,9	7	100	2,5	224028
RH224.1212.64	12	12	100	12	1,45	7	100	4	224048
RH224.1616.64	16	16	100	16	1,45	7	100	4	224048
RH224.2020.63	20	20	100	20	1,1	7	100	3	224038
RH224.2020.64	20	20	100	20	1,45	7	100	4	224048
LH224.1212.61	12	12	100	12	0,7	7	100	2	224018
LH224.1616.61	16	16	100	16	0,7	7	100	2	224018
LH224.2020.61	20	20	100	20	0,7	7	100	2	224018
LH224.1212.62	12	12	100	12	0,9	7	100	2,5	224028
LH224.1212.63	12	12	100	12	1,1	7	100	3	224038
LH224.2020.62	20	20	100	20	0,9	7	100	2,5	224028
LH224.1616.63	16	16	100	16	1,1	7	100	3	224038
LH224.1212.64	12	12	100	12	1,45	7	100	4	224048
LH224.1616.64	16	16	100	16	1,45	7	100	4	224048
LH224.2020.63	20	20	100	20	1,1	7	100	3	224038
LH224.2020.64	20	20	100	20	1,45	7	100	4	224048

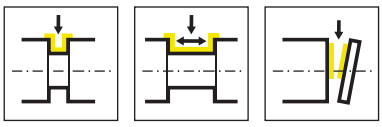
G

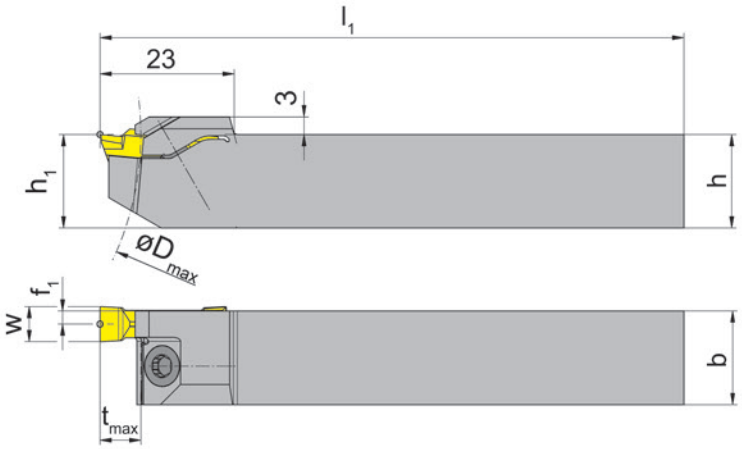
Pièces Détachées
Ricambi

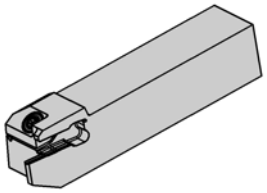
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**4.12T15EP**	**T15PL**

Porte outils
Portainserto

H224







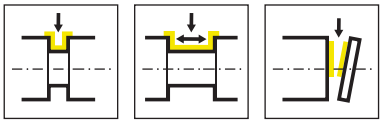
L = version à gauche représentée
L = versione sinistra come in figura

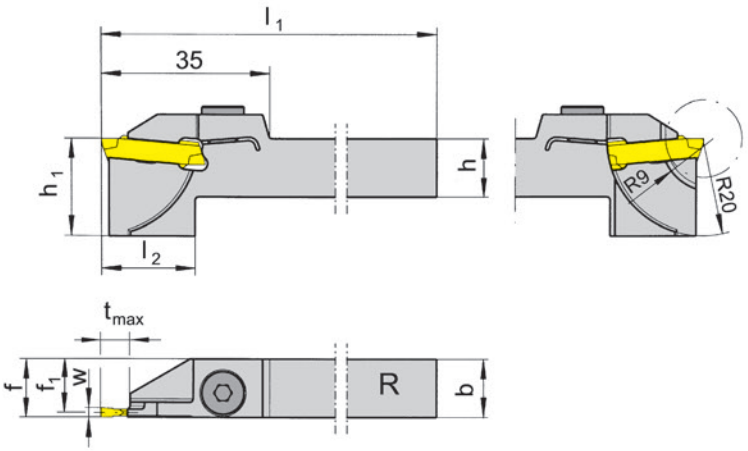
R = version à droite
R = versione destra a specchio

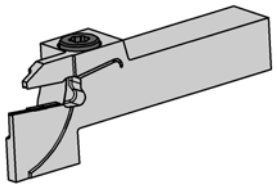
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	D_{max}	w	HWS
RH224.2020.65	20	20	100	20	1,85	7	100	5	224058
RH224.1616.65	16	16	100	16	1,85	7	100	5	224058
RH224.2020.66	20	20	100	20	2,25	7	100	6	224068
RH224.1616.66	16	20	125	20	2,25	7	100	6	224068
LH224.2020.65	20	20	100	20	1,85	7	100	5	224058
LH224.1616.65	16	16	100	16	1,85	7	100	5	224058
LH224.2020.66	20	20	100	20	2,25	7	100	6	224068
LH224.1616.66	16	16	100	16	2,25	7	100	6	224068

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**5.13T20EP**	**T20PQ**







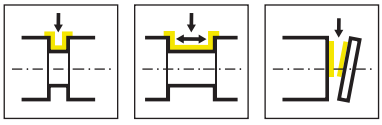
R = version à droite représentée
R = versione destra come in figura

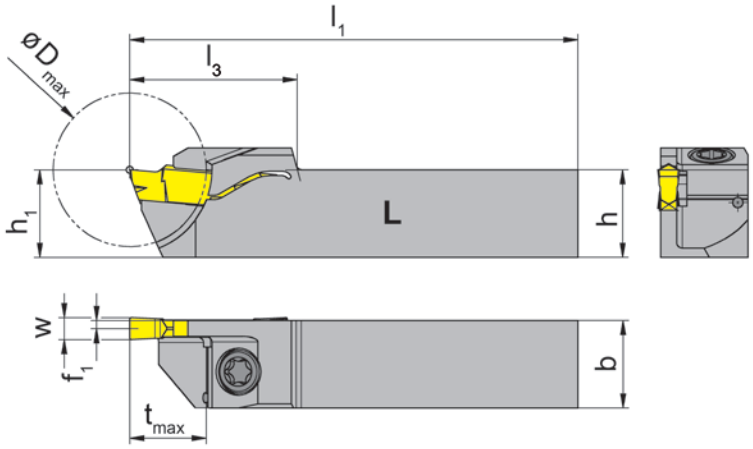
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	w	HWS
RH224.1212.81	12	12	95	19,5	20	11,1	f_1+w/2	8,2	2	224018

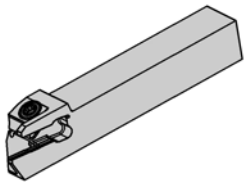
G

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RH224.1212.81	**6.17T25P**	**T25PQ**







L = version à gauche représentée
L = versione sinistra come in figura

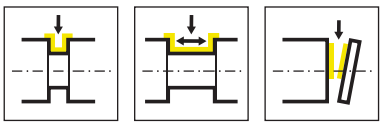
R = version à droite
R = versione destra a specchio

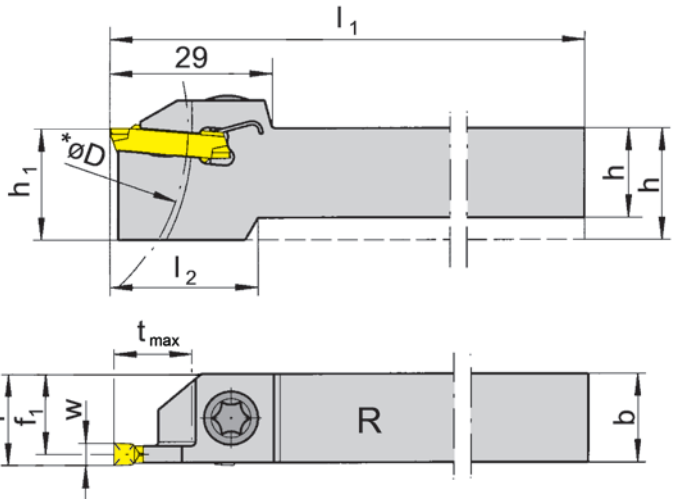
Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	f_1	t_{max}	D_{max}	w	HWS
RH224.1212.20.61	12	12	100	23	12	0,7	10,5	21	2	224018
RH224.1212.20.62	12	12	100	23	12	0,9	10,5	21	2,5	224028
RH224.1212.20.63	12	12	100	23	12	1,1	10,5	21	3	224038
LH224.1212.20.61	12	12	100	23	12	0,7	10,5	21	2	224018
LH224.1212.20.62	12	12	100	23	12	0,9	10,5	21	2,5	224028
LH224.1212.20.63	12	12	100	23	12	1,1	10,5	21	3	224038

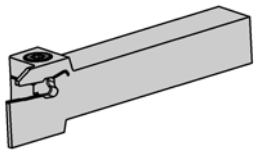
G

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**4.12T15EP**	**T15PQ**







R = version à droite représentée
R = versione destra come in figura

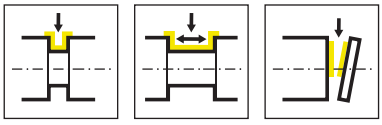
L = version à gauche
L = versione sinistra a specchio

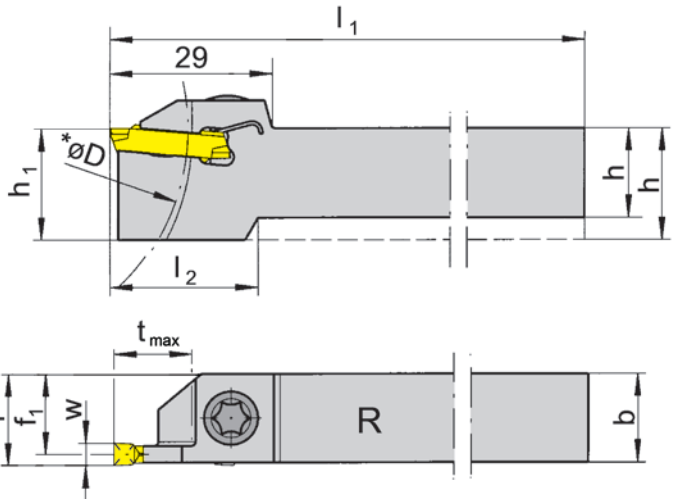
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1616.01	16	16	125	25	20	15,3	f_1+w/2	14	80	2	224018
RH224.2020.01	20	20	125	-	20	19,3	f_1+w/2	14	80	2	224018
RH224.2525.01	25	25	150	-	25	24,3	f_1+w/2	14	80	2	224018
RH224.1616.02	16	16	125	25	20	15,1	f_1+w/2	14	80	2,5	224028
RH224.2020.02	20	20	125	-	20	19,1	f_1+w/2	14	80	2,5	224028
RH224.2525.02	25	25	150	-	25	24,1	f_1+w/2	14	80	2,5	224028
RH224.1616.03	16	16	125	25	20	14,9	f_1+w/2	14	80	3	224038
RH224.2020.03	20	20	125	-	20	18,9	f_1+w/2	14	80	3	224038
RH224.2525.03	25	25	150	-	25	23,9	f_1+w/2	14	80	3	224038
LH224.1616.01	16	16	125	25	20	15,3	f_1+w/2	14	80	2	224018
LH224.2020.01	20	20	125	-	20	19,3	f_1+w/2	14	80	2	224018
LH224.2525.01	25	25	150	-	25	24,3	f_1+w/2	14	80	2	224018
LH224.1616.02	16	16	125	25	20	15,1	f_1+w/2	14	80	2,5	224028
LH224.2020.02	20	20	125	-	20	19,1	f_1+w/2	14	80	2,5	224028
LH224.2525.02	25	25	150	-	25	24,1	f_1+w/2	14	80	2,5	224028
LH224.1616.03	16	16	125	25	20	14,9	f_1+w/2	14	80	3	224038
LH224.2020.03	20	20	125	-	20	18,9	f_1+w/2	14	80	3	224038
LH224.2525.03	25	25	150	-	25	23,9	f_1+w/2	14	80	3	224038

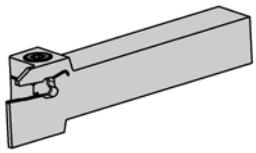
G

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**6.23T25P**	**T25PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

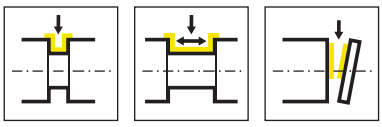
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1616.04	16	16	125	25	20	14,55	f_1+w/2	14	80	4	224048
RH224.2020.04	20	20	125	-	20	18,55	f_1+w/2	14	80	4	224048
RH224.2525.04	25	25	150	-	25	23,55	f_1+w/2	14	80	4	224048
RH224.1616.05	16	16	125	-	20	18,15	f_1+w/2	14	80	5	224058
RH224.2020.05	20	20	125	-	20	18,15	f_1+w/2	14	80	5	224058
RH224.2525.05	25	25	150	-	25	23,15	f_1+w/2	14	80	5	224058
RH224.2020.06	20	20	125	-	20	17,75	f_1+w/2	14	80	6	224068
RH224.2525.06	25	25	150	-	25	22,75	f_1+w/2	14	80	6	224068
LH224.1616.04	16	16	125	25	20	14,55	f_1+w/2	14	80	4	224048
LH224.2020.04	20	20	125	-	20	18,55	f_1+w/2	14	80	4	224048
LH224.2525.04	25	25	150	-	25	23,55	f_1+w/2	14	80	4	224048
LH224.1616.05	16	16	125	-	20	18,15	f_1+w/2	14	80	5	224058
LH224.2020.05	20	20	125	-	20	18,15	f_1+w/2	14	80	5	224058
LH224.2525.05	25	25	150	-	25	23,15	f_1+w/2	14	80	5	224058
LH224.2020.06	20	20	125	-	20	17,75	f_1+w/2	14	80	6	224068
LH224.2525.06	25	25	150	-	25	22,75	f_1+w/2	14	80	6	224068

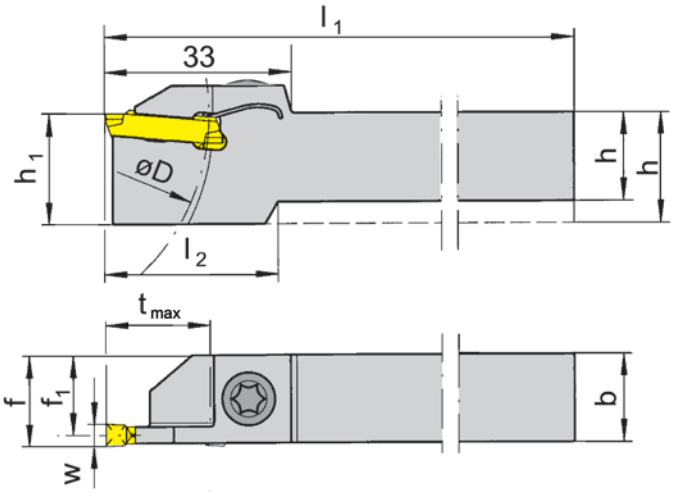
Pièces Détachées
Ricambi

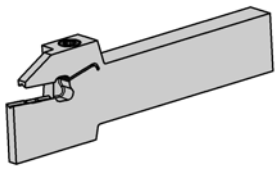
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**6.23T25P**	**T25PQ**

Porte outils
Portainserto

H224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1616.21	16	16	125	30	20	15,3	f_1+w/2	18	80	2	224018
RH224.1212.21	12	12	125	33	20	11,3	f_1+w/2	18	80	2	224018
RH224.2020.21	20	20	125	-	20	19,3	f_1+w/2	18	80	2	224018
RH224.2525.21	25	25	150	-	25	24,3	f_1+w/2	18	80	2	224018
RH224.1608.02	16	8	100	30	20	7,1	f_1+w/2	14	80	2,5	224028
RH224.1616.22	16	16	125	30	20	15,1	f_1+w/2	18	80	2,5	224028
RH224.2020.22	20	20	125	-	20	19,1	f_1+w/2	18	80	2,5	224028
RH224.2525.22	25	25	150	-	25	24,1	f_1+w/2	18	80	2,5	224028
RH224.1212.22	12	12	125	33	20	11,1	f_1+w/2	18	80	2,5	224028
RH224.1608.23	16	8	100	30	20	6,9	f_1+w/2	18	80	3	224038
RH224.1616.23	16	16	125	30	20	14,9	f_1+w/2	18	80	3	224038
RH224.2020.23	20	20	125	-	20	18,9	f_1+w/2	18	80	3	224038
RH224.2525.23	25	25	150	-	25	23,9	f_1+w/2	18	80	3	224038
RH224.1212.23	12	12	125	33	20	10,9	f_1+w/2	18	80	3	224038
LH224.1212.21	12	12	125	33	20	11,3	f_1+w/2	18	80	2	224018
LH224.1616.21	16	16	125	30	20	15,3	f_1+w/2	18	80	2	224018
LH224.2020.21	20	20	125	-	20	19,3	f_1+w/2	18	80	2	224018
LH224.2525.21	25	25	150	-	25	24,3	f_1+w/2	18	80	2	224018
LH224.1616.22	16	16	125	30	20	15,1	f_1+w/2	18	80	2,5	224028
LH224.2020.22	20	20	125	-	20	19,1	f_1+w/2	18	80	2,5	224028
LH224.1212.22	12	12	125	33	20	11,1	f_1+w/2	18	80	2,5	224028
LH224.2525.22	25	25	150	-	25	24,1	f_1+w/2	18	80	2,5	224028
LH224.1608.23	16	8	100	30	20	6,9	f_1+w/2	18	80	3	224038
LH224.1616.23	16	16	125	30	20	14,9	f_1+w/2	18	80	3	224038
LH224.2020.23	20	20	125	-	20	18,9	f_1+w/2	18	80	3	224038
LH224.2525.23	25	25	150	-	25	23,9	f_1+w/2	18	80	3	224038
LH224.1212.23	12	12	125	33	20	10,9	f_1+w/2	18	80	3	224038

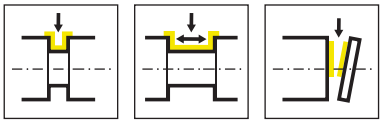
Pièces Détachées
Ricambi

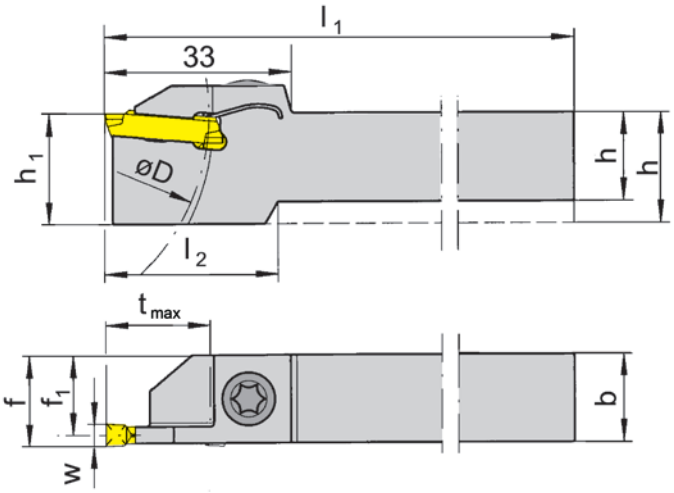
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**6.23T25P**	**T25PQ**
RH224.1608.02/23	**4.15T15P**	**T15PQ**

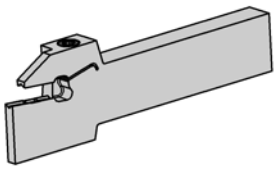
G

Porte outils
Portainserto

H224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

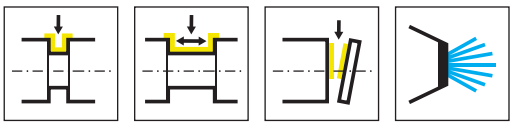
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1616.24	16	16	125	30	20	14,55	f_1+w/2	18	80	4	224048
RH224.2020.24	20	20	125	-	20	18,55	f_1+w/2	18	80	4	224048
RH224.2525.24	25	25	150	-	25	23,5	f_1+w/2	18	80	4	224048
RH224.1616.25	16	16	125	30	20	14,15	f_1+w/2	18	80	5	224058
RH224.2020.25	20	20	125	-	20	18,15	f_1+w/2	18	80	5	224058
RH224.2525.25	25	25	150	-	25	23,15	f_1+w/2	18	80	5	224058
RH224.1616.26	16	16	125	30	20	13,75	f_1+w/2	18	80	6	224068
RH224.2020.26	20	20	125	-	20	17,75	f_1+w/2	18	80	6	224068
RH224.2525.26	25	25	150	-	25	22,75	f_1+w/2	18	80	6	224068
LH224.1608.24	16	8	100	-	16	6,55	f_1+w/2	18	80	4	224048
LH224.1616.24	16	16	125	30	20	14,55	f_1+w/2	18	80	4	224048
LH224.2020.24	20	20	125	-	20	18,55	f_1+w/2	18	80	4	224048
LH224.2525.24	25	25	150	-	25	23,55	f_1+w/2	18	80	4	224048
LH224.1616.25	16	16	125	30	20	14,15	f_1+w/2	18	80	5	224058
LH224.2020.25	20	20	125	-	20	18,15	f_1+w/2	18	80	5	224058
LH224.2525.25	25	25	150	-	25	23,15	f_1+w/2	18	80	5	224058
LH224.1616.26	16	16	125	30	20	13,75	f_1+w/2	18	80	6	224068
LH224.2020.26	20	20	125	-	20	17,75	f_1+w/2	18	80	6	224068
LH224.2525.26	25	25	150	-	25	22,75	f_1+w/2	18	80	6	224068

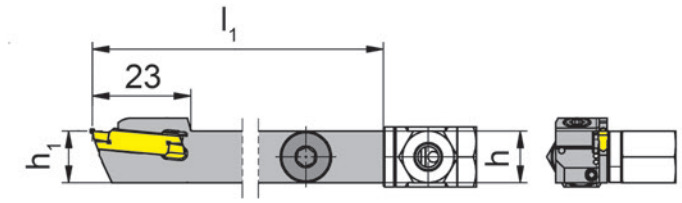
Pièces Détachées
Ricambi

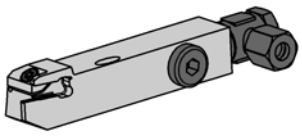
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LH224.1608.24	**4.15T15P**	**T15PQ**
R/LH224...	**6.23T25P**	**T25PQ**

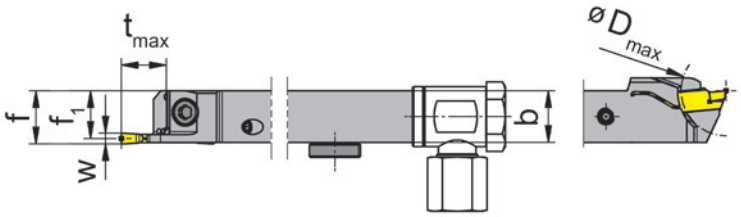
Porte outils
Portainserto

H224









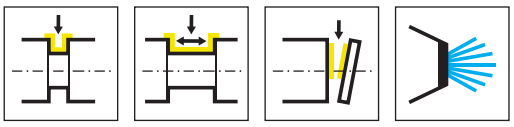
R = version à droite représentée
R = versione destra come in figura

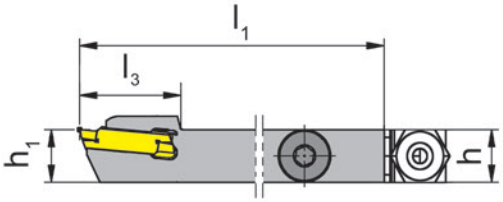
L = version à gauche
L = versione sinistra a specchio

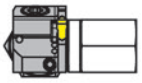
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1212.61.IK	12	12	100	12	0,7	f_1+w/2	7	100	2	224018
RH224.1616.61.IK	16	16	100	16	0,7	f_1+w/2	7	100	2	224018
RH224.2020.61.IK	20	20	100	20	0,7	f_1+w/2	7	100	2	224018
RH224.1212.62.IK	12	12	100	12	0,9	f_1+w/2	7	100	2,5	224028
RH224.1616.62.IK	16	16	100	16	0,9	f_1+w/2	7	100	2,5	224028
RH224.2020.62.IK	20	20	100	20	0,9	f_1+w/2	7	100	2,5	224028
RH224.1212.63.IK	12	12	100	12	1,1	f_1+w/2	7	100	3	224038
RH224.1616.63.IK	16	16	100	16	1,1	f_1+w/2	7	100	3	224038
RH224.2020.63.IK	20	20	100	20	1,1	f_1+w/2	7	100	3	224038
RH224.1616.64.IK	16	16	100	16	1,45	f_1+w/2	7	100	4	224048
RH224.2020.64.IK	20	20	100	20	1,45	f_1+w/2	7	100	4	224048
LH224.1212.61.IK	12	12	100	12	0,7	f_1+w/2	7	100	2	224018
LH224.1616.61.IK	16	16	100	16	0,7	f_1+w/2	7	100	2	224018
LH224.2020.61.IK	20	20	100	20	0,7	f_1+w/2	7	100	2	224018
LH224.1616.62.IK	16	16	100	16	0,9	f_1+w/2	7	100	2,5	224028
LH224.2020.62.IK	20	20	100	20	0,9	f_1+w/2	7	100	2,5	224028
LH224.1212.63.IK	12	12	100	12	1,1	f_1+w/2	7	100	3	224038
LH224.1616.63.IK	16	16	100	16	1,1	f_1+w/2	7	100	3	224038
LH224.2020.63.IK	20	20	100	20	1,1	f_1+w/2	7	100	3	224038
LH224.1616.64.IK	16	16	100	16	1,45	f_1+w/2	7	100	4	224048
LH224.2020.64.IK	20	20	100	20	1,45	f_1+w/2	7	100	4	224048

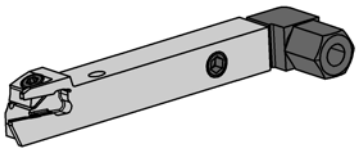
Pièces Détachées
Ricambi

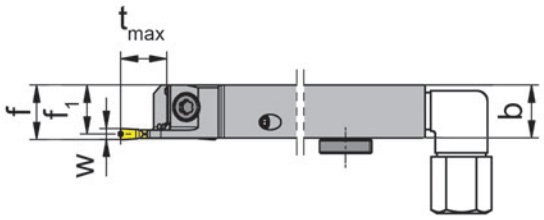
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Arrosage** Lubrificazione	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH224.1212...	**4.12T15EP**	**004.00.22**	**T15PQ**	
R/LH224...	**4.12T15EP**	**004.00.16**	**T15PQ**	**004.00.26**

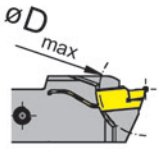












R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1212.20.61.IK	12	12	100	23	12	0,7	f_1+w/2	10,5	21	2	224018
RH224.1212.20.62.IK	12	12	100	23	12	0,9	f_1+w/2	10,5	21	2,5	224028
RH224.1212.20.63.IK	12	12	100	23	12	1,1	f_1+w/2	10,5	21	3	224038
LH224.1212.20.61.IK	12	12	100	23	12	0,7	f_1+w/2	10,5	21	2	224018
LH224.1212.20.63.IK	12	12	100	23	12	1,1	f_1+w/2	10,5	21	3	224038

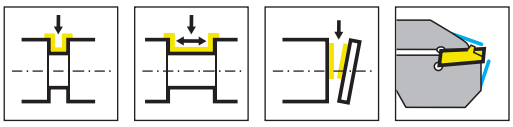
G

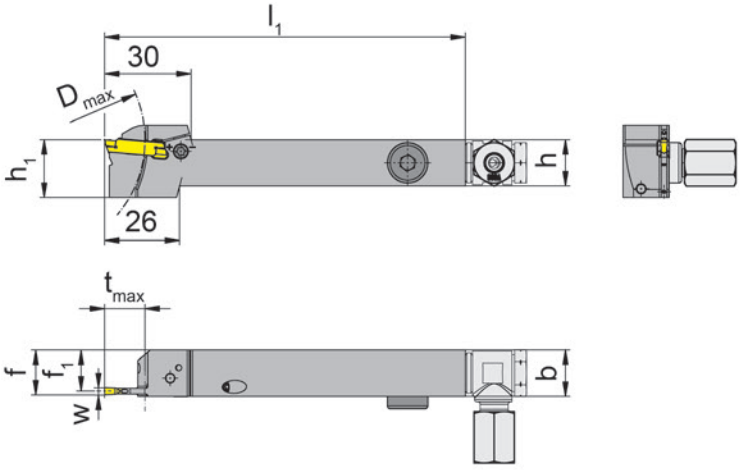
Pièces Détachées
Ricambi

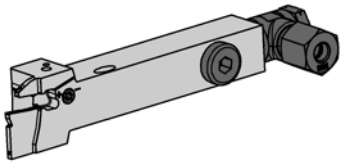
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Arrosage** Lubrificazione	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**4.12T15EP**	**004.00.22**	**T15PL**

Porte outils
Portainserto

H224



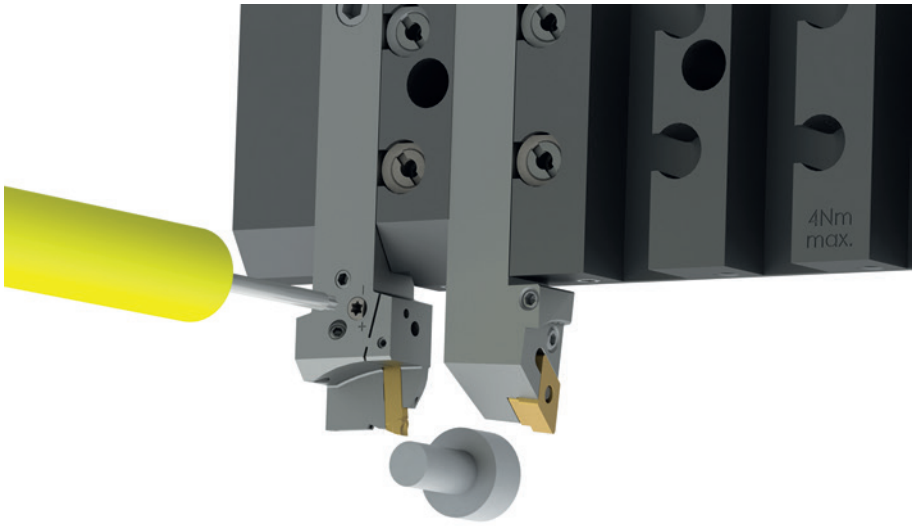




R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	f	D_{max}	t_{max}	w	HWS
RH224.1616.05.62.IK	16	16	125	16	14,2	f_1+w/2	80	14	2,5	224028
RH224.1616.05.63.IK	16	16	125	16	14,2	f_1+w/2	80	14	3	224038
LH224.1616.05.62.IK	16	16	125	16	14,2	f_1+w/2	80	14	2,5	224028
LH224.1616.05.63.IK	16	16	125	16	14,2	f_1+w/2	80	14	3	224038

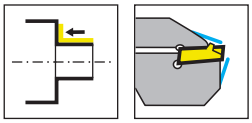


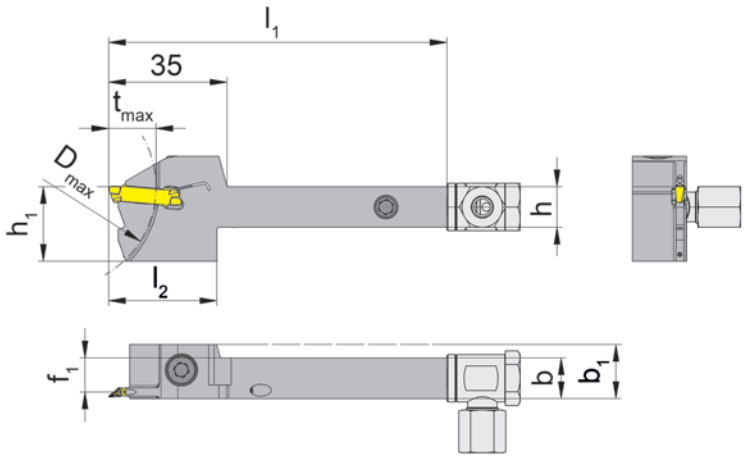
Pièces Détachées
Ricambi

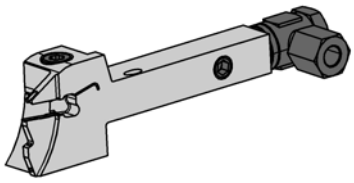
Porte outils Portainserto	**Arrosage** Lubrificazione	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH224...	**004.00.16**	**T15PL**	**004.00.26**

Porte outils
Portainserto

H224







R = version à droite représentée
R = versione destra come in figura

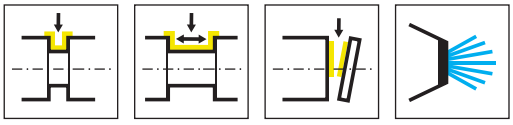
L = version à gauche représentée
L = versione sinistra come in figura

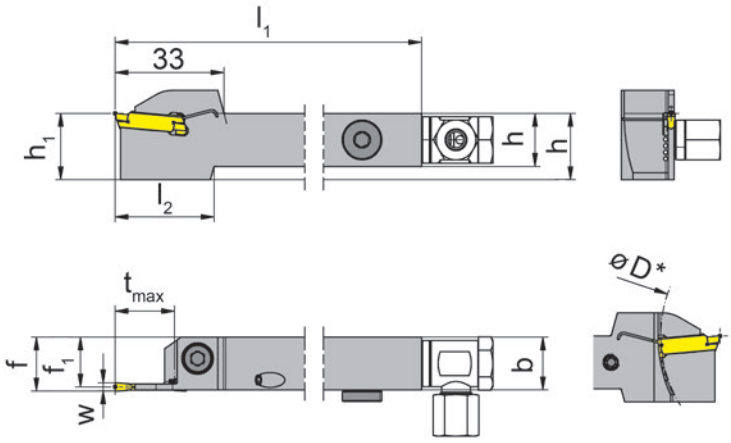
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	b_1	f_1	D_{max}	t_{max}	w	HWS
RH224.1212.S.6.03.IK	12	12	100	32	22	16	10,05	60	14	3	224038
RH224.1616.S.6.03.IK	16	16	125	29	25	16	14,05	60	14	3	224038
LH224.1212.S.6.03.IK	12	12	100	32	22	16	10,05	60	14	3	224038
LH224.1616.S.6.03.IK	16	16	125	29	25	16	14,05	60	14	3	224038

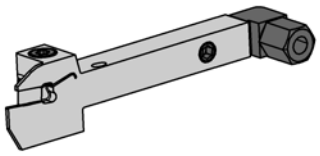
G

Pièces Détachées
Ricambi

Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH224.1212.S.6.03.IK	**004.00.22**	**6.23T25P**	**T25PQ**	
R/LH224.1616.S.6.03.IK	**004.00.16**	**6.23T25P**	**T25PQ**	**004.00.26**







R = version à droite représentée
R = versione destra come in figura

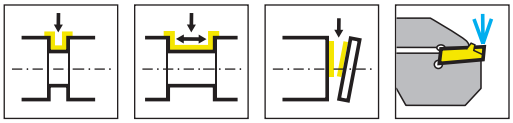
L = version à gauche
L = versione sinistra a specchio

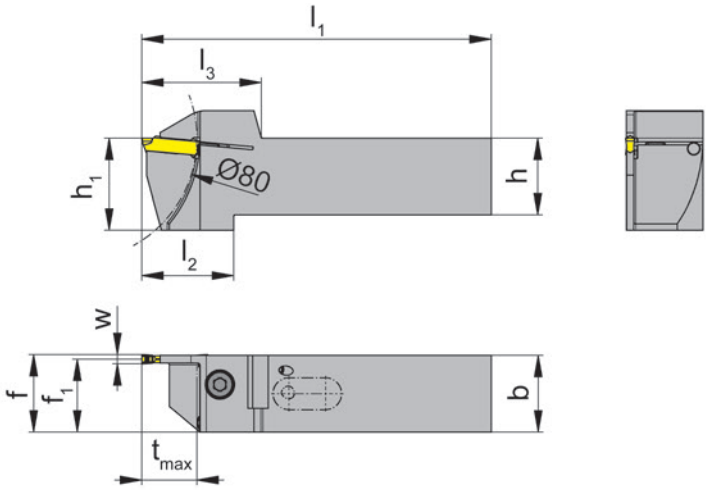
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1212.21.IK	12	12	125	33	20	11,3	f_1+w/2	18	80	2	224018
RH224.1212.23.IK	12	12	125	33	20	10,9	f_1+w/2	18	80	3	224038
LH224.1212.21.IK	12	12	125	33	20	11,3	f_1+w/2	18	80	2	224018
LH224.1212.22.IK	12	12	125	33	20	11,1	f_1+w/2	18	80	2,5	224028
LH224.1212.23.IK	12	12	125	33	20	10,9	f_1+w/2	18	80	3	224038

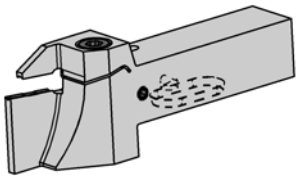
G

Pièces Détachées
Ricambi

Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224.1212....	**004.00.22**	**6.23T25P**	**T25PQ**







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	w	HWS
RH224.1616.3.23.IK	16	16	87	33	39	25	14,75	f_1+w/2	18	3	224039
RH224.2020.3.23.IK	20	20	99	30	39	25	18,75	f_1+w/2	18	3	224039
RH224.2525.3.23.IK	25	25	114	30	39	30	23,75	f_1+w/2	18	3	224039
LH224.1616.3.23.IK	16	16	87	33	39	25	14,75	f_1+w/2	18	3	224039
LH224.2020.3.23.IK	20	20	99	30	39	25	18,75	f_1+w/2	18	3	224039
LH224.2525.3.23.IK	25	25	114	30	39	30	23,75	f_1+w/2	18	3	224039

G

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**6.23T25P**	**T25PQ**

Codification des porte-outils:

RH224.2020.18.0A.05.IK

- Réfrigération
- Largeur de gorge de la plaquette
- Version porte-outils
- Profondeur de coupe max. du porte-outils
- Dimensions du corps
- Système d'outils
- Version du porte-outils → droite (R) ou gauche (L)

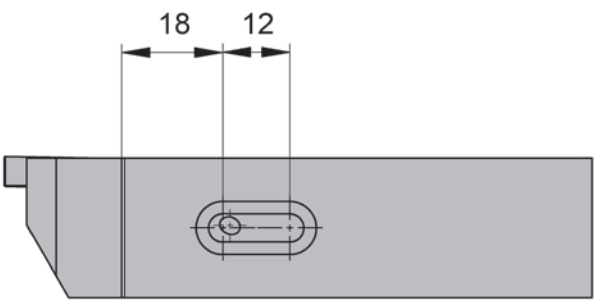
Codice del portainserto:

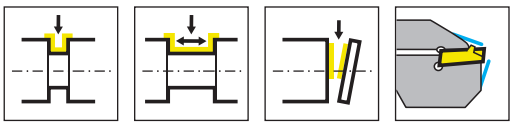
RH224.2020.18.0A.05.IK

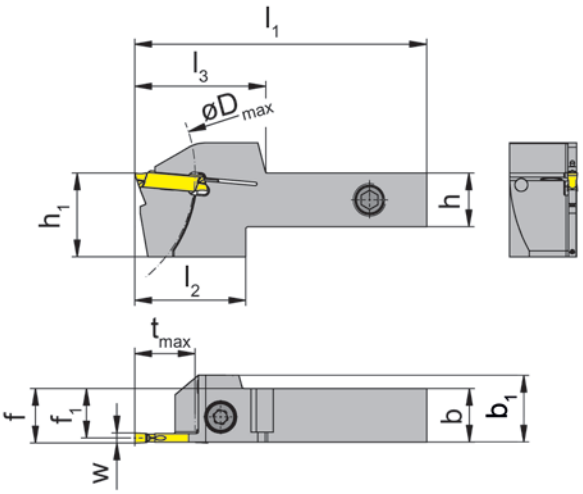
- Refrigerante
- Larghezza della gola dell'inserto
- Versione del portainserto
- Profondità di taglio massima del portainserto
- Dimensioni dell'attacco
- Sistema di utensili
- Tipo di portainserto → R destro (Right) o L sinistro (Left)

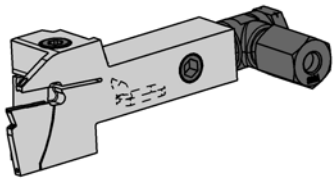
Position du passage du liquide de coupe

Posizione dell'asola adduzione refrigerante









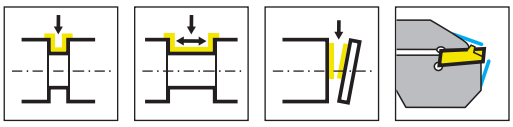
Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	b_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1616.14.0A.02.IK	16	16	83	29	35	25	20	15,2	f_1+w/2	14	80	2	224018
RH224.2020.14.0A.02.IK	20	20	98	29	35	25	-	19,2	f_1+w/2	14	80	2	224018
RH224.2525.14.0A.02.IK	25	25	113	29	35	30	-	24,2	f_1+w/2	14	80	2	224018
RH224.1616.14.0A.25.IK	16	16	83	29	35	25	20	14,95	f_1+w/2	14	80	2,5	224028
RH224.2020.14.0A.25.IK	20	20	98	29	35	25	-	18,95	f_1+w/2	14	80	2,5	224028
RH224.2525.14.0A.25.IK	25	25	113	29	35	30	-	23,95	f_1+w/2	14	80	2,5	224028
RH224.1616.14.0A.03.IK	16	16	83	29	35	25	20	14,75	f_1+w/2	14	80	3	224038
RH224.2020.14.0A.03.IK	20	20	98	29	35	25	-	18,75	f_1+w/2	14	80	3	224038
RH224.2525.14.0A.03.IK	25	25	113	29	35	30	-	23,75	f_1+w/2	14	80	3	224038
LH224.1616.14.0A.02.IK	16	16	83	29	35	25	20	15,2	f_1+w/2	14	80	2	224018
LH224.2020.14.0A.02.IK	20	20	98	29	35	25	-	19,2	f_1+w/2	14	80	2	224018
LH224.2525.14.0A.02.IK	25	25	113	29	35	30	-	24,2	f_1+w/2	14	80	2	224018
LH224.1616.14.0A.25.IK	16	16	83	29	35	25	20	14,95	f_1+w/2	14	80	2,5	224028
LH224.2020.14.0A.25.IK	20	20	98	29	35	25	-	18,95	f_1+w/2	14	80	2,5	224028
LH224.2525.14.0A.25.IK	25	25	113	29	35	30	-	23,95	f_1+w/2	14	80	2,5	224028
LH224.1616.14.0A.03.IK	16	16	83	29	35	25	20	14,75	f_1+w/2	14	80	3	224038
LH224.2020.14.0A.03.IK	20	20	98	29	35	25	-	18,75	f_1+w/2	14	80	3	224038
LH224.2525.14.0A.03.IK	25	25	113	29	35	30	-	23,75	f_1+w/2	14	80	3	224038

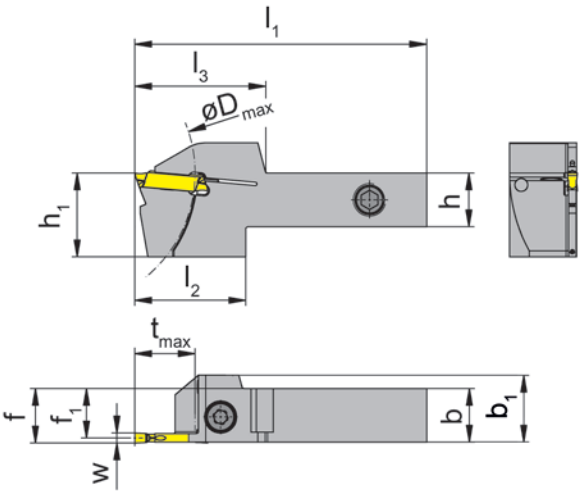
Pièces Détachées
Ricambi

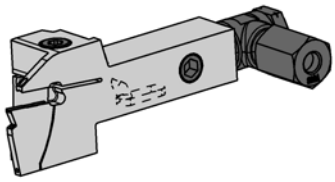
Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**004.00.16**	**6.23T25P**	**T25PQ**

Porte outils
Portainserto

H224





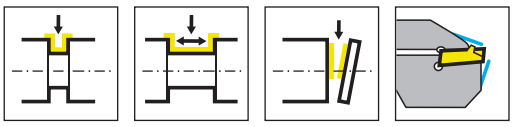


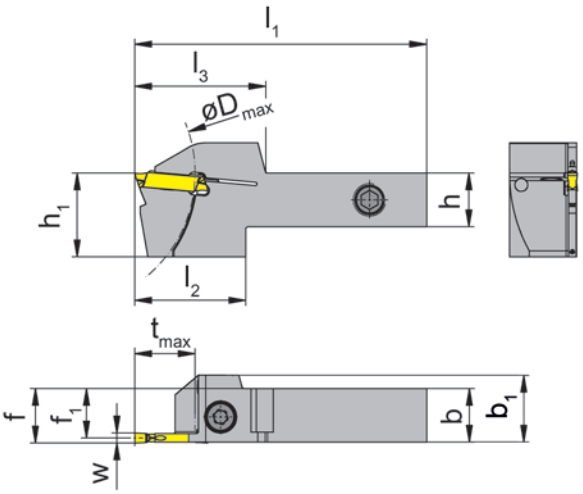
Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	b_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1616.14.0A.04.IK	16	16	83	29	35	25	20	14,3	f_1+w/2	14	80	4	224048
RH224.2020.14.0A.04.IK	20	20	98	29	35	25	-	18,3	f_1+w/2	14	80	4	224048
RH224.2525.14.0A.04.IK	25	25	113	29	35	30	-	23,3	f_1+w/2	14	80	4	224048
RH224.1616.14.0A.05.IK	16	16	83	29	35	25	20	13,95	f_1+w/2	14	80	5	224058
RH224.2020.14.0A.05.IK	20	20	98	29	35	25	-	17,95	f_1+w/2	14	80	5	224058
RH224.2525.14.0A.05.IK	25	25	113	29	35	30	-	22,95	f_1+w/2	14	80	5	224058
RH224.1616.14.0A.06.IK	16	16	83	29	35	25	20	13,6	f_1+w/2	14	80	6	224068
RH224.2020.14.0A.06.IK	20	20	98	29	35	25	-	17,6	f_1+w/2	14	80	6	224068
RH224.2525.14.0A.06.IK	25	25	113	29	35	30	-	22,6	f_1+w/2	14	80	6	224068
LH224.1616.14.0A.04.IK	16	16	83	29	35	25	20	14,3	f_1+w/2	14	80	4	224048
LH224.2020.14.0A.04.IK	20	20	98	29	35	25	-	18,3	f_1+w/2	14	80	4	224048
LH224.2525.14.0A.04.IK	25	25	113	29	35	30	-	23,3	f_1+w/2	14	80	4	224048
LH224.1616.14.0A.05.IK	16	16	83	29	35	25	20	13,95	f_1+w/2	14	80	5	224058
LH224.2020.14.0A.05.IK	20	20	98	29	35	25	-	17,95	f_1+w/2	14	80	5	224058
LH224.2525.14.0A.05.IK	25	25	113	29	35	30	-	22,95	f_1+w/2	14	80	5	224058
LH224.1616.14.0A.06.IK	16	16	83	29	35	25	20	13,6	f_1+w/2	14	80	6	224068
LH224.2020.14.0A.06.IK	20	20	98	29	35	25	-	17,6	f_1+w/2	14	80	6	224068
LH224.2525.14.0A.06.IK	25	25	113	29	35	30	-	22,6	f_1+w/2	14	80	6	224068

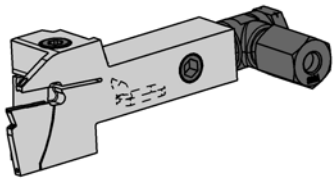
G

Pièces Détachées
Ricambi

Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**004.00.16**	**6.23T25P**	**T25PQ**



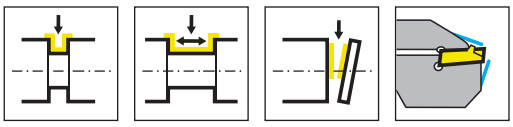


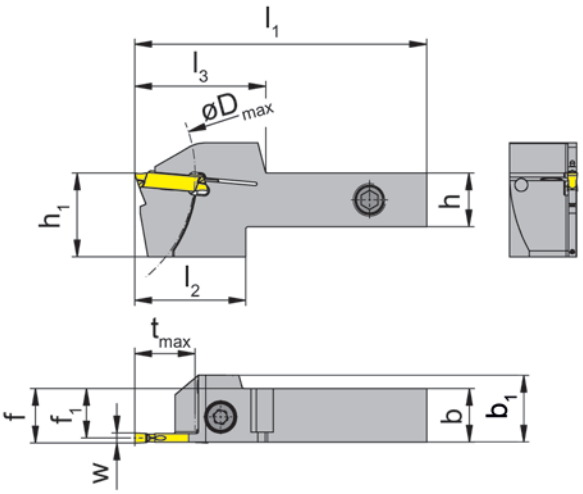


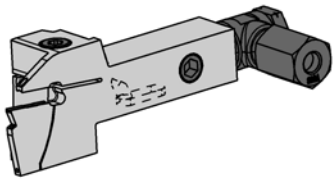
Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	b_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1616.18.0A.02.IK	16	16	87	33	39	25	20	15,2	f_1+w/2	18	80	2	224018
RH224.2020.18.0A.02.IK	20	20	102	33	39	25	-	19,2	f_1+w/2	18	80	2	224018
RH224.2525.18.0A.02.IK	25	25	117	33	39	30	-	24,2	f_1+w/2	18	80	2	224018
RH224.1616.18.0A.25.IK	16	16	87	33	39	25	20	14,95	f_1+w/2	18	80	2,5	224028
RH224.2020.18.0A.25.IK	20	20	102	33	39	25	-	18,95	f_1+w/2	18	80	2,5	224028
RH224.2525.18.0A.25.IK	25	25	117	33	39	30	-	23,95	f_1+w/2	18	80	2,5	224028
RH224.1616.18.0A.03.IK	16	16	87	33	39	25	20	14,75	f_1+w/2	18	80	3	224038
RH224.2020.18.0A.03.IK	20	20	102	33	39	25	-	18,75	f_1+w/2	18	80	3	224038
RH224.2525.18.0A.03.IK	25	25	117	33	39	30	-	23,75	f_1+w/2	18	80	3	224038
LH224.1616.18.0A.02.IK	16	16	87	33	39	25	20	15,2	f_1+w/2	18	80	2	224018
LH224.2020.18.0A.02.IK	20	20	102	33	39	25	-	19,2	f_1+w/2	18	80	2	224018
LH224.2525.18.0A.02.IK	25	25	117	33	39	30	-	24,2	f_1+w/2	18	80	2	224018
LH224.1616.18.0A.25.IK	16	16	87	33	39	25	20	14,95	f_1+w/2	18	80	2,5	224028
LH224.2020.18.0A.25.IK	20	20	102	33	39	25	-	18,95	f_1+w/2	18	80	2,5	224028
LH224.2525.18.0A.25.IK	25	25	117	33	39	30	-	23,95	f_1+w/2	18	80	2,5	224028
LH224.1616.18.0A.03.IK	16	16	87	33	39	25	20	14,75	f_1+w/2	18	80	3	224038
LH224.2020.18.0A.03.IK	20	20	102	33	39	25	-	18,75	f_1+w/2	18	80	3	224038
LH224.2525.18.0A.03.IK	25	25	117	33	39	30	-	23,75	f_1+w/2	18	80	3	224038

Pièces Détachées
Ricambi

Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**004.00.16**	**6.23T25P**	**T25PQ**





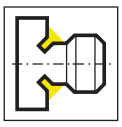


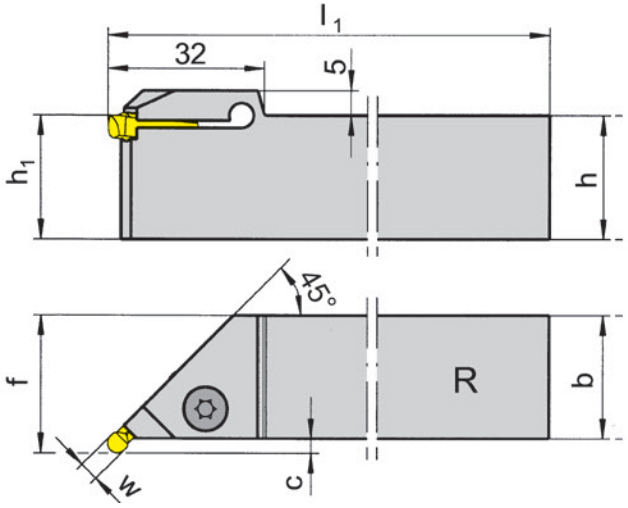
Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	b_1	f_1	f	t_{max}	D_{max}	w	HWS
RH224.1616.18.0A.04.IK	16	16	87	33	39	25	20	14,3	f_1+w/2	18	80	4	224048
RH224.2020.18.0A.04.IK	20	20	102	33	39	25	-	18,3	f_1+w/2	18	80	4	224048
RH224.2525.18.0A.04.IK	25	25	117	33	39	30	-	23,3	f_1+w/2	18	80	4	224048
RH224.1616.18.0A.05.IK	16	16	87	33	39	25	20	13,95	f_1+w/2	18	80	5	224058
RH224.2020.18.0A.05.IK	20	20	102	33	39	25	-	17,95	f_1+w/2	18	80	5	224058
RH224.2525.18.0A.05.IK	25	25	117	33	39	30	-	22,95	f_1+w/2	18	80	5	224058
RH224.1616.18.0A.06.IK	16	16	87	33	39	25	20	13,6	f_1+w/2	18	80	6	224068
RH224.2020.18.0A.06.IK	20	20	102	33	39	25	-	17,6	f_1+w/2	18	80	6	224068
RH224.2525.18.0A.06.IK	25	25	117	33	39	30	-	22,6	f_1+w/2	18	80	6	224068
LH224.1616.18.0A.04.IK	16	16	87	33	39	25	20	14,3	f_1+w/2	18	80	4	224048
LH224.2020.18.0A.04.IK	20	20	102	33	39	25	-	18,3	f_1+w/2	18	80	4	224048
LH224.2525.18.0A.04.IK	25	25	117	33	39	30	-	23,3	f_1+w/2	18	80	4	224048
LH224.1616.18.0A.05.IK	16	16	87	33	39	25	20	13,95	f_1+w/2	18	80	5	224058
LH224.2020.18.0A.05.IK	20	20	102	33	39	25	-	17,95	f_1+w/2	18	80	5	224058
LH224.2525.18.0A.05.IK	25	25	117	33	39	30	-	22,95	f_1+w/2	18	80	5	224058
LH224.1616.18.0A.06.IK	16	16	87	33	39	25	20	13,6	f_1+w/2	18	80	6	224068
LH224.2020.18.0A.06.IK	20	20	102	33	39	25	-	17,6	f_1+w/2	18	80	6	224068
LH224.2525.18.0A.06.IK	25	25	117	33	39	30	-	22,6	f_1+w/2	18	80	6	224068

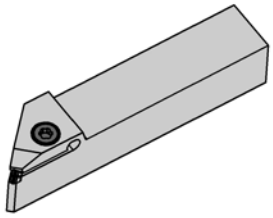
G

Pièces Détachées
Ricambi

Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**004.00.16**	**6.23T25P**	**T25PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	C	Largeur de coupe Larghezza della gola	HWS
RH224.4520.02	20	20	125	20	23	2,5	2,0-2,8	224028
RH224.4525.02	25	25	150	25	28	2,5	2,0-2,8	224028
RH224.4520.04	20	20	125	20	23	2,5	2,8-4,4	224048
RH224.4525.04	25	25	150	25	28	2,5	2,8-4,4	224048
RH224.4520.06	20	20	125	20	23,5	3	4,4-6,1	224068
RH224.4525.06	25	25	150	25	28,5	3	4,4-6,1	224068
LH224.4520.02	20	20	125	20	23	2,5	2,0-2,8	224028
LH224.4525.02	25	25	150	25	28	2,5	2,0-2,8	224028
LH224.4520.04	20	20	125	20	23	2,5	2,8-4,4	224048
LH224.4525.04	25	25	150	25	28	2,5	2,8-4,4	224048
LH224.4520.06	20	20	125	20	23,5	3	4,4-6,1	224068
LH224.4525.06	25	25	150	25	28,5	3	4,4-6,1	224068

w et Dmin voir cassettes
w, Dmin vd. inserti

Facteur de correction Δl_1, Δc et Δf en fonction du rayon
Fattore di correzione Δl_1, Δc che Δf in fuzione del raggio r

r	Δl_1	Δc	Δf
3,0	0	0	0
2,5	-0,146	-0,146	-0,146
2,0	0	0	0
1,5	-0,146	-0,146	-0,146
1,0	0	0	0

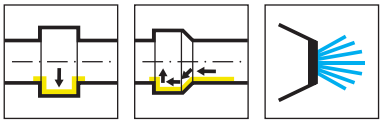


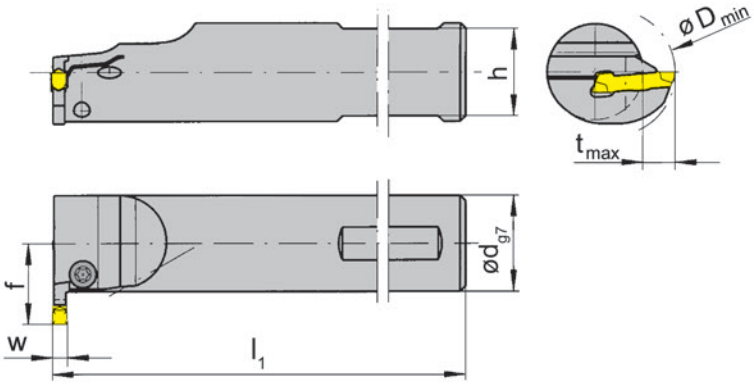
Pièces Détachées
Ricambi

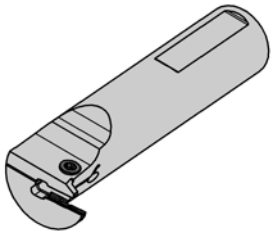
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**6.23T25P**	**T25PQ**

Porte outils
Portainserto

B224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	h	f	t_{max}	D_{min}	w	HWS
RB224.0020.0.01	20	130	18	18,5	8	30	2	224018
RB224.0020.0.02	20	130	18	18,5	8	30	2,5	224028
RB224.0020.0.03	20	130	18	18,5	8	30	3	224038
RB224.0020.0.04	20	130	18	18,5	8	30	4	224048
RB224.0025.0.01	25	130	23	21	8	35	2	224018
RB224.0025.0.02	25	130	23	21	8	35	2,5	224028
RB224.0025.0.03	25	130	23	21	8	35	3	224038
RB224.0025.0.04	25	130	23	21	8	35	4	224048
RB224.0032.0.03	32	150	30	24,5	8	42	3	224038
RB224.0032.0.04	32	150	30	24,5	8	42	4	224048
LB224.0020.0.01	20	130	18	18,5	8	30	2	224018
LB224.0020.0.02	20	130	18	18,5	8	30	2,5	224028
LB224.0020.0.03	20	130	18	18,5	8	30	3	224038
LB224.0020.0.04	20	130	18	18,5	8	30	4	224048
LB224.0025.0.01	25	130	23	21	8	35	2	224018
LB224.0025.0.02	25	130	23	21	8	35	2,5	224028
LB224.0025.0.03	25	130	23	21	8	35	3	224038
LB224.0025.0.04	25	130	23	21	8	35	4	224048
LB224.0032.0.03	32	150	30	24,5	8	42	3	224038
LB224.0032.0.04	32	150	30	24,5	8	42	4	224048

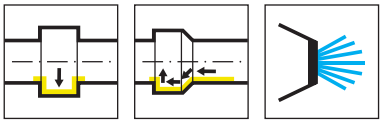
G

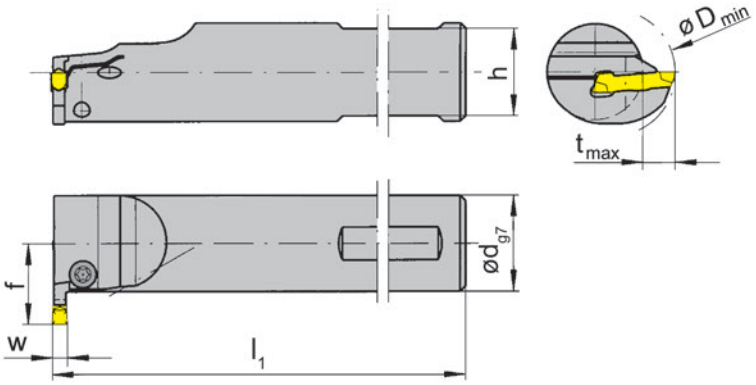
Pièces Détachées
Ricambi

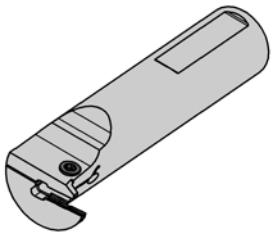
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB224...	**5.13T20EP**	**T20PQ**

Porte outils
Portainserto

B224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

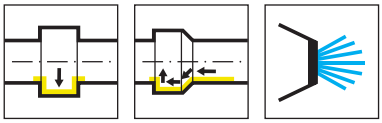
Numéro de commande Codice prodotto	d	l_1	h	f	t_{max}	D_{min}	w	HWS
RB224.0020.0.05	20	130	18	18,5	8	30	5	224058
RB224.0025.0.05	25	130	23	21	8	35	5	224058
RB224.0025.0.06	25	130	23	21	8	35	6	224068
RB224.0032.0.05	32	150	30	24,5	8	42	5	224058
RB224.0032.0.06	32	150	30	24,5	8	42	6	224068
LB224.0020.0.05	20	130	18	18,5	8	30	5	224058
LB224.0025.0.05	25	130	23	21	8	35	5	224058
LB224.0025.0.06	25	130	23	21	8	35	6	224068
LB224.0032.0.05	32	150	30	24,5	8	42	5	224058
LB224.0032.0.06	32	150	30	24,5	8	42	6	224068

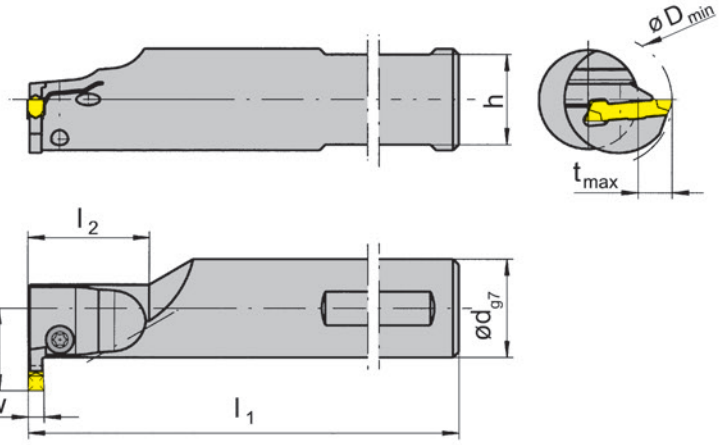
Pièces Détachées
Ricambi

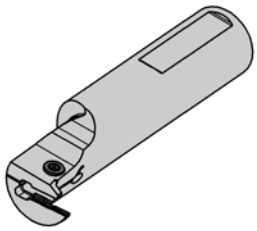
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB224...	**5.13T20EP**	**T20PQ**

Porte outils
Portainserto

B224







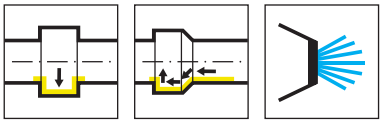
R = version à droite représentée
R = versione destra come in figura

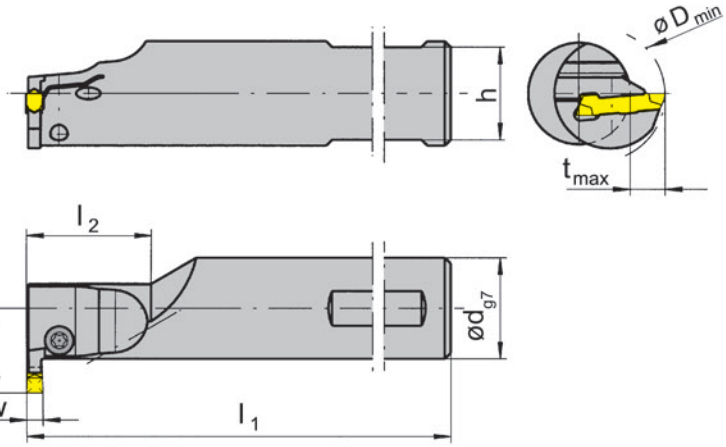
L = version à gauche
L = versione sinistra a specchio

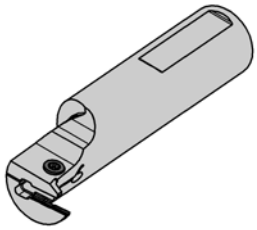
Numéro de commande Codice prodotto	d	l_1	l_2	h	f	t_{max}	D_{min}	w	HWS
RB224.0020.1.01	20	130	30	18	18,5	8	28	2	224018
RB224.0025.1.01	25	130	30	23	21	8	28	2	224018
RB224.0020.1.02	20	130	30	18	18,5	8	28	2,5	224028
RB224.0025.1.02	25	130	30	23	21	8	28	2,5	224028
RB224.0020.1.03	20	130	30	18	18,5	8	28	3	224038
RB224.0025.1.03	25	130	30	23	21	8	28	3	224038
RB224.0032.1.03	32	150	30	30	24,5	8	28	3	224038
RB224.0020.1.04	20	130	30	18	18,5	8	28	4	224048
RB224.0025.1.04	25	130	30	23	21	8	28	4	224048
RB224.0032.1.04	32	150	30	30	24,5	8	28	4	224048
RB224.0025.1.05	25	130	30	23	21	8	28	5	224058
RB224.0032.1.05	32	150	30	30	24,5	8	28	5	224058
RB224.0025.1.06	25	130	30	23	21	8	28	6	224068
RB224.0032.1.06	32	150	30	30	24,5	8	28	6	224068
LB224.0020.1.01	20	130	30	18	18,5	8	28	2	224018
LB224.0025.1.01	25	130	30	23	21	8	28	2	224018
LB224.0020.1.02	20	130	30	18	18,5	8	28	2,5	224028
LB224.0025.1.02	25	130	30	23	21	8	28	2,5	224028
LB224.0020.1.03	20	130	30	18	18,5	8	28	3	224038
LB224.0025.1.03	25	130	30	23	21	8	28	3	224038
LB224.0032.1.03	32	150	30	30	24,5	8	28	3	224038
LB224.0020.1.04	20	130	30	18	18,5	8	28	4	224048
LB224.0025.1.04	25	130	30	23	21	8	28	4	224048
LB224.0032.1.04	32	150	30	30	24,5	8	28	4	224048
LB224.0025.1.05	25	130	30	23	21	8	28	5	224058
LB224.0032.1.05	32	150	30	30	24,5	8	28	5	224058
LB224.0025.1.06	25	130	30	23	21	8	28	6	224068
LB224.0032.1.06	32	150	30	30	24,5	8	28	6	224068

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB224...	**5.13T20EP**	**T20PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

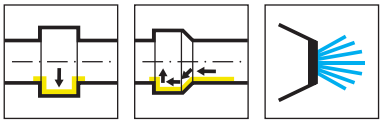
Numéro de commande Codice prodotto	d	l_1	l_2	h	f	t_{max}	D_{min}	w	HWS
RB224.0025.1.13	25	130	30	23	23,5	10	32	3	224038
RB224.0032.1.13	32	150	30	30	28	11	32	3	224038
RB224.0025.1.14	25	130	30	23	23,5	10	32	4	224048
RB224.0032.1.14	32	150	30	30	28	11	32	4	224048
RB224.0032.1.15	32	150	30	30	28	11	32	5	224058
RB224.0040.1.25	40	180	30	38	34	13	38	5	224058
RB224.0032.1.16	32	150	30	30	28	11	32	6	224068
RB224.0040.1.26	40	180	30	38	34	13	38	6	224068
LB224.0025.1.13	25	130	30	23	23,5	10	32	3	224038
LB224.0032.1.13	32	150	30	30	28	11	32	3	224038
LB224.0025.1.14	25	130	30	23	23,5	10	32	4	224048
LB224.0032.1.14	32	150	30	30	28	11	32	4	224048
LB224.0032.1.15	32	150	30	30	28	11	32	5	224058
LB224.0040.1.25	40	180	30	38	34	13	38	5	224058
LB224.0032.1.16	32	150	30	30	28	11	32	6	224068
LB224.0040.1.26	40	180	30	38	34	13	38	6	224068

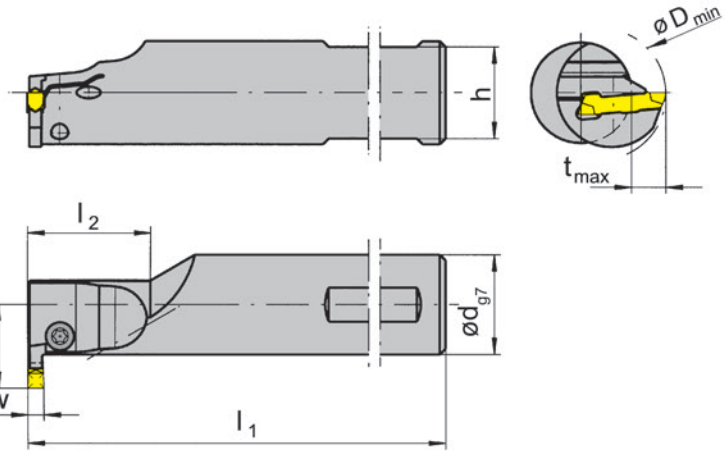
Pièces Détachées
Ricambi

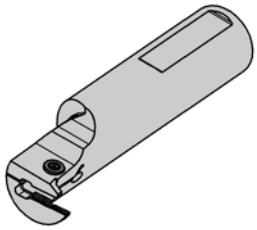
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB224...	**5.13T20EP**	**T20PQ**

Porte outils
Portainserto

B224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	l_2	h	f	t_{max}	D_{min}	w	HWS
RB224.0020.2.01	20	130	45	18	18,5	8	28	2	224018
RB224.0025.2.01	25	150	50	23	21	8	28	2	224018
RB224.0020.2.02	20	130	45	18	18,5	8	28	2,5	224028
RB224.0025.2.02	25	150	50	23	21	8	28	2,5	224028
RB224.0025.2.03	25	150	50	23	21	8	28	3	224038
RB224.0032.2.03	32	180	50	30	24,5	8	28	3	224038
RB224.0032.2.13	32	180	50	30	28	11	32	3	224038
RB224.0025.2.04	25	150	50	23	21	8	28	4	224048
RB224.0032.2.04	32	180	50	30	24,5	8	28	4	224048
RB224.0032.2.14	32	180	50	30	28	11	32	4	224048
LB224.0020.2.01	20	130	45	18	18,5	8	28	2	224018
LB224.0025.2.01	25	150	50	23	21	8	28	2	224018
LB224.0020.2.02	20	130	45	18	18,5	8	28	2,5	224028
LB224.0025.2.02	25	150	50	23	21	8	28	2,5	224028
LB224.0025.2.03	25	150	50	23	21	8	28	3	224038
LB224.0032.2.03	32	180	50	30	24,5	8	28	3	224038
LB224.0032.2.13	32	180	50	30	28	11	32	3	224038
LB224.0025.2.04	25	150	50	23	21	8	28	4	224048
LB224.0032.2.04	32	180	50	30	24,5	8	28	4	224048
LB224.0032.2.14	32	180	50	30	28	11	32	4	224048

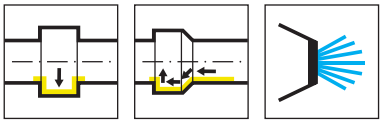
G

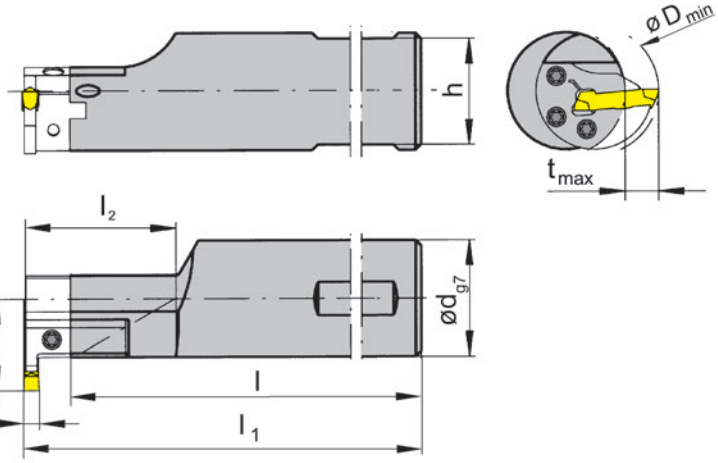
Pièces Détachées
Ricambi

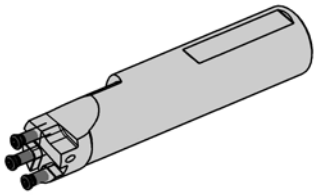
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB224...	**5.13T20EP**	**T20PQ**

Base de support
Attacco Base

B224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	l_1	d	l	l_2	h	f	HWS
RB224.0032.1.K2.IK	$l+b_1+w/2$	32	136,6	30	30	28	BK2241
RB224.0032.2.K2.IK	$l+b_1+w/2$	32	166,3	60	30	28	BK2241
RB224.0040.1.K2.IK	$l+b_1+w/2$	40	136,3	30	38	32	BK2241
RB224.0040.2.K2.IK	$l+b_1+w/2$	40	166,3	60	38	32	BK2241
RB224.0040.3.K2.IK	$l+b_1+w/2$	40	216,3	90	38	32	BK2241
LB224.0032.1.K2.IK	$l+b_1+w/2$	32	136,6	30	30	28	BK2242
LB224.0032.2.K2.IK	$l+b_1+w/2$	32	166,3	60	30	28	BK2242
LB224.0040.1.K2.IK	$l+b_1+w/2$	40	136,3	30	38	32	BK2242
LB224.0040.2.K2.IK	$l+b_1+w/2$	40	166,3	60	38	32	BK2242
LB224.0040.3.K2.IK	$l+b_1+w/2$	40	216,3	90	38	32	BK2242

w voir plaquettes amovibles
w vd. inserti

Dimensions pour Dmin, tmax et b1 voir cassettes
Per le dimensioni Dmin, tmax e b1 vd. sezione cartucce

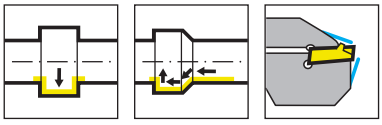
Note:
pour cassettes BK224 **avec** arrosage interne
Nota:
per cartucce BK224 con lubrorefrigerante

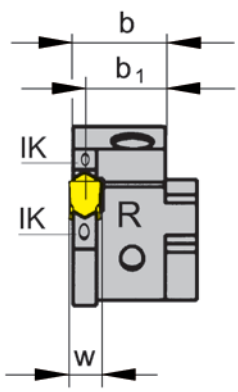
Pièces Détachées
Ricambi

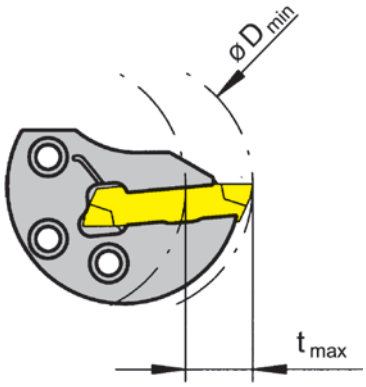
Base de support Attacco Base	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB224...	**030.0518.T20P**	**T20PQ**

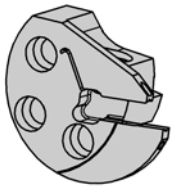
Cassette
Cartuccia

BK224









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	D_{min}	t_{max}	b	b_1	w	HWS	HMS
RBK224.0040.01.IK	40	11	13,5	12,7	2	224018	BK2241
RBK224.0040.02.IK	40	11	13,45	12,45	2,5	224028	BK2241
RBK224.0040.03.IK	40	11	13,4	12,2	3	224038	BK2241
RBK224.0040.04.IK	40	11	13,35	11,7	4	224048	BK2241
RBK224.0040.05.IK	40	11	13,2	11,2	5	224058	BK2241
RBK224.0040.06.IK	40	11	13,05	10,7	6	224068	BK2241
LBK224.0040.01.IK	40	11	13,5	12,7	2	224018	BK2242
LBK224.0040.02.IK	40	11	13,45	12,45	2,5	224028	BK2242
LBK224.0040.03.IK	40	11	13,4	12,2	3	224038	BK2242
LBK224.0040.04.IK	40	11	13,35	11,7	4	224048	BK2242
LBK224.0040.05.IK	40	11	13,2	11,2	5	224058	BK2242
LBK224.0040.06.IK	40	11	13,05	10,7	6	224068	BK2242

La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

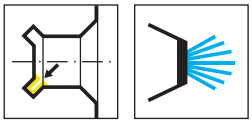
Note:
pour base du support B224 **avec** arrosage interne
Nota:
per attacco base B224 con lubrorefrigerante

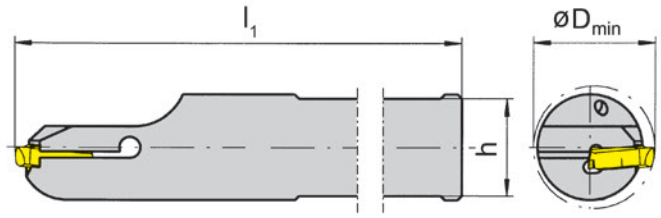
Pièces Détachées
Ricambi

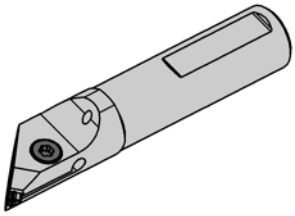
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LBK224...	**5.13T20EP**	**T20PQ**

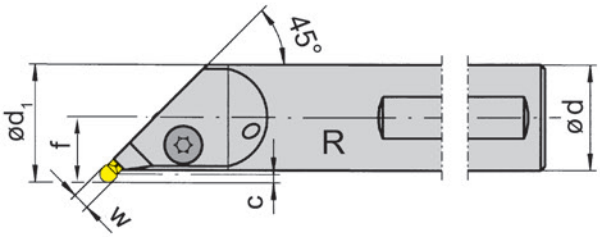
Porte outils
Portainserto

B224









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	h	l_1	f	C	D_{min}	d_1	Largeur de coupe Larghezza della gola	HWS
RB224.4520.0.02	20	18	130	13	2,5	25	23	2,0-2,8	224018 • 224028
RB224.4525.0.02	25	23	150	15,5	2,5	29	28	2,0-2,8	224018 • 224028
RB224.4532.0.02	32	30	150	19	2,5	36	35	2,0-2,8	224018 • 224028
RB224.4540.1.02	40	38	200	23	2,5	44	43	2,0-2,8	224018 • 224028
RB224.4520.0.04	20	18	130	13	2,5	25	23	2,8-4,4	224038 • 224048
RB224.4525.0.04	25	23	150	15,5	2,5	29	28	2,8-4,4	224038 • 224048
RB224.4532.0.04	32	30	150	19	2,5	36	35	2,8-4,4	224038 • 224048
RB224.4540.1.04	40	38	200	23	2,5	44	43	2,8-4,4	224038 • 224048
RB224.4520.0.06	20	18	130	13,5	3	25	23,5	4,4-6,1	224058 • 224068
RB224.4525.0.06	25	23	150	16	3	29,5	28,5	4,4-6,1	224058 • 224068
RB224.4532.0.06	32	30	150	19	3	36,5	35,5	4,4-6,1	224058 • 224068
LB224.4520.0.02	20	18	130	13	2,5	25	23	2,0-2,8	224018 • 224028
LB224.4525.0.02	25	23	150	15,5	2,5	29	28	2,0-2,8	224018 • 224028
LB224.4532.0.02	32	30	150	19	2,5	36	35	2,0-2,8	224018 • 224028
LB224.4540.1.02	40	38	200	23	2,5	44	43	2,0-2,8	224018 • 224028
LB224.4520.0.04	20	18	130	13	2,5	25	23	2,8-4,4	224038 • 224048
LB224.4525.0.04	25	23	150	15,5	2,5	29	28	2,8-4,4	224038 • 224048
LB224.4532.0.04	32	30	150	19	2,5	36	35	2,8-4,4	224038 • 224048
LB224.4540.1.04	40	38	200	23	2,5	44	43	2,8-4,4	224038 • 224048
LB224.4520.0.06	20	18	130	13,5	3	25	23,5	4,4-6,1	224058 • 224068
LB224.4525.0.06	25	23	150	16	3	29,5	28,5	4,4-6,1	224058 • 224068
LB224.4532.0.06	32	30	150	19	3	36,5	35,5	4,4-6,1	224058 • 224068

w voir plaquettes amovibles
w vd. inserti

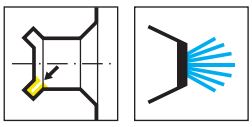
Facteur de correction Δl_1, Δc et Δf en fonction du rayon
Fattore di correzione Δl_1, Δc che Δf in fuzione del raggio r

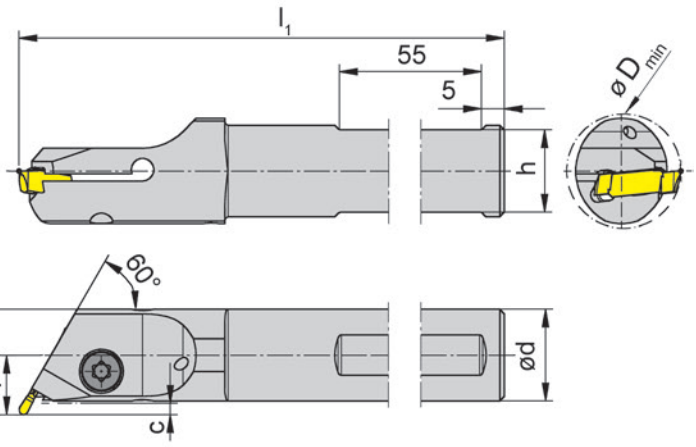
r	Δl_1	Δc	Δf
3,0	0	0	0
2,5	-0,146	-0,146	-0,146
2,0	0	0	0
1,5	-0,146	-0,146	-0,146
1,0	0	0	0

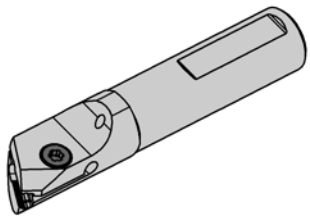


Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB224...	**6.14T25P**	**T25PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	h	l_1	f	C	D_{min}	d_1	Largeur de coupe Larghezza della gola	HWS
RB224.6020.0.02	20	18	150	13	2,5	25	23	2,0-2,8	224018 • 224028
RB224.6025.0.02	25	23	150	15,5	2,5	29	28	2,0-2,8	224018 • 224028
RB224.6032.0.02	32	30	150	19	2,5	36	35	2,0-2,8	224018 • 224028
RB224.6020.0.04	20	18	150	13	2,5	25	23	2,8-4,4	224038 • 224048
RB224.6032.0.04	32	30	150	19	2,5	36	35	2,8-4,4	224038 • 224048
RB224.6020.0.06	20	18	150	13,5	3	25	23,5	4,4-6,1	224058 • 224068
RB224.6032.0.06	32	30	150	19,5	3	36,5	35,5	4,4-6,1	224068 • 224068
LB224.6020.0.02	20	18	150	13	2,5	25	23	2,0-2,8	224018 • 224028
LB224.6025.0.02	25	23	150	15,5	2,5	29	28	2,0-2,8	224018 • 224028
LB224.6032.0.02	32	30	150	19	2,5	36	35	2,0-2,8	224018 • 224028
LB224.6020.0.04	20	18	150	13	2,5	25	23	2,8-4,4	224038 • 224048
LB224.6025.0.04	25	23	150	15,5	2,5	29	28	2,8-4,4	224038 • 224048
LB224.6032.0.04	32	30	150	19	2,5	36	35	2,8-4,4	224038 • 224048
LB224.6020.0.06	20	18	150	13,5	3	25	23,5	4,4-6,1	224058 • 224068
LB224.6025.0.06	25	23	150	16	3	29,5	28,5	4,4-6,1	224058 • 224068
LB224.6032.0.06	32	30	150	19,5	3	36,5	35,5	4,4-6,1	224058 • 224068

Facteur de correction Δl_1, Δc et Δf en fonction du rayon
Fattore di correzione Δl_1, Δc che Δf in fuzione del raggio r

r	Δl_1	Δc	Δf
3,0	0	0	0
2,5	-0,146	-0,146	-0,146
2,0	0	0	0
1,5	-0,146	-0,146	-0,146
1,0	0	0	0

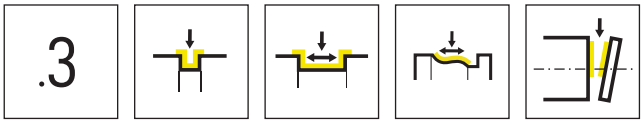


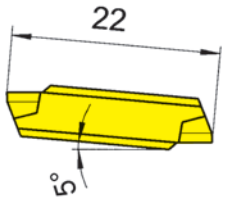
Pièces Détachées
Ricambi

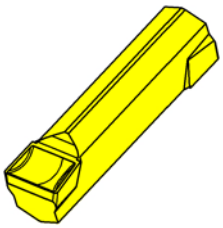
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB224.6...	**6.14T25P**	**T25PQ**
LB224.6025.0....	**6.14T25P**	**T25PQ**

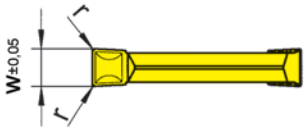
Plaquette amovible
Inserto

S224









Nuance
Leghe

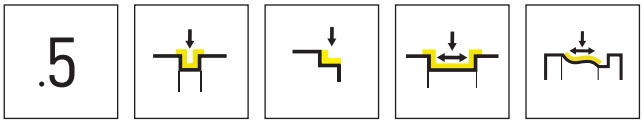
▲ en stock
a stock

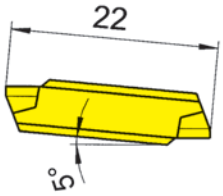
Δ 4 semaines
4 settimane

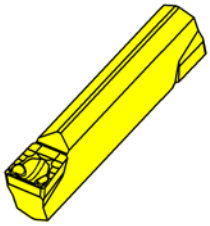
Numéro de commande Codice prodotto	w	r	HIS	AS62	AS66	IG66	TF45	TI25	TN32	TN35
S224.0300.32	3	0,2	224038	▲	▲	▲	▲	▲	▲	▲
S224.0300.34	3	0,4	224038	▲	▲	▲	▲	▲	▲	▲
S224.0400.32	4	0,2	224048	▲	▲	▲	▲	▲	▲	▲
S224.0400.34	4	0,4	224048	▲	▲	▲	▲	▲	▲	▲
S224.0500.34	5	0,4	224058	▲	▲	▲	▲	▲	▲	▲
S224.0500.38	5	0,8	224058	▲	▲	▲	▲	▲	Δ	Δ
S224.0600.34	6	0,4	224068	▲	▲	▲	▲	▲	▲	▲
S224.0600.38	6	0,8	224068	▲	▲	▲	▲	Δ		▲
			P	●	●	●	●	●	●	●
			M	-	o	●	●	●	-	●
			K	-	●	-	●	●	-	●
			N	-	●	-	●	●	-	●
			S	-	o	o	●	●	-	●
			H	-	-	-	-	-	-	-

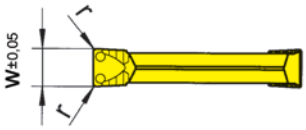
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

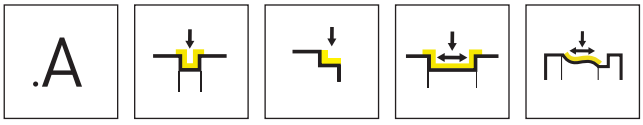
Δ 4 semaines
4 settimane

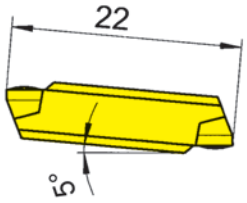
Numéro de commande Codice prodotto	w	r	HIS		AS62	AS66	EG56	IG66	TF45	TI25	TN32	TN35
S224.0200.52	2	0,2	224018		▲	▲	▲	▲				
S224.0250.52	2,5	0,2	224028		▲	▲	▲	▲				
S224.0300.52	3	0,2	224038		▲	▲	▲	▲	▲	▲	▲	▲
S224.0300.54	3	0,4	224038		▲	▲	▲	▲	▲	▲	▲	▲
S224.0400.52	4	0,2	224048		▲	▲	▲	▲	▲	▲	▲	▲
S224.0400.54	4	0,4	224048		▲	▲	▲	▲	▲	▲	▲	▲
S224.0500.54	5	0,4	224058		▲	▲	▲	▲	▲	▲	▲	▲
S224.0500.58	5	0,8	224058		▲	▲	Δ	▲		▲	Δ	Δ
S224.0600.54	6	0,4	224068		▲	▲	▲	▲	▲	▲	Δ	▲
S224.0600.58	6	0,8	224068		▲	▲	Δ	▲	Δ	Δ	Δ	Δ
				P	●	●	●	●	●	●	●	●
				M	-	o	o	●	●	●	-	●
				K	-	●	o	-	●	●	-	●
				N	-	●	-	-	●	●	-	●
				S	-	o	-	o	●	●	-	●
				H	-	-	-	-	-	-	-	-

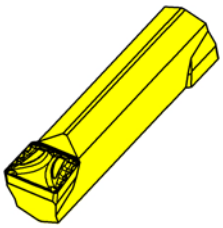
G

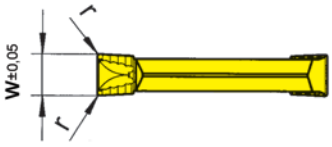
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

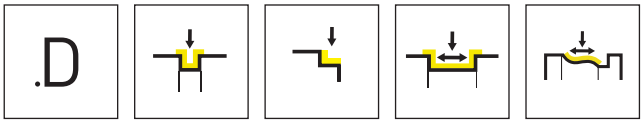
Δ 4 semaines
4 settimane

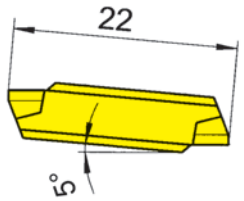
Numéro de commande Codice prodotto	w	r	HIS	AS62	TF45	TI25	TN32	TN35
S224.0300.A2	3	0,2	224038	▲	▲	▲	Δ	▲
S224.0300.A4	3	0,4	224038	▲	▲	▲	▲	▲
S224.0400.A2	4	0,2	224048	▲	Δ	▲	Δ	▲
S224.0400.A4	4	0,4	224048	▲	▲	▲	Δ	▲
S224.0500.A4	5	0,4	224058	▲	▲	▲	▲	▲
S224.0500.A8	5	0,8	224058	▲	Δ	Δ	▲	Δ
S224.0600.A4	6	0,4	224068	▲	Δ	▲		▲
S224.0600.A8	6	0,8	224068	▲	Δ	Δ	Δ	▲
P				●	●	●	●	●
M				-	●	●	-	●
K				-	●	●	-	●
N				-	●	●	-	●
S				-	●	●	-	●
H				-	-	-	-	-

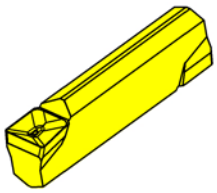
G

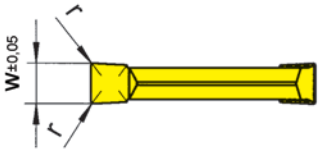
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

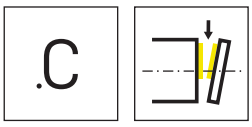
Δ 4 semaines
4 settimane

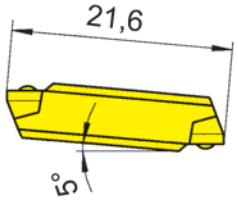
Numéro de commande Codice prodotto	w	r	HIS		H54	IG66	TF45	TF46	TI22	TI25	TN32	TN35
S224.0200.D2	2	0,2	224018		▲	▲	▲	▲		▲	▲	▲
S224.0200.D2.G	2	0,2	224018			▲		▲	▲			
S224.0250.D2	2,5	0,2	224028		Δ	▲	▲	▲		▲	▲	▲
S224.0250.D2.G	2,5	0,2	224028			▲		▲	▲			
S224.0300.D2	3	0,2	224038		▲	▲	▲	▲		▲	▲	▲
S224.0300.D2.G	3	0,2	224038			▲	▲	▲	▲			
S224.0400.D2	4	0,2	224048		Δ	▲	▲	▲		▲	Δ	▲
S224.0400.D2.G	4	0,2	224048			▲		▲	▲			
				P	●	●	●	●	●	●	●	●
				M	●	●	●	o	-	●	-	●
				K	-	-	●	●	-	●	-	●
				N	-	-	●	●	-	●	-	●
				S	-	o	●	o	-	●	-	●
				H	-	-	-	-	-	-	-	-

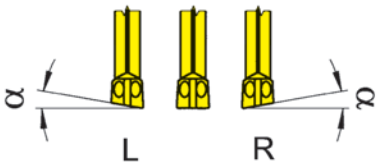
G

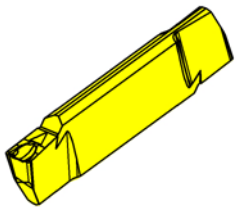
Plaquette amovible
Inserto

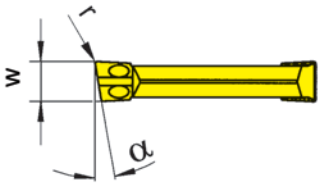
S224











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

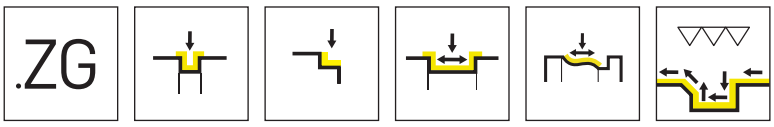
Δ 4 semaines
4 settimane

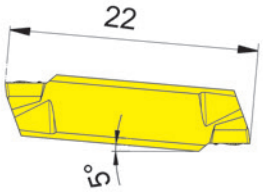
Nuance
Leghe

Numéro de commande Codice prodotto	w	r	α	HIS		TF45	TI25	TN35
RS224.0520.C1	2	0,15	5°	224018		▲		▲
RS224.0820.C1	2	0,15	8°	224018		▲		Δ
RS224.1520.C1	2	0,15	15°	224018		▲		▲
RS224.0525.C1	2,5	0,15	5°	224028		▲		Δ
RS224.0825.C1	2,5	0,15	8°	224028		▲		Δ
RS224.0530.C1	3	0,15	5°	224038		▲		▲
RS224.0830.C1	3	0,15	8°	224038		▲		▲
LS224.0520.C1	2	0,15	5°	224018		▲		▲
LS224.0820.C1	2	0,15	8°	224018		▲		Δ
LS224.1520.C1	2	0,15	15°	224018		▲		▲
LS224.0525.C1	2,5	0,15	5°	224028		▲		Δ
LS224.0825.C1	2,5	0,15	8°	224028		▲		Δ
LS224.0530.C1	3	0,15	5°	224038		▲		▲
LS224.0830.C1	3	0,15	8°	224038		▲		▲
S224.0020.C1	2	0,15	0°	224018		▲	▲	▲
S224.0025.C1	2,5	0,15	0°	224028		▲	▲	▲
S224.0030.C1	3	0,15	0°	224038		▲	▲	▲
					P	●	●	●
					M	●	●	●
					K	●	●	●
					N	●	●	●
					S	●	●	●
					H	-	-	-

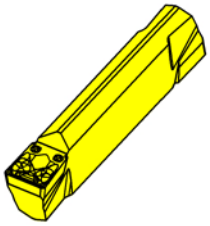
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

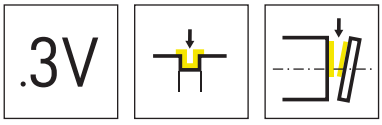
Δ 4 semaines
4 settimane

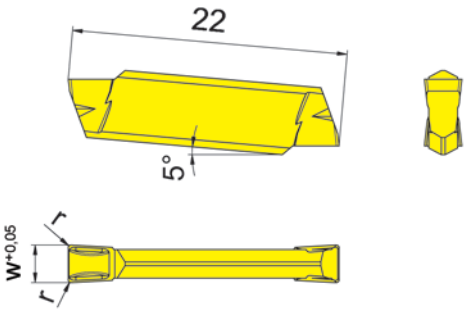
Numéro de commande Codice prodotto	w	r	HIS		ALXT	IG6T
S224.0300.ZG2	3	0,2	224038		▲	
S224.0400.ZG4	4	0,4	224048		▲	▲
				P	●	●
				M	o	●
				K	-	-
				N	-	-
				S	-	o
				H	-	-

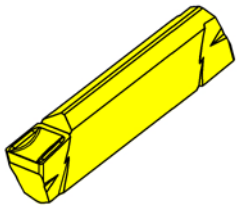
G

Plaquette amovible
Inserto

S224







Nuance
Leghe

▲ en stock
a stock

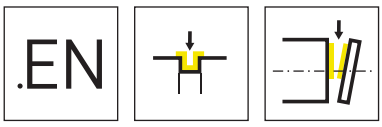
Δ 4 semaines
4 settimane

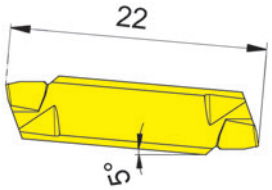
Numéro de commande Codice prodotto	w	r	HIS		AS45	HP65	IG35
S224.0200.3V2	2	0,2	224018		▲	▲	▲
S224.0250.3V2	2,5	0,2	224028		▲	▲	▲
S224.0300.3V2	3	0,2	224038		▲	▲	▲
S224.0400.3V3	4	0,3	224048		▲	▲	▲
				P	●	●	-
				M	●	●	●
				K	●	●	-
				N	o	o	-
				S	●	●	●
				H	-	-	-

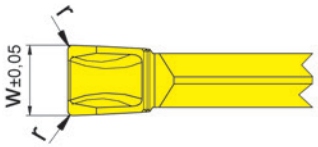
G

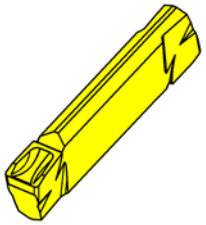
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

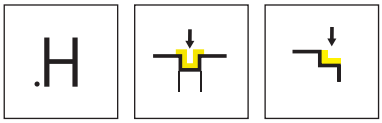
Δ 4 semaines
4 settimane

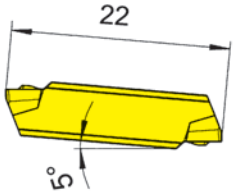
Numéro de commande Codice prodotto	w	r	HIS		AS62	AS65
S224.0200.EN2	2	0,2	224018		▲	
S224.0250.EN2	2,5	0,2	224028		▲	
S224.0300.EN2	3	0,2	224038		▲	▲
				P	●	●
				M	-	o
				K	-	o
				N	-	-
				S	-	-
				H	-	-

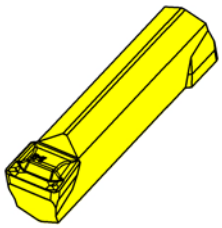
G

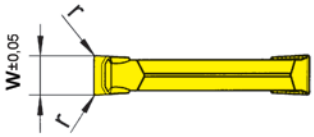
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

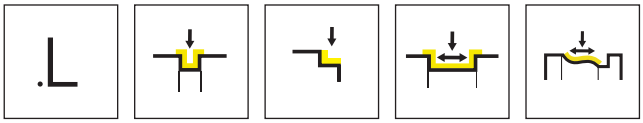
Δ 4 semaines
4 settimane

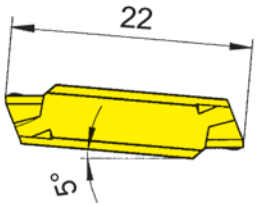
Numéro de commande Codice prodotto	w	r	HIS		IG66	TF42
S224.0300.H4	3	0,4	224038		Δ	▲
S224.0400.H4	4	0,4	224048		Δ	▲
S224.0500.H6	5	0,6	224058		Δ	▲
S224.0500.H8	5	0,8	224058		Δ	
S224.0600.H6	6	0,6	224068			Δ
S224.0600.H8	6	0,8	224068			Δ
				P	●	●
				M	●	-
				K	-	-
				N	-	-
				S	o	-
				H	-	-

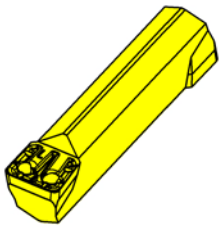
G

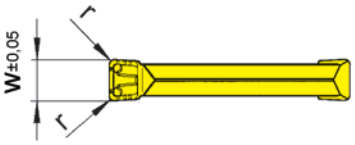
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

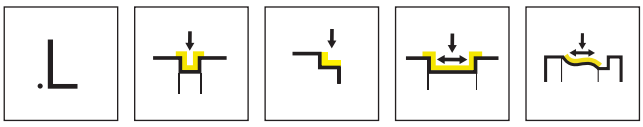
Δ 4 semaines
4 settimane

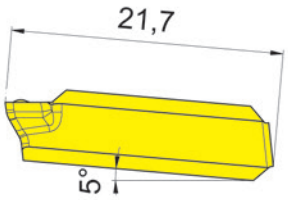
Numéro de commande Codice prodotto	w	r	HIS		AS62	AS65	AS66	ASG6	IG66	TF42	TI22
S224.0300.L4	3	0,4	224038		▲	▲	▲	▲	▲		
S224.0400.L4	4	0,4	224048		▲		▲		▲	▲	▲
S224.0500.L4	5	0,4	224058		▲		▲	Δ	▲	▲	▲
S224.0500.L6	5	0,6	224058		▲		▲	Δ	▲	▲	
S224.0600.L4	6	0,4	224068		▲				▲	▲	▲
S224.0600.L6	6	0,6	224068		▲			Δ	▲	Δ	▲
				P	●	●	●	●	●	●	●
				M	-	o	o	o	●	-	-
				K	-	o	●	o	-	-	-
				N	-	-	●	-	-	-	-
				S	-	-	o	-	o	-	-
				H	-	-	-	-	-	-	-

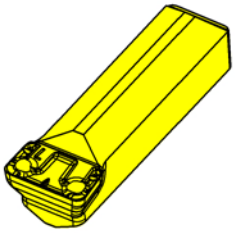
G

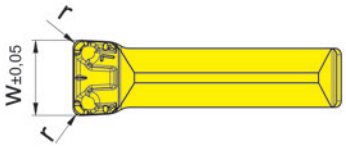
Plaquette de coupe
Inserto

S124









Nuance
Leghe

▲ en stock
a stock

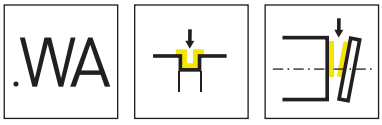
Δ 4 semaines
4 settimane

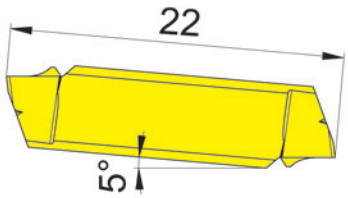
Numéro de commande Codice prodotto	w	r	HIS		AS42	AS46	IG66
S124.0600.L6	6	0,6	224068		Δ	▲	Δ
				P	●	o	●
				M	●	o	●
				K	●	●	-
				N	●	o	-
				S	●	o	o
				H	-	-	-

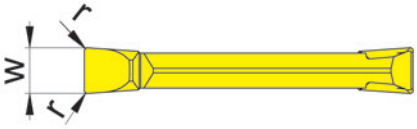
G

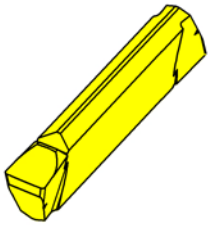
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

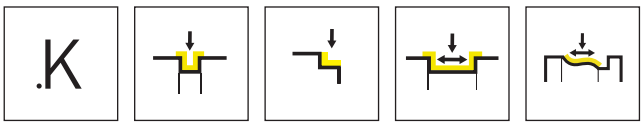
Δ 4 semaines
4 settimane

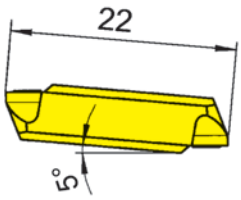
Numéro de commande Codice prodotto	w	r	HIS		K10	DD26
S224.0200.WA2	2	0,2	224018		▲	▲
S224.0300.WA2	3	0,2	224038		▲	▲
				P	●	-
				M	o	-
				K	●	-
				N	●	●
				S	o	o
				H	-	-

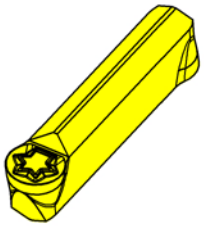
G

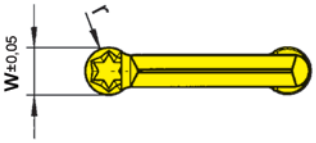
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		AS62	AS66	IG66	TF42	TN32	TN35
S224.0010.K2	2	1	224018		▲	▲	▲	▲		
S224.0015.K3	3	1,5	224038		▲	▲	▲	▲	▲	
S224.0020.K4	4	2	224048		▲	▲	▲	▲	▲	
S224.0025.K5	5	2,5	224058		▲	▲	▲	▲	▲	Δ
S224.0030.K6	6	3	224068		▲	▲	▲			
				P	●	●	●	●	●	●
				M	-	o	●	-	-	●
				K	-	●	-	-	-	●
				N	-	●	-	-	-	●
				S	-	o	o	-	-	●
				H	-	-	-	-	-	-

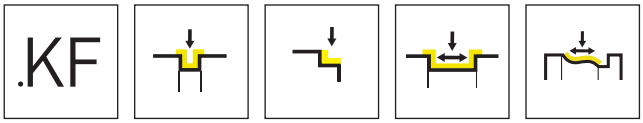
Plaquettes peuvent êtres utilisées avec des porte outils droite et gauche.
Stesso inserto per portainserto sia destro che sinistro.

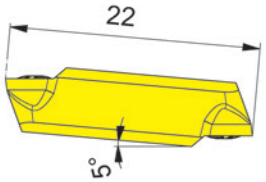
D_{min} pour rayon de dégagement avec porte outils à 45°
D_{min} per scarico di rettifica con portainserto 45°

t_{max}	S224.0010.K2	S224.0015.K3	S224.0020.K4	S224.0025.K5	S224.0030.K6
0,5	Ø 34	Ø 26	Ø 22	Ø 21	Ø 14
1,0	Ø 54	Ø 36	Ø 26	Ø 22	Ø 18
1,5	Ø 54	Ø 36	Ø 26	Ø 22	Ø 18
2,0	Ø 55	Ø 36	Ø 26	Ø 22	Ø 18
2,5	Ø 56	Ø 36	Ø 26	Ø 22	Ø 18
3,0	-	-	-	Ø 22	Ø 18

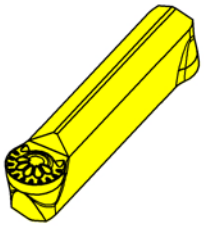
Plaquette amovible
Inserto

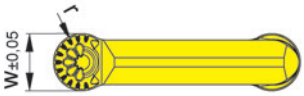
S224











Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		AS66	EG55	IG66
S224.0010.KF2	2	1	224018		▲	▲	
S224.0015.KF3	3	1,5	224038		▲		▲
S224.0020.KF4	4	2	224048		▲		▲
S224.0025.KF5	5	2,5	224058		▲		▲
S224.0030.KF6	6	3	224068		▲		▲
				P	●	●	●
				M	o	o	●
				K	●	o	-
				N	●	-	-
				S	o	-	o
				H	-	-	-

Plaquettes peuvent êtres utilisées avec des porte outils droite et gauche.
Stesso inserto per portainserto sia destro che sinistro.

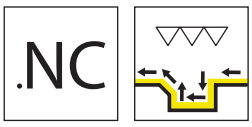
D_{min} pour rayon de dégagement avec porte outils à 45°
D_{min} per scarico di rettifica con portainserto 45°

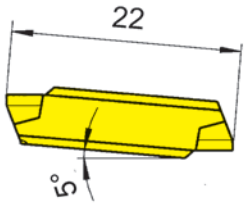
t_{max}	S224.0010.K2	S224.0015.K3	S224.0020.K4	S224.0025.K5	S224.0030.K6
0,5	Ø 26	Ø 22	Ø 21	Ø 14	Ø 14
1,0	Ø 36	Ø 26	Ø 22	Ø 18	Ø 18
1,5	Ø 36	Ø 26	Ø 22	Ø 18	Ø 18
2,0	Ø 36	Ø 26	Ø 22	Ø 18	Ø 18
2,5	Ø 36	Ø 26	Ø 22	Ø 18	Ø 18
3,0	-	-	Ø 22	Ø 18	Ø 18

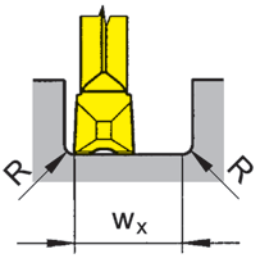
G

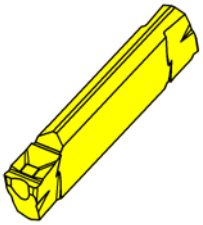
Plaquette amovible
Inserto

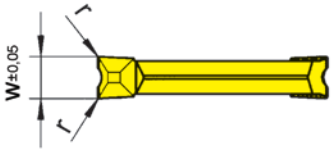
S224











Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

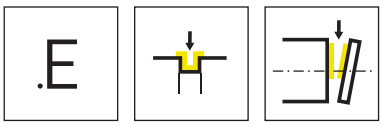
Numéro de commande Codice prodotto	w	r	w_x	HIS		T122	T125	T126
S224.NC25.D2	2,5	0,2	3,6	224028		▲	▲	▲
S224.NC30.D2	3	0,2	4,5	224038		▲	▲	▲
					P	●	●	●
					M	-	●	o
					K	-	●	●
					N	-	●	●
					S	-	●	o
					H	-	-	-

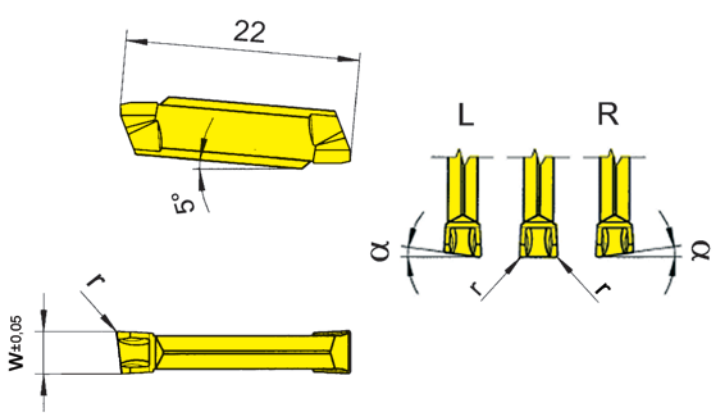
wx = largeur de gorge - R(droite) - R(gauche)
wx = larghezza gola - R(destro) - R(sinistro)

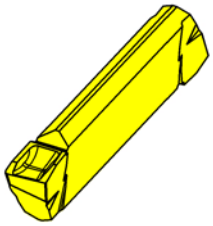
G

Plaquette amovible
Inserto

S224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

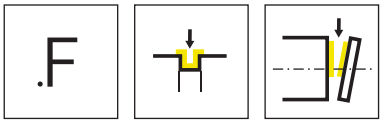
Δ 4 semaines
4 settimane

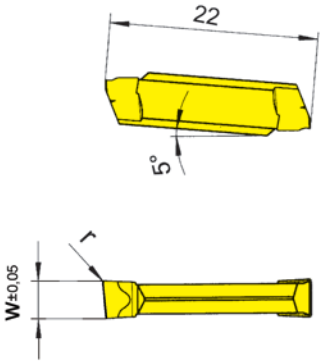
Numéro de commande Codice prodotto	w	r	α	HIS		AS62	TF43	TF45	TN35
RS224.0520.E2	2	0,2	5°	224018		▲	Δ		
RS224.0525.E2	2,5	0,2	5°	224028		▲	Δ	Δ	
RS224.0530.E2	3	0,2	5°	224038		▲	Δ	▲	
LS224.0520.E2	2	0,2	5°	224018		Δ	Δ	Δ	
LS224.0525.E2	2,5	0,2	5°	224028		Δ	Δ	Δ	
LS224.0530.E2	3	0,2	5°	224038		▲		▲	
S224.0200.E2	2	0,2	0°	224018		▲	▲	▲	
S224.0250.E2	2,5	0,2	0°	224028		▲	▲	▲	
S224.0300.E2	3	0,2	0°	224038		▲	▲	▲	Δ
S224.0300.E4	3	0,4	0°	224038		▲	Δ	▲	Δ
S224.0400.E2	4	0,2	0°	224048		▲	Δ	▲	Δ
S224.0400.E4	4	0,4	0°	224048		▲	Δ	▲	Δ
					P	●	●	●	●
					M	-	-	●	●
					K	-	-	●	●
					N	-	-	●	●
					S	-	-	●	●
					H	-	-	-	-

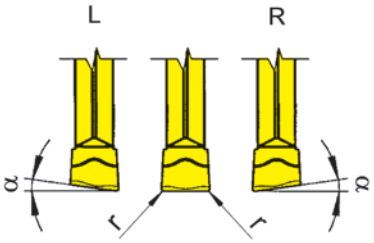
G

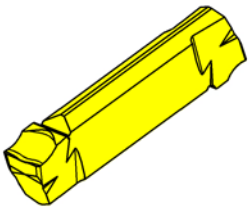
Plaquette amovible
Inserto

S224









Nuance
Leghe

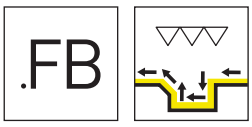
▲ en stock
a stock

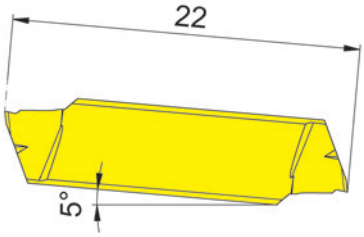
Δ 4 semaines
4 settimane

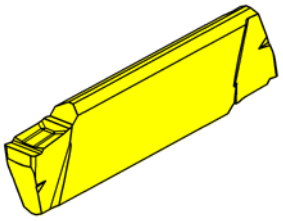
Numéro de commande Codice prodotto	w	r	α	HIS		TF43	TF45	TF46	TI22	TI25
RS224.0520.F2	2	0,2	5°	224018			▲	▲		
RS224.0525.F2	2,5	0,2	5°	224028		▲	▲			
RS224.0530.F2	3	0,2	5°	224038		▲	▲		Δ	
LS224.0520.F2	2	0,2	5°	224018			▲	Δ		
LS224.0525.F2	2,5	0,2	5°	224028			▲			
LS224.0530.F2	3	0,2	5°	224038		Δ	▲			
S224.0200.F2	2	0,2	0°	224018		▲	▲	▲	▲	▲
S224.0250.F2	2,5	0,2	0°	224028		Δ	▲	Δ	Δ	Δ
S224.0300.F2	3	0,2	0°	224038		▲	▲		Δ	▲
S224.0400.F2	4	0,2	0°	224048			▲		▲	Δ
					P	●	●	●	●	●
					M	-	●	o	-	●
					K	-	●	●	-	●
					N	-	●	●	-	●
					S	-	●	o	-	●
					H	-	-	-	-	-

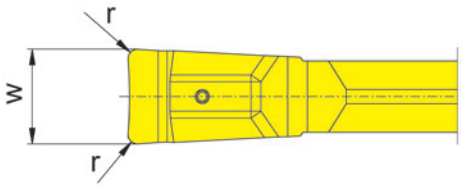
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		IG6T	H20
S224.FB20.02	2	0,2	224018		Δ	▲
S224.FB30.02	3	0,2	224038		Δ	▲
				P	●	●
				M	●	o
				K	-	-
				N	-	-
				S	o	-
				H	-	-

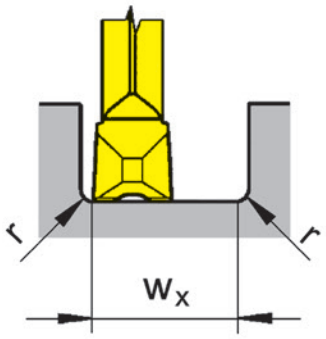
Calcul de la plus petite largeur de gorge possible w_x
Calcolo della larghezza di gola w_x più basso possibile

Exemple S224.FB20.02
Esempio

w_x = 2 x Largeur de gorge/Larghezza della gola w - 2 x Rayon d'angles plaque /Spigolo raggiato inserto r

w_x = 2 x 2 mm - 2 x 0,2 mm

w_x = 3,6 mm



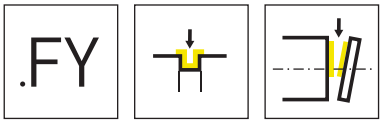
Déroulement du processus
Percorso di lavoro

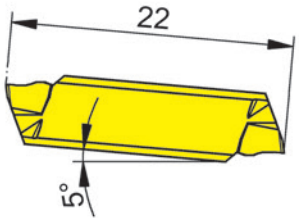


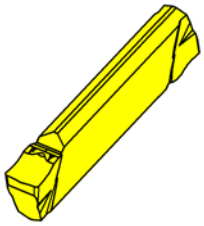
G

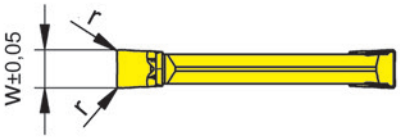
Plaquette amovible
Inserto

S224









Nuance
Leghe

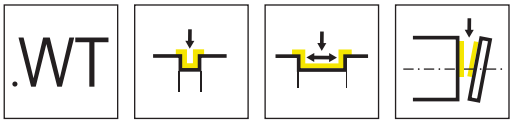
▲ en stock
a stock

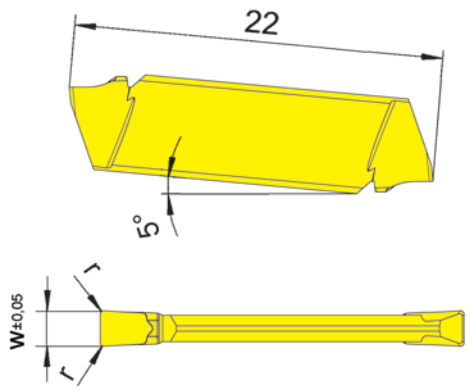
Δ 4 semaines
4 settimane

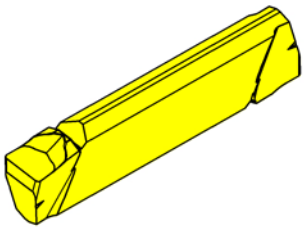
Numéro de commande Codice prodotto	w	r	HIS		HP65	IG35	TI25
S224.0200.FY2	2	0,2	224018		▲	▲	▲
S224.0250.FY2	2,5	0,2	224028		▲	▲	▲
S224.0300.FY2	3	0,2	224038		▲	▲	▲
				P	●	-	●
				M	●	●	●
				K	●	-	●
				N	o	-	●
				S	●	●	●
				H	-	-	-

Plaquette amovible
Inserto

S224







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

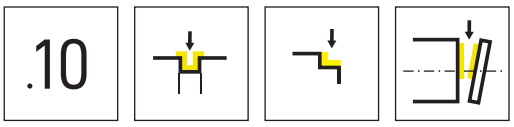
Numéro de commande Codice prodotto	w	r	HIS	IG35
S224.0200.WT2	2	0,2	224018	▲
S224.0250.WT2	2,5	0,2	224028	▲
S224.0300.WT2	3	0,2	224038	▲

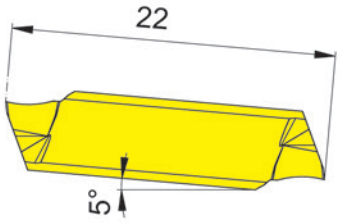
P	-
M	●
K	-
N	-
S	●
H	-

G

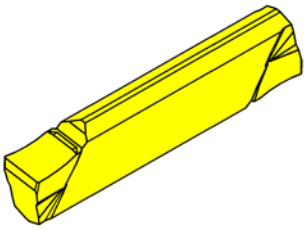
Plaquette amovible
Inserto

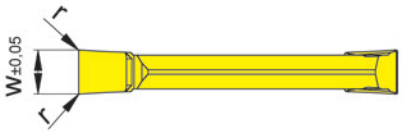
S224











Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

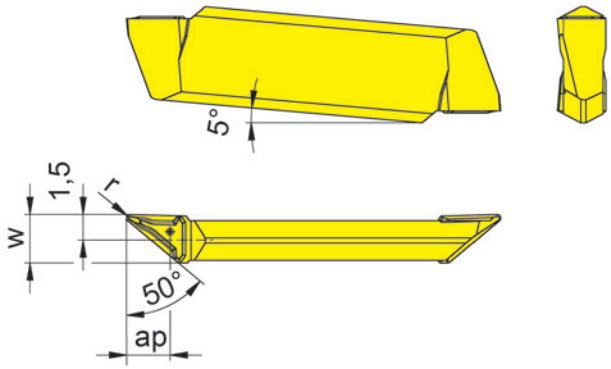
Numéro de commande Codice prodotto	w	r	HIS		EG35	IG66
S224.0200.10	2	0,05	224018		▲	Δ
S224.0250.10	2,5	0,1	224028		▲	Δ
S224.0300.10	3	0,1	224038		▲	Δ
				P	●	●
				M	●	●
				K	o	-
				N	-	-
				S	-	o
				H	-	-

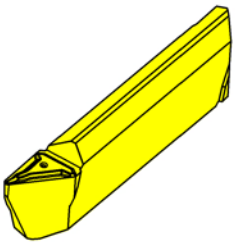
G

Plaquette amovible
Inserto

S224

.PT





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	a_p	HIS	Nuance Leghe EG55	IG35
RS224.5028.PT2	2,8	0,2	2,5	224038	▲	▲
RS224.5029.PT4	2,9	0,4	2,5	224038	▲	▲
LS224.5028.PT2	2,8	0,2	2,5	224038	▲	▲
LS224.5029.PT4	2,9	0,4	2,5	224038	▲	▲

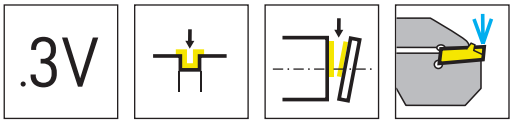
pour le porte outil H224.1...S.6.03.IK
per portainserto H224.1...S.6.03.IK

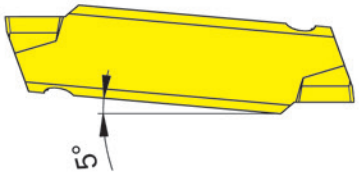
P	●	-
M	o	●
K	o	-
N	-	-
S	-	●
H	-	-

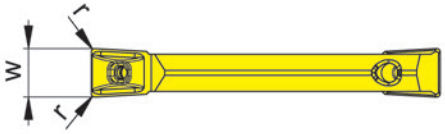
G

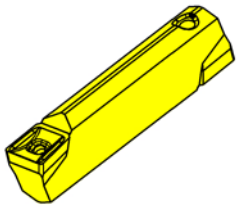
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		HP65	IG35
S224.0300.3V2.IK	3	0,2	224039		▲	▲
				P	●	-
				M	●	●
				K	●	-
				N	o	-
				S	●	●
				H	-	-

G

229/259



H

Porte outils et plaquettes

Largeur de gorge 2,5 - 10 mm

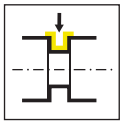
Portainserto e inserti

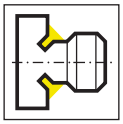
Larghezza della gola 2,5 - 10 mm

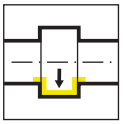
Gorge et Alésage
Gole e Alesatura

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 208-211

Porte outils
Portainserto
210/218/226/H229
219/225/213/214/H259

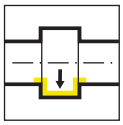

Page/Pag. 212-217, 219-221, 259


Page/Pag. 222

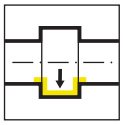

Page/Pag. 223-229

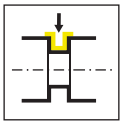
Informations techniques
Informazioni tecniche
Page/Pag. 218

Base de support
Attacco Base
B229

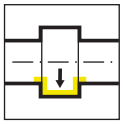

Page/Pag. 230

Cassette
Cartuccia
BK229/050


Page/Pag. 231

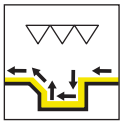
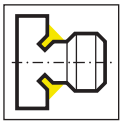

Page/Pag. 233

Cartouche
Cartuccia
257


Page/Pag. 232

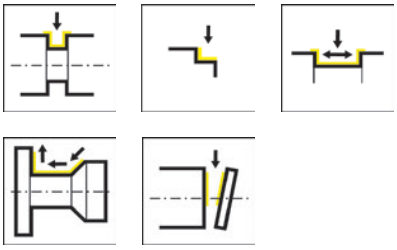
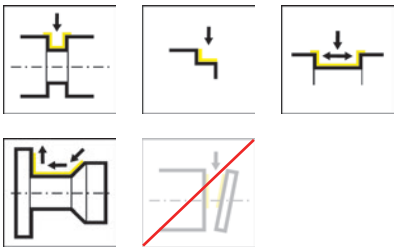
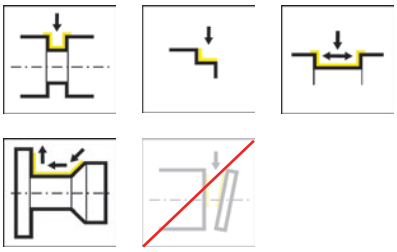
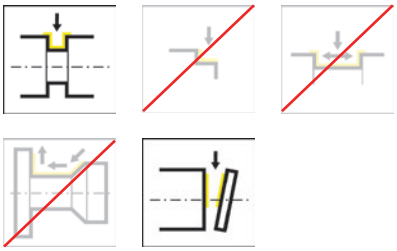
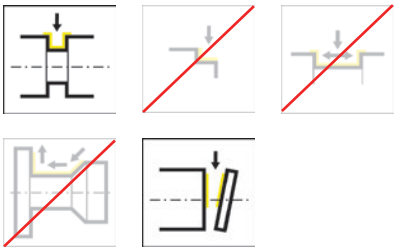
H

Plaquette amovible
Inserto
S229/229/259

.3	.5	.A	.E	.F
Page/Pag. 234, 251, 256	Page/Pag. 235	Page/Pag. 236	Page/Pag. 237	Page/Pag. 238
.FY	.3V	.H	.HR	.L
Page/Pag. 239	Page/Pag. 240	Page/Pag. 241	Page/Pag. 242	Page/Pag. 243-244
.N	.K	.KF	.KR	.10
Page/Pag. 245	Page/Pag. 246	Page/Pag. 247	Page/Pag. 248	Page/Pag. 249
.20	.NC	.FB		
Page/Pag. 250	Page/Pag. 252	Page/Pag. 253	Page/Pag. 254	Page/Pag. 255
.C	.M0			
Page/Pag. 257-258	Page/Pag. 260			

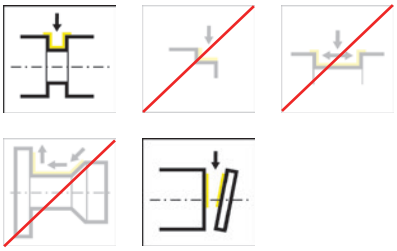
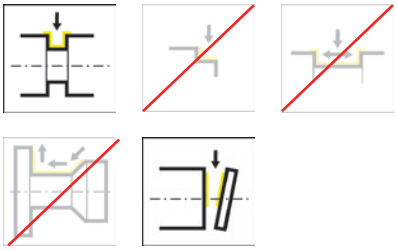
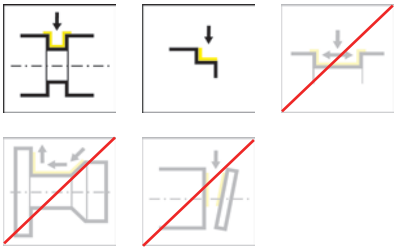
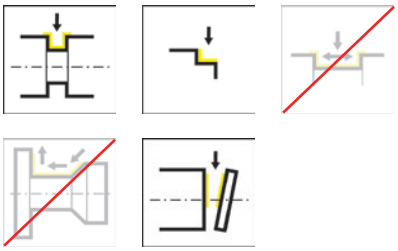
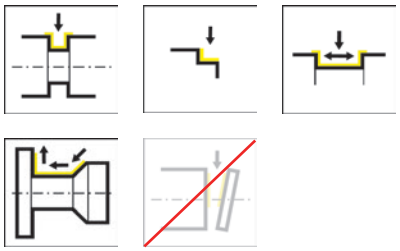
H

Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.3	P M K N S H	↓ 0,15-0,25 ↔ 0,15-0,40	
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
.A	P M K N S H	↓ 0,05-0,30 ↔ 0,10-0,30	
.E	P M K N S H	↓ 0,08-0,30	
.F	P M K N S H	↓ 0,03-0,15	

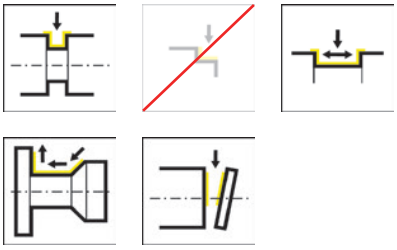
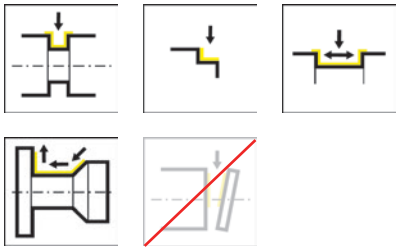
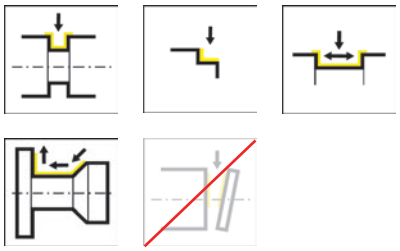
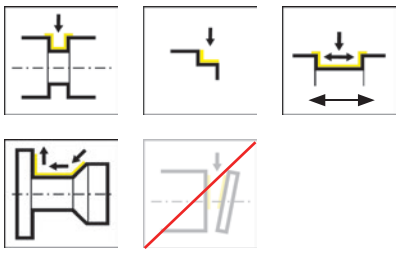
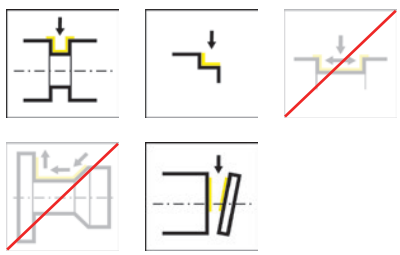
H

Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.FY	P M K N S H	0,03-0,15	
.3V	P M K N S H	0,05-0,20	
.H	P M K N S H	0,15-0,25 0,10-0,25	
.HR	P M K N S H	0,20-0,30	
.L	P M K N S H	0,10-0,22 0,05-0,20	

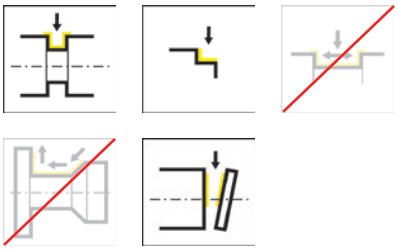
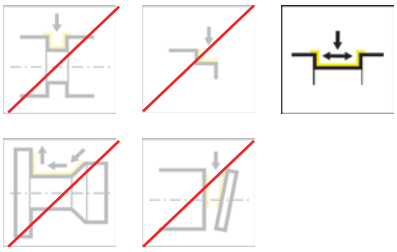
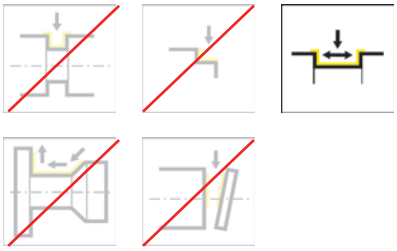
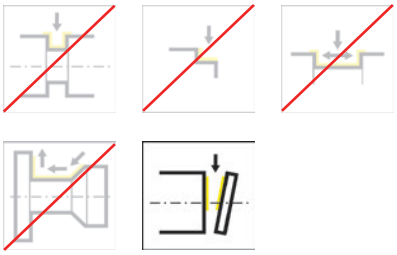
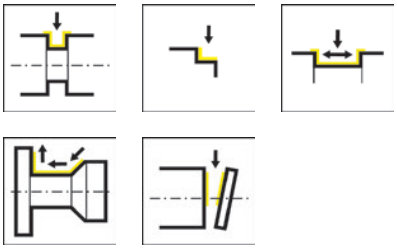
H

Géométries et avances
Geometrie e avanzamenti

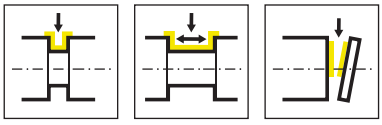
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.N	P M K N S H	↓ 0,05-0,25 ↔ 0,05-0,25	
.K	P M K N S H	↓ 0,05-0,25 ↔ 0,05-0,25	
.KF	P M K N S H	↓ 0,10-0,45 ↔ 0,05-0,25	
.KR	P M K N S H	↓ 0,25-0,5 ↔ 0,25-0,5	
.10	P M K N S H	↓ 0,05-0,15	

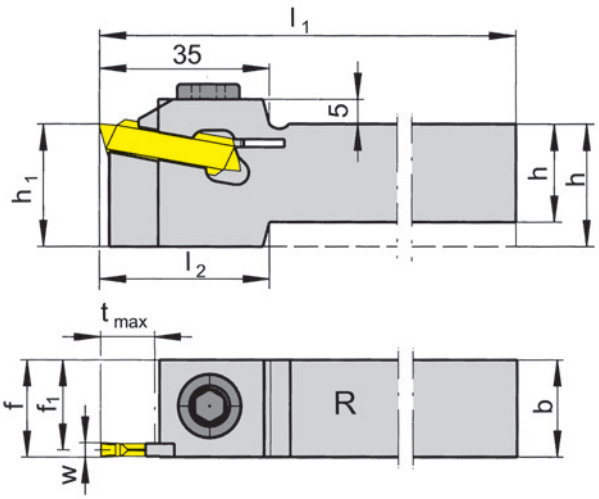
H

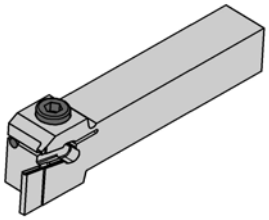
Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.20	P M K N S H	↓ 0,07-0,25	
.NC	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	
.FB	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	
.C	P M K N S H	↓ 0,02-0,10	
.M0	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	

H







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

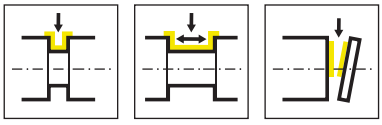
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	Plage de serrage Campo di serraggio	HWS
R210.2020.02	20	20	150	35	25	18,55	f_1+w/2	11	2,5-3,0	229020
R210.2525.02	25	25	150	-	25	23,55	f_1+w/2	11	2,5-3,0	229020
R210.1616.03	16	16	150	45	25	14,55	f_1+w/2	11	3,0-4,0	229030
R210.2020.03	20	20	150	35	25	18,55	f_1+w/2	11	3,0-4,0	229030
R210.2525.03	25	25	150	-	25	23,55	f_1+w/2	11	3,0-4,0	229030
R210.3225.03	32	25	170	-	32	23,55	f_1+w/2	11	3,0-4,0	229030
R210.2020.04	20	20	150	35	25	17,7	f_1+w/2	11	4,0-5,0	229040
R210.2525.04	25	25	150	-	25	22,7	f_1+w/2	11	4,0-5,0	229040
R210.3225.04	32	25	170	-	32	22,7	f_1+w/2	11	4,0-5,0	229040
R210.2020.05	20	20	150	35	25	17,2	f_1+w/2	11	5,1-6,0	229050 • 229051
R210.2525.05	25	25	150	-	25	22,2	f_1+w/2	11	5,1-6,0	229050 • 229051
R210.3225.05	32	25	170	-	32	22,2	f_1+w/2	11	5,1-6,0	229050 • 229051
L210.2020.02	20	20	150	35	25	18,55	f_1+w/2	11	2,5-3,0	229020
L210.2525.02	25	25	150	-	25	23,55	f_1+w/2	11	2,5-3,0	229020
L210.1616.03	16	16	150	45	25	14,55	f_1+w/2	11	3,0-4,0	229030
L210.2020.03	20	20	150	35	25	18,55	f_1+w/2	11	3,0-4,0	229030
L210.2525.03	25	25	150	-	25	23,55	f_1+w/2	11	3,0-4,0	229030
L210.3225.03	32	25	170	-	32	23,55	f_1+w/2	11	3,0-4,0	229030
L210.2020.04	20	20	150	35	25	17,7	f_1+w/2	11	4,0-5,0	229040
L210.2525.04	25	25	150	-	25	22,7	f_1+w/2	11	4,0-5,0	229040
L210.3225.04	32	25	170	-	32	22,7	f_1+w/2	11	4,0-5,0	229040
L210.2020.05	20	20	150	35	25	17,2	f_1+w/2	11	5,1-6,0	229050 • 229051
L210.2525.05	25	25	150	-	25	22,2	f_1+w/2	11	5,1-6,0	229050 • 229051
L210.3225.05	32	25	170	-	32	22,2	f_1+w/2	11	5,1-6,0	229050 • 229051

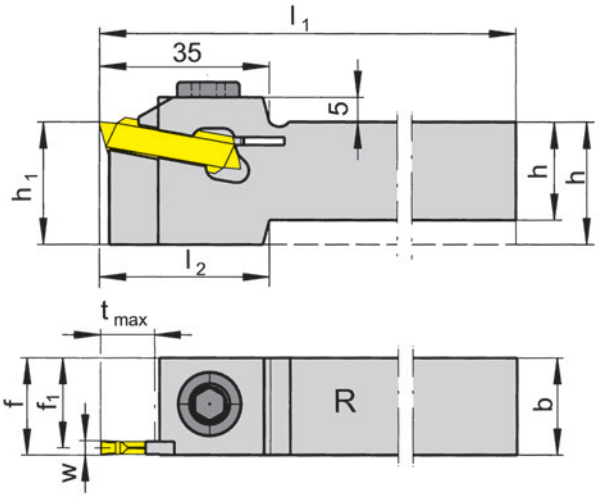
w voir plaquettes amovibles
w vd. inserti

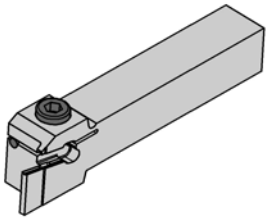
R/L 210...02 max. profondeur de gorge jusqu'à Ø 150 mm
R/L 210...02 profondità gola max. fino a Ø 150 mm

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio
R/L210...	**218.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

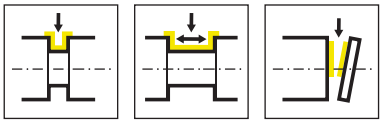
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R210.2020.07	20	20	150	35	25	16,2	f_1+w/2	11	229070 • 229071
R210.2525.07	25	25	150	-	25	21,2	f_1+w/2	11	229070 • 229071
R210.3225.07	32	25	170	-	32	21,2	f_1+w/2	11	229070 • 229071
R210.2020.08	20	20	150	35	25	16,2	f_1+w/2	11	229080 • 229081
R210.2525.08	25	25	150	-	25	21,2	f_1+w/2	11	229080 • 229081
R210.2020.09	20	20	150	35	25	15,2	f_1+w/2	11	229090 • 229091
R210.2525.09	25	25	150	-	32	20,2	f_1+w/2	11	229090 • 229091
L210.2020.07	20	20	150	35	25	16,2	f_1+w/2	11	229070 • 229071
L210.2525.07	25	25	150	-	25	21,2	f_1+w/2	11	229070 • 229071
L210.3225.07	32	25	170	-	32	21,2	f_1+w/2	11	229070 • 229071
L210.2020.08	20	20	150	35	25	16,2	f_1+w/2	11	229080 • 229081
L210.2525.08	25	25	150	-	25	21,2	f_1+w/2	11	229080 • 229081
L210.2020.09	20	20	150	35	25	15,2	f_1+w/2	11	229090 • 229091
L210.2525.09	25	25	150	-	32	20,2	f_1+w/2	11	229090 • 229091

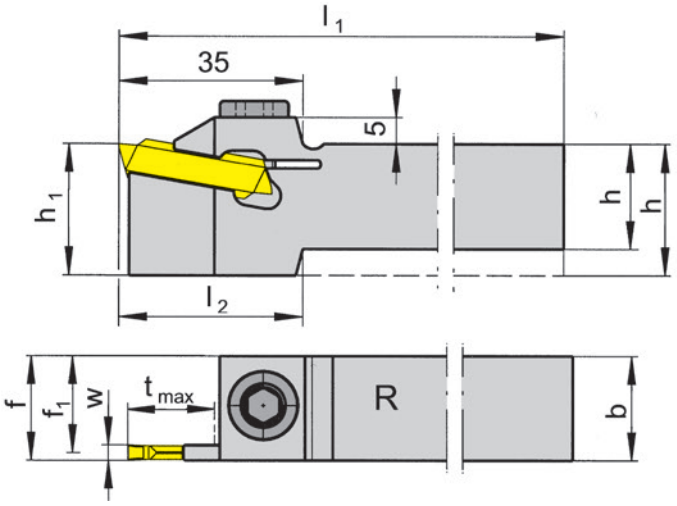
w voir plaquettes amovibles
w vd. inserti

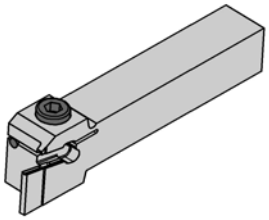
H

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L210...07-08	**218.3**		
L210....09		**L218.9**	**T15PQ**
R210....09		**R218.9**	**T15PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

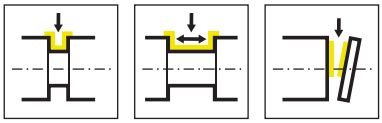
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	D_{max}	Plage de serrage Campo di serraggio	HWS
R218.2020.02	20	20	150	35	25	18,55	f_1+w/2	18	80	2,5-3,0	229020
R218.2525.02	25	25	150	-	25	23,55	f_1+w/2	18	80	2,5-3,0	229020
R218.1616.03	16	16	150	45	25	14,55	f_1+w/2	18	-	3,0-4,0	229030
R218.2020.03	20	20	150	35	25	18,55	f_1+w/2	18	-	3,0-4,0	229030
R218.2525.03	25	25	150	-	25	23,55	f_1+w/2	18	-	3,0-4,0	229030
R218.3225.03	32	25	170	-	32	23,55	f_1+w/2	18	-	3,0-4,0	229030
R218.2020.04	20	20	150	35	25	17,7	f_1+w/2	18	-	4,0-5,0	229040
R218.2525.04	25	25	150	-	25	22,7	f_1+w/2	18	-	4,0-5,0	229040
R218.3225.04	32	25	170	-	32	22,7	f_1+w/2	18	-	4,0-5,0	229040
R218.2020.05	20	20	150	35	25	17,2	f_1+w/2	18	-	5,1-6,0	229050 • 229051
R218.2525.05	25	25	150	-	25	22,2	f_1+w/2	18	-	5,1-6,0	229050 • 229051
R218.3225.05	32	25	170	-	32	22,2	f_1+w/2	18	-	5,1-6,0	229050 • 229051
L218.2020.02	20	20	150	35	25	18,55	f_1+w/2	18	80	2,5-3,0	229020
L218.2525.02	25	25	150	-	25	23,55	f_1+w/2	18	80	2,5-3,0	229020
L218.1616.03	16	16	150	45	25	14,55	f_1+w/2	18	-	3,0-4,0	229030
L218.2020.03	20	20	150	35	25	18,55	f_1+w/2	18	-	3,0-4,0	229030
L218.2525.03	25	25	150	-	25	23,55	f_1+w/2	18	-	3,0-4,0	229030
L218.3225.03	32	25	170	-	32	23,55	f_1+w/2	18	-	3,0-4,0	229030
L218.2020.04	20	20	150	35	25	17,7	f_1+w/2	18	-	4,0-5,0	229040
L218.2525.04	25	25	150	-	25	22,7	f_1+w/2	18	-	4,0-5,0	229040
L218.3225.04	32	25	170	-	32	22,7	f_1+w/2	18	-	4,0-5,0	229040
L218.2020.05	20	20	150	35	25	17,2	f_1+w/2	18	-	5,1-6,0	229050 • 229051
L218.2525.05	25	25	150	-	25	22,2	f_1+w/2	18	-	5,1-6,0	229050 • 229051
L218.3225.05	32	25	170	-	32	22,2	f_1+w/2	18	-	5,1-6,0	229050 • 229051

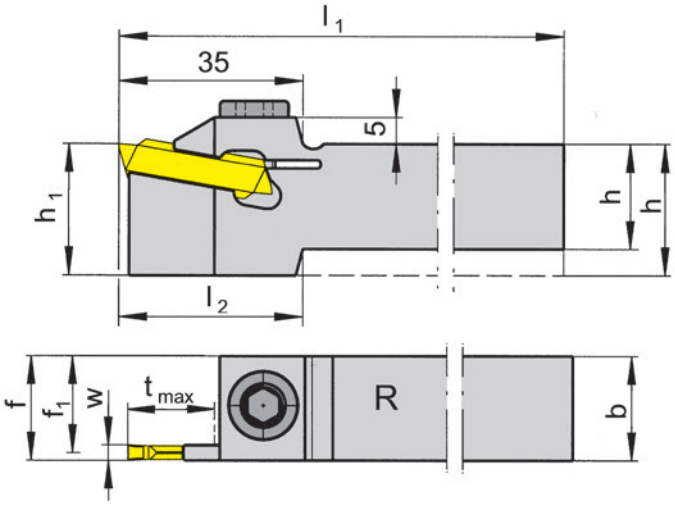
w voir plaquettes amovibles
w vd. inserti

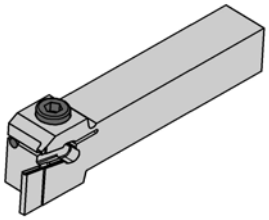
R/L 218...02 max. profondeur de gorge jusqu'à Ø 80 mm
R/L 218...02 profondità gola max. fino a Ø 80 mm

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio
R/L218...	**218.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

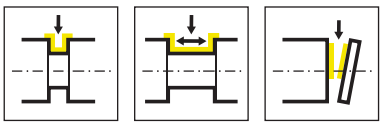
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R218.2020.07	20	20	150	35	25	16,2	f_1+w/2	18	229070 • 229071
R218.2525.07	25	25	150	-	25	21,2	f_1+w/2	18	229070 • 229071
R218.3225.07	32	25	170	-	32	21,2	f_1+w/2	18	229070 • 229071
R218.2020.09	20	20	150	35	25	15,2	f_1+w/2	18	229090 • 229091
R218.2525.09	25	25	150	-	25	20,2	f_1+w/2	18	229090 • 229091
R218.3225.09	32	25	170	-	32	20,2	f_1+w/2	18	229090 • 229091
L218.2020.07	20	20	150	35	25	16,2	f_1+w/2	18	229070 • 229071
L218.2525.07	25	25	150	-	25	21,2	f_1+w/2	18	229070 • 229071
L218.3225.07	32	25	170	-	32	21,2	f_1+w/2	18	229070 • 229071
L218.2525.08	25	25	150	-	25	21,2	f_1+w/2	18	229080 • 229081
L218.2020.09	20	20	150	35	25	15,2	f_1+w/2	18	229090 • 229091
L218.3225.09	32	25	170	-	32	20,2	f_1+w/2	18	229090 • 229091

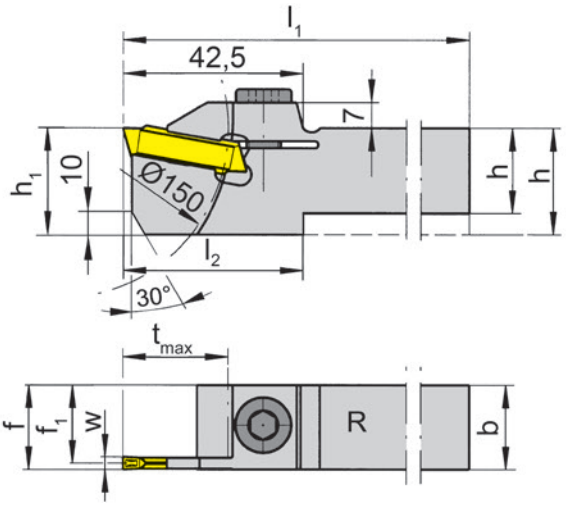
w voir plaquettes amovibles
w vd. inserti

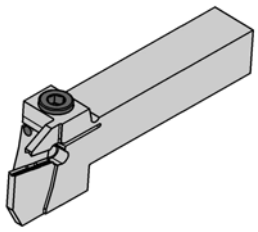
H

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L218...07-08	**218.3**		
L218....09		**L218.9**	**T15PQ**
R218....09		**R218.9**	**T15PQ**







R = version à droite représentée
R = versione destra come in figura

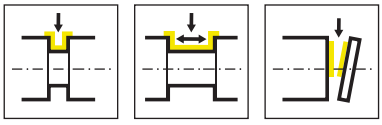
L = version à gauche
L = versione sinistra a specchio

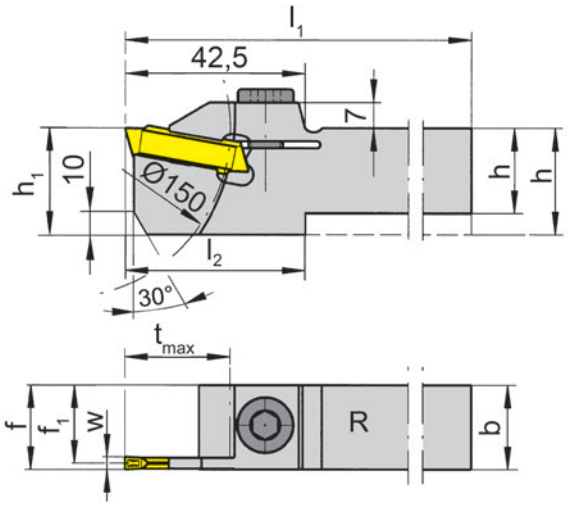
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	Plage de serrage Campo di serraggio	HWS
R226.1616.03	16	16	150	52,5	32	14,55	f_1+w/2	25	3,0-4,0	229030
R226.2020.03	20	20	150	42,5	32	18,55	f_1+w/2	25	3,0-4,0	229030
R226.2525.03	25	25	150	42,5	32	23,55	f_1+w/2	25	3,0-4,0	229030
R226.3225.03	32	25	170	-	32	23,55	f_1+w/2	25	3,0-4,0	229030
R226.1616.04	16	16	150	52,5	32	13,7	f_1+w/2	25	4,0-5,0	229040
R226.2020.04	20	20	150	42,5	32	17,7	f_1+w/2	25	4,0-5,0	229040
R226.2525.04	25	25	150	42,5	32	22,7	f_1+w/2	25	4,0-5,0	229040
R226.3225.04	32	25	170	-	32	22,7	f_1+w/2	25	4,0-5,0	229040
R226.2020.05	20	20	150	42,5	32	17,2	f_1+w/2	25	5,1-6,0	229050 • 229051
R226.2525.05	25	25	150	42,5	32	22,2	f_1+w/2	25	5,1-6,0	229050 • 229051
R226.3225.05	32	25	170	-	32	22,2	f_1+w/2	25	5,1-6,0	229050 • 229051
L226.1616.03	16	16	150	52,5	32	14,55	f_1+w/2	25	3,0-4,0	229030
L226.2020.03	20	20	150	42,5	32	18,55	f_1+w/2	25	3,0-4,0	229030
L226.2525.03	25	25	150	42,5	32	23,55	f_1+w/2	25	3,0-4,0	229030
L226.3225.03	32	25	170	-	32	23,55	f_1+w/2	25	3,0-4,0	229030
L226.1616.04	16	16	150	52,5	32	13,7	f_1+w/2	25	4,0-5,0	229040
L226.2020.04	20	20	150	42,5	32	17,7	f_1+w/2	25	4,0-5,0	229040
L226.2525.04	25	25	150	42,5	32	22,7	f_1+w/2	25	4,0-5,0	229040
L226.3225.04	32	25	170	-	32	22,7	f_1+w/2	25	4,0-5,0	229040
L226.2020.05	20	20	150	42,5	32	17,2	f_1+w/2	25	5,1-6,0	229050 • 229051
L226.2525.05	25	25	150	42,5	32	22,2	f_1+w/2	25	5,1-6,0	229050 • 229051
L226.3225.05	32	25	170	-	32	22,2	f_1+w/2	25	5,1-6,0	229050 • 229051

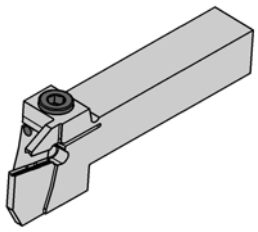
w voir plaquettes amovibles
w vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio
R/L226...	**218.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R226.2525.07	25	25	150	42,5	32	21,2	f_1+w/2	25	229070 • 229071
R226.3225.07	32	25	170	-	32	21,2	f_1+w/2	25	229070 • 229071
R226.2525.08	25	25	150	42,5	32	21,2	f_1+w/2	25	229080 • 229081
R226.3225.08	32	25	170	-	32	21,2	f_1+w/2	25	229080 • 229081
R226.2525.09	25	25	150	50	25	20,2	f_1+w/2	25	229090 • 229091
R226.3225.09	32	25	170	-	32	20,2	f_1+w/2	25	229090 • 229091
L226.2525.07	25	25	150	42,5	32	21,2	f_1+w/2	25	229070 • 229071
L226.3225.07	32	25	170	-	32	21,2	f_1+w/2	25	229070 • 229071
L226.2525.08	25	25	150	42,5	32	20,2	f_1+w/2	25	229080 • 229081
L226.3225.08	32	25	170	-	32	21,2	f_1+w/2	25	229080 • 229081
L226.2525.09	25	25	150	50	25	20,2	f_1+w/2	25	229090 • 229091
L226.3225.09	32	25	170	-	32	20,2	f_1+w/2	25	229090 • 229091

w voir plaquettes amovibles
w vd. inserti

H

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L226...07-08	**218.3**		
R/L226...09		**020.1008.0041**	**T15PQ**

Codification des porte-outils:

RH229.2020.18.0A.05.IK

- RH — Version du porte-outils → droite (R) ou gauche (L)
- 229 — Système d'outils
- 2020 — Dimensions du corps
- 18 — Profondeur de coupe max. du porte-outils
- 0A — Version porte-outils
- 05 — Largeur de gorge de la plaquette
- IK — Réfrigération

Codice del portainserto:

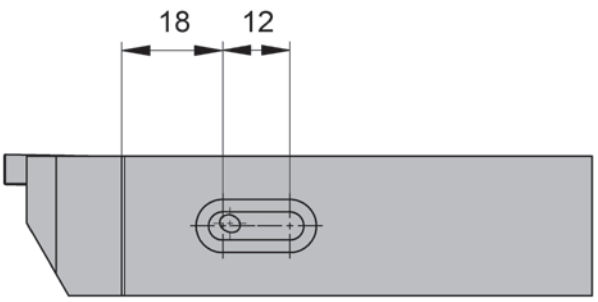
RH229.2020.18.0A.05.IK

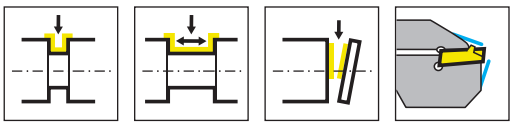
- RH — Tipo di portainserto → R destro (Right) o L sinistro (Left)
- 229 — Sistema di utensili
- 2020 — Dimensioni dell'attacco
- 18 — Profondità di taglio massima del portainserto
- 0A — Versione del portainserto
- 05 — Larghezza della gola dell'inserto
- IK — Refrigerante

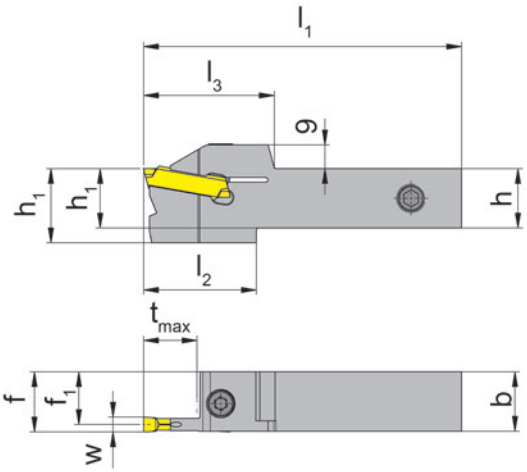
H

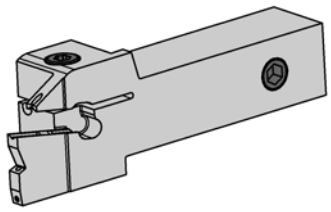
Position du passage du liquide de coupe

Posizione dell'asola adduzione refrigerante









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

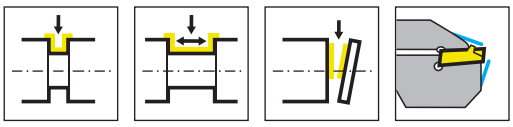
Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	w	HWS
RH229.2020.18.0A.03.IK	20	20	107	38	44	20	18,55	f_1+w/2	18	3	229030
RH229.2020.18.0A.04.IK	20	20	107	38	44	20	18,15	f_1+w/2	18	4	229040
RH229.2020.18.0A.05.IK	20	20	107	38	44	20	17,75	f_1+w/2	18	5	229040
RH229.2020.18.0A.06.IK	20	20	107	38	44	20	17,4	f_1+w/2	18	6	229051
RH229.2020.18.0A.08.IK	20	20	109	40	46	20	16,9	f_1+w/2	18	8	229081
RH229.2525.18.0A.03.IK	25	25	122	38	44	25	23,55	f_1+w/2	18	3	229030
RH229.2525.18.0A.04.IK	25	25	122	38	44	25	23,15	f_1+w/2	18	4	229040
RH229.2525.18.0A.05.IK	25	25	122	38	44	25	22,75	f_1+w/2	18	5	229040
RH229.2525.18.0A.06.IK	25	25	122	38	44	25	22,4	f_1+w/2	18	6	229051
RH229.2525.18.0A.08.IK	25	25	122	38	44	25	21,9	f_1+w/2	18	8	229081
LH229.2020.18.0A.03.IK	20	20	107	38	44	20	18,55	f_1+w/2	18	3	229030
LH229.2020.18.0A.04.IK	20	20	107	38	44	20	18,15	f_1+w/2	18	4	229040
LH229.2020.18.0A.05.IK	20	20	107	38	44	20	17,75	f_1+w/2	18	5	229040
LH229.2020.18.0A.06.IK	20	20	107	38	44	20	17,4	f_1+w/2	18	6	229051
LH229.2020.18.0A.08.IK	20	20	109	40	46	20	16,9	f_1+w/2	18	8	229081
LH229.2525.18.0A.03.IK	25	25	122	38	44	25	23,55	f_1+w/2	18	3	229030
LH229.2525.18.0A.04.IK	25	25	122	38	44	25	23,15	f_1+w/2	18	4	229040
LH229.2525.18.0A.05.IK	25	25	122	38	44	25	22,75	f_1+w/2	18	5	229040
LH229.2525.18.0A.06.IK	25	25	122	38	44	25	22,4	f_1+w/2	18	6	229051
LH229.2525.18.0A.08.IK	25	25	122	38	44	25	21,9	f_1+w/2	18	8	229081

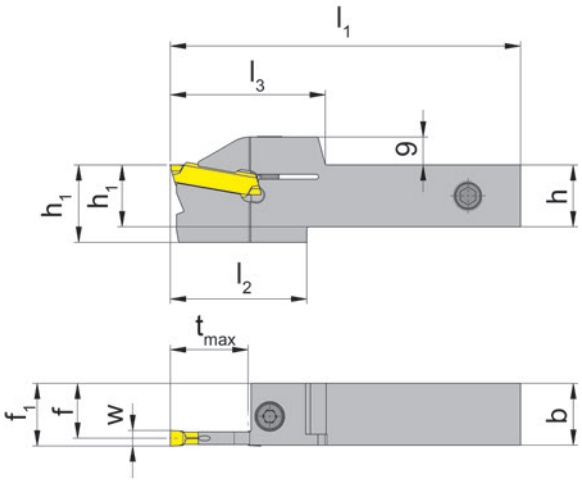
Pièces Détachées
Ricambi

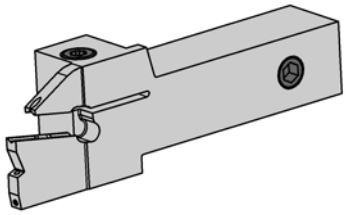
Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH229...	**004.00.16**	**6.23T25P**	**T25PQ**

Porte outils
Portainserto

H229







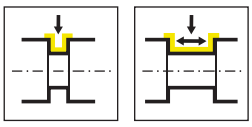
R = version à droite représentée
R = versione destra come in figura

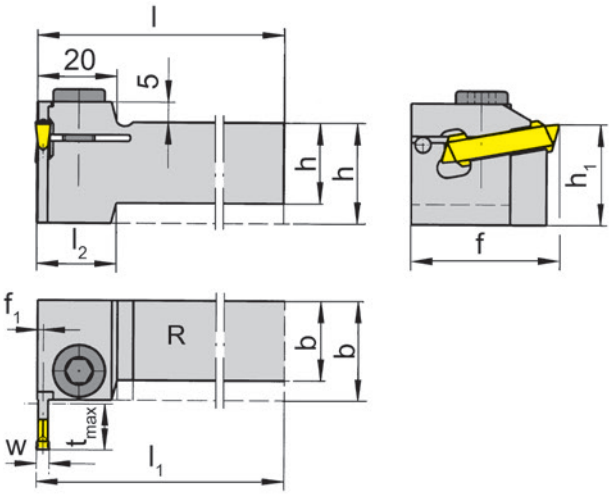
L = version à gauche
L = versione sinistra a specchio

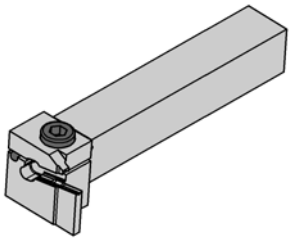
Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	w	HWS
RH229.2020.25.0A.03.IK	20	20	113	44	50	20	18,55	f_1+w/2	25	3	229030
RH229.2020.25.0A.04.IK	20	20	113	44	50	20	18,15	f_1+w/2	25	4	229040
RH229.2020.25.0A.05.IK	20	20	113	44	50	20	17,75	f_1+w/2	25	5	229040
RH229.2020.25.0A.06.IK	20	20	113	44	50	20	17,4	f_1+w/2	25	6	229051
RH229.2020.25.0A.08.IK	20	20	113	44	50	20	16,9	f_1+w/2	25	8	229081
RH229.2525.25.0A.03.IK	25	25	128	44	50	25	23,55	f_1+w/2	25	3	229030
RH229.2525.25.0A.04.IK	25	25	128	44	50	25	23,15	f_1+w/2	25	4	229040
RH229.2525.25.0A.05.IK	25	25	128	44	50	25	22,75	f_1+w/2	25	5	229040
RH229.2525.25.0A.06.IK	25	25	128	44	50	25	22,4	f_1+w/2	25	6	229051
RH229.2525.25.0A.08.IK	25	25	128	44	50	25	21,9	f_1+w/2	25	8	229081
LH229.2020.25.0A.03.IK	20	20	113	44	50	20	18,55	f_1+w/2	25	3	229030
LH229.2020.25.0A.04.IK	20	20	113	44	50	20	18,15	f_1+w/2	25	4	229040
LH229.2020.25.0A.05.IK	20	20	113	44	50	20	17,75	f_1+w/2	25	5	229040
LH229.2020.25.0A.06.IK	20	20	113	44	50	20	17,4	f_1+w/2	25	6	229051
LH229.2020.25.0A.08.IK	20	20	113	44	50	20	16,9	f_1+w/2	25	8	229081
LH229.2525.25.0A.03.IK	25	25	128	44	50	25	23,55	f_1+w/2	25	3	229030
LH229.2525.25.0A.04.IK	25	25	128	44	50	25	23,15	f_1+w/2	25	4	229040
LH229.2525.25.0A.05.IK	25	25	128	44	50	25	22,75	f_1+w/2	25	5	229040
LH229.2525.25.0A.06.IK	25	25	128	44	50	25	22,4	f_1+w/2	25	6	229051
LH229.2525.25.0A.08.IK	25	25	128	44	50	25	21,9	f_1+w/2	25	8	229081

Pièces Détachées
Ricambi

Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH229...	**004.00.16**	**6.23T25P**	**T25PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

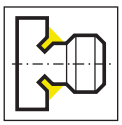
Numéro de commande Codice prodotto	h	b	l	l_1	l_2	h_1	f	f_1	t_{max}	Plage de serrage Campo di serraggio	HWS
R219.2020.03	20	20	150	l-f_1+w/2	20	25	37	1,45	11	3,0-4,0	229030
R219.2525.03	25	25	150	l-f_1+w/2	-	25	37	1,45	11	3,0-4,0	229030
R219.2020.04	20	20	150	l-f_1+w/2	20	25	37	2,3	11	4,0-5,0	229040
R219.2525.04	25	25	150	l-f_1+w/2	-	25	37	2,3	11	4,0-5,0	229040
R219.2020.05	20	20	150	l-f_1+w/2	23	25	45	2,8	15	5,1-6,0	229050 • 229051
R219.2525.05	25	25	150	l-f_1+w/2	-	25	45	2,8	15	5,1-6,0	229050 • 229051
R219.2020.07	20	20	150	l-f_1+w/2	23	25	45	3,8	15	6,1-8,0	229070 • 229071
R219.2525.07	25	25	150	l-f_1+w/2	-	25	45	3,8	15	6,1-8,0	229070 • 229071
L219.2020.03	20	20	150	l-f_1+w/2	20	25	37	1,45	11	3,0-4,0	229030
L219.2525.03	25	25	150	l-f_1+w/2	-	25	37	1,45	11	3,0-4,0	229030
L219.2020.04	20	20	150	l-f_1+w/2	20	25	37	2,3	11	4,0-5,0	229040
L219.2525.04	25	25	150	l-f_1+w/2	-	25	37	2,3	11	4,0-5,0	229040
L219.2020.05	20	20	150	l-f_1+w/2	23	25	45	2,8	15	5,1-6,0	229050 • 229051
L219.2525.05	25	25	150	l-f_1+w/2	-	25	45	2,8	15	5,1-6,0	229050 • 229051
L219.2020.07	20	20	150	l-f_1+w/2	23	25	45	3,8	15	6,1-8,0	229070 • 229071
L219.2525.07	25	25	150	l-f_1+w/2	-	25	45	3,8	15	6,1-8,0	229070 • 229071

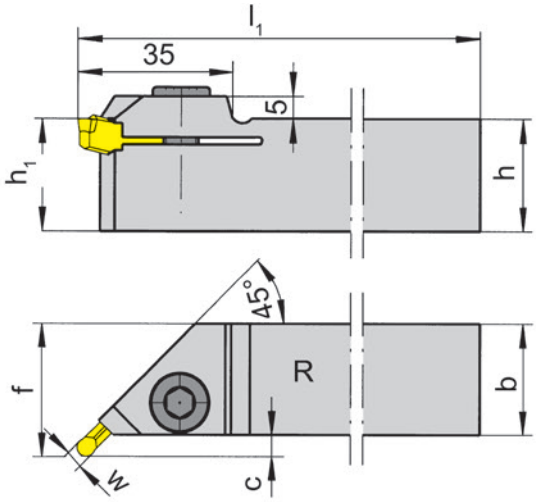
w voir plaquettes amovibles
w vd. inserti

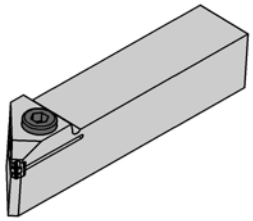
H

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio
R/L219...	**218.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	C	D_{min}	Largeur de coupe Larghezza della gola	HWS
R225.2525.04	25	25	150	25	30	5	50	3,00-5,09	229040
R225.2525.05	25	25	150	25	30,5	5,5	50	5,10-6,00	229050 • 229051
L225.2525.04	25	25	150	25	30	5	50	3,00-5,09	229040
L225.2525.05	25	25	150	25	30,5	5,5	50	5,10-6,00	229050 • 229051

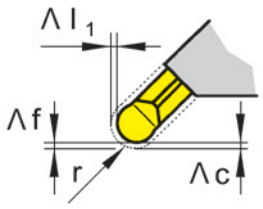
w voir plaquettes amovibles
w vd. inserti

H

Facteur de correction Λ l_1, Λ c et Λ f en fonction du rayon r

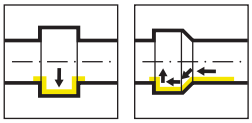
Fattore di correzione Λ l1, Λ c e Λ f in fuzione del raggio r

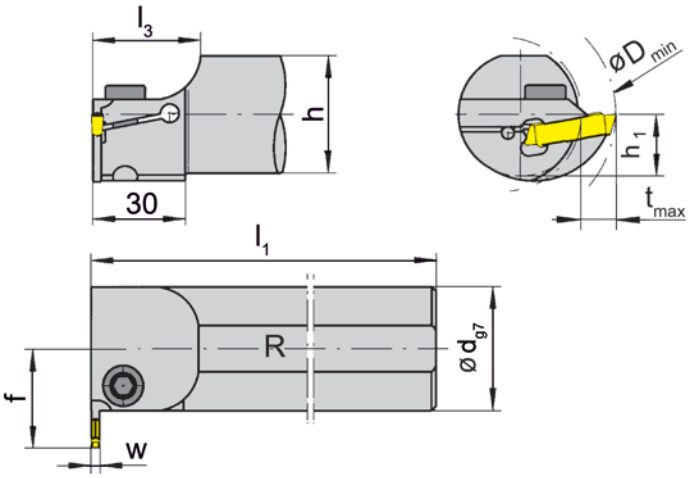
r	Λ l_1	Λ c	Λ f
2,5-3	0	0	0
2	-0,147	-0,147	-0,147
1,5	-0,293	-0,293	-0,293

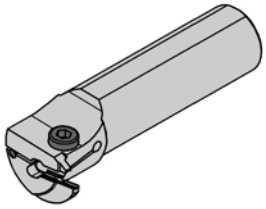


Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio
R/L225...	**218.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

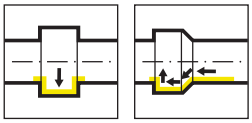
Numéro de commande Codice prodotto	d	l_1	l_3	h	h_1	f	t_{max}	D_{min}	Plage de serrage Campo di serraggio	HWS
R213.0032.0.03	32	150	35	30	15	28	11,5	46	3,0-4,0	229030
R213.0040.0.03	40	180	39,4	38	19	32	11,5	54	3,0-4,0	229030
R213.0032.0.04	32	150	35	30	15	28	11,5	46	4,0-5,0	229040
R213.0040.0.04	40	180	39,4	38	19	32	11,5	54	4,0-5,0	229040
R213.0032.0.05	32	150	35	30	15	28	11,5	46	5,1-6,0	229051
R213.0040.0.05	40	180	39,4	38	19	32	11,5	54	5,1-6,0	229051
L213.0032.0.03	32	150	35	30	15	28	11,5	46	3,0-4,0	229030
L213.0040.0.03	40	180	39,4	38	19	32	11,5	54	3,0-4,0	229030
L213.0032.0.04	32	150	35	30	15	28	11,5	46	4,0-5,0	229040
L213.0040.0.04	40	180	39,4	38	19	32	11,5	54	4,0-5,0	229040
L213.0032.0.05	32	150	35	30	15	28	11,5	46	5,1-6,0	229051
L213.0040.0.05	40	180	39,4	38	19	32	11,5	54	5,1-6,0	229051

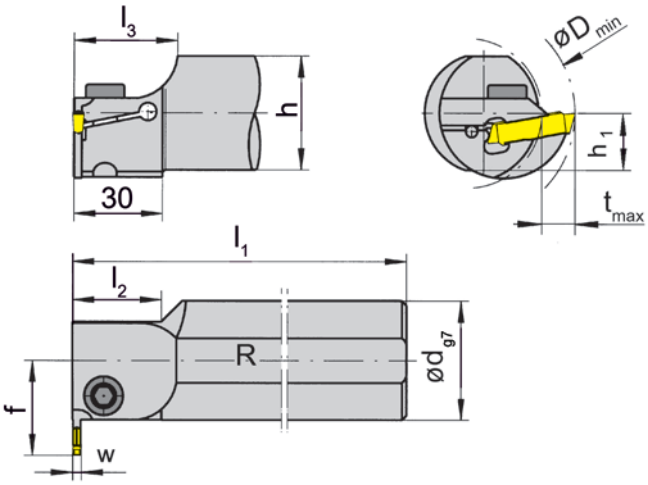
w voir plaquettes amovibles
w vd. inserti

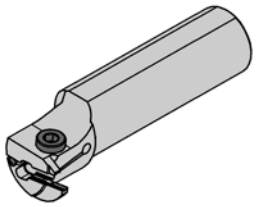
H

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio
R/L213...	**218.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

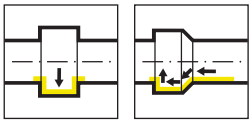
Numéro de commande Codice prodotto	d	l_1	l_2	l_3	h	h_1	f	t_{max}	D_{min}	Plage de serrage Campo di serraggio	HWS
R213.0025.03	25	150	-	31,8	23	11,5	24,5	7,5	38	3,0-4,0	229030
R213.0032.03	32	150	30	35	30	15	28	7,5	38	3,0-4,0	229030
R213.0040.03	40	180	30	37,4	38	19	32	11,5	50	3,0-4,0	229030
R213.0050.03	50	200	30	39,1	47	23,5	40,5	15	60	3,0-4,0	229030
R213.0025.04	25	150	-	31,8	23	11,5	24,5	7,5	38	4,0-5,0	229040
R213.0032.04	32	150	30	35	30	15	28	7,5	38	4,0-5,0	229040
R213.0040.04	40	180	30	37,4	38	19	32	11,5	50	4,0-5,0	229040
R213.0050.04	50	200	30	39,1	47	23,5	40,5	15	60	4,0-5,0	229040
R213.0032.05	32	150	-	35	30	15	28	11,5	46	5,1-6,0	229051
R213.0040.05	40	180	30	35	38	19	32	11,5	50	5,1-6,0	229051
R213.0050.05	50	200	30	40	47	23,5	40,5	15	60	5,1-6,0	229051
R213.0040.07	40	180	30	35	38	19	32	11,5	50	6,1-8,0	229070 • 229071
R213.0050.07	50	200	30	40	47	23,5	40,5	15	60	6,1-8,0	229070 • 229071
L213.0025.03	25	150	-	31,8	23	11,5	24,5	7,5	38	3,0-4,0	229030
L213.0032.03	32	150	30	35	30	15	28	7,5	38	3,0-4,0	229030
L213.0040.03	40	180	30	37,4	38	19	32	11,5	50	3,0-4,0	229030
L213.0050.03	50	200	30	39,1	47	23,5	40,5	15	60	3,0-4,0	229030
L213.0025.04	25	150	-	31,8	23	11,5	24,5	7,5	38	4,0-5,0	229040
L213.0032.04	32	150	-	35	30	15	28	7,5	38	4,0-5,0	229040
L213.0040.04	40	180	30	37,4	38	19	32	11,5	50	4,0-5,0	229040
L213.0050.04	50	200	30	39,1	47	23,5	40,5	15	60	4,0-5,0	229040
L213.0032.05	32	150	-	35	30	15	28	11,5	46	5,1-6,0	229051
L213.0040.05	40	180	30	35	38	19	32	11,5	50	5,1-6,0	229051
L213.0050.05	50	200	30	40	47	23,5	40,5	15	60	5,1-6,0	229051
L213.0040.07	40	180	30	35	38	19	32	11,5	50	6,1-8,0	229070 • 229071
L213.0050.07	50	200	30	40	47	23,5	40,5	15	60	6,1-8,0	229070 • 229071

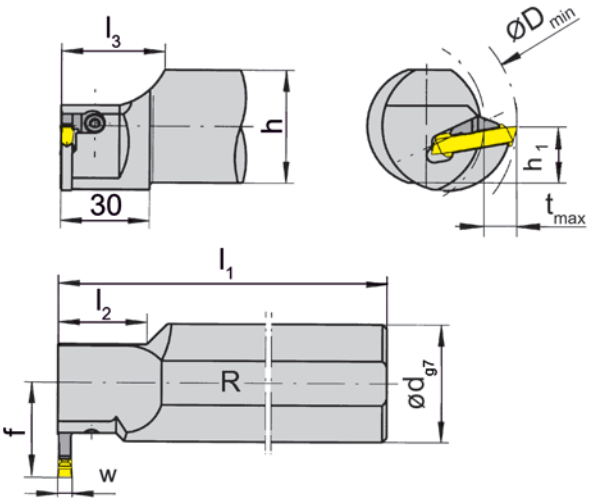
w voir plaquettes amovibles
w vd. inserti

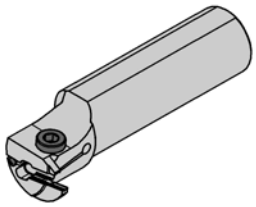
Le tmax = 11,5 mm sera atteint dans un Dmin 46 mm
La piena profondità di taglio tmax = 11,5 mm può essere raggiunta solo a partire da Dmin 46 mm

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio
R/L213...	**218.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

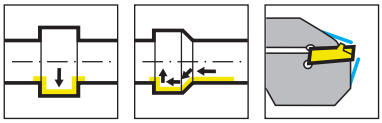
Numéro de commande Codice prodotto	d	l_1	l_2	l_3	h	h_1	f	t_{max}	D_{min}	Plage de serrage Campo di serraggio	HWS
R213.0040.09	40	180	30	35	38	19	32	11,5	50	8,1-10,4	229091
R213.0050.09	50	200	30	40	47	23,5	40,5	15	60	8,1-10,4	229091
L213.0040.09	40	180	30	35	38	19	32	11,5	50	8,1-10,4	229091
L213.0050.09	50	200	30	40	47	23,5	40,5	15	60	8,1-10,4	229091

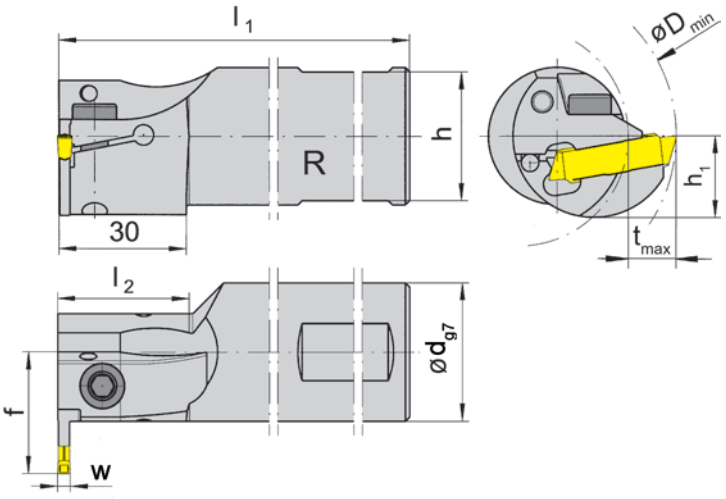
w voir plaquettes amovibles
w vd. inserti

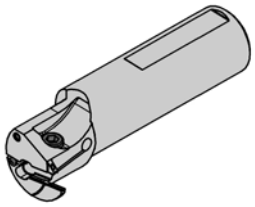
H

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
L213.0...	**R218.9**	**T15PQ**
R213.0...	**L218.9**	**T15PQ**







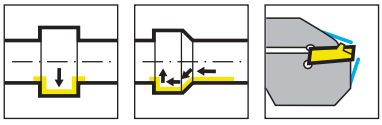
R = version à droite représentée
R = versione destra come in figura

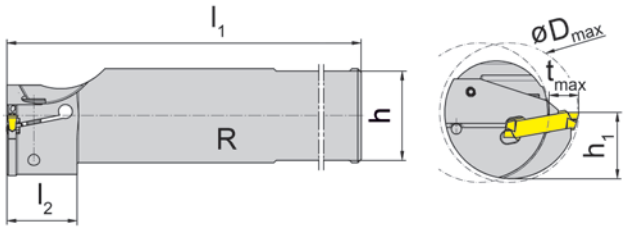
L = version à gauche
L = versione sinistra a specchio

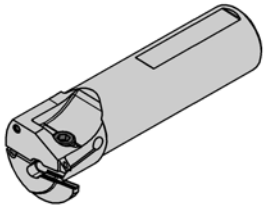
Numéro de commande Codice prodotto	d	l_1	l_2	h	h_1	f	t_{max}	D_{min}	Plage de serrage Campo di serraggio	HWS
R213.0025.03IK	25	150	-	23	11,5	24,5	7,5	38	3-4	229030
R213.0025.04IK	25	150	-	23	11,5	24,5	7,5	38	4-5	229040
R213.0032.03IK	32	150	30	30	15	28	7,5	38	3-4	229030
R213.0032.04IK	32	150	30	30	15	28	7,5	38	4-5	229040
R213.0040.03IK	40	180	30	38	19	32	11,5	50	3-4	229030
R213.0040.04IK	40	180	30	38	19	32	11,5	50	4-5	229040
L213.0025.03IK	25	150	-	23	11,5	24,5	7,5	38	3-4	229030
L213.0025.04IK	25	150	-	23	11,5	24,5	7,5	38	4-5	229040
L213.0032.03IK	32	150	30	30	15	28	7,5	38	3-4	229030
L213.0032.04IK	32	150	30	30	15	28	7,5	38	4-5	229040
L213.0040.03IK	40	180	30	38	19	32	11,5	50	3-4	229030
L213.0040.04IK	40	180	30	38	19	32	11,5	50	4-5	229040

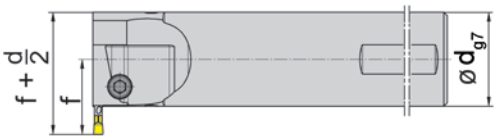
w voir plaquettes amovibles
w vd. inserti

Selon porte outils avec Ø 25 ou 32 mm
Le tmax = 11,5 mm sera atteint dans un Dmin 46 mm
Rif. portainserto con gambo Ø 25 o 32 mm
La piena profondità di taglio tmax = 11,5 mm può essere raggiunta solo a partire da Dmin 46 mm









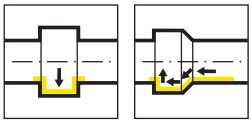
R = version à droite représentée
R = versione destra come in figura

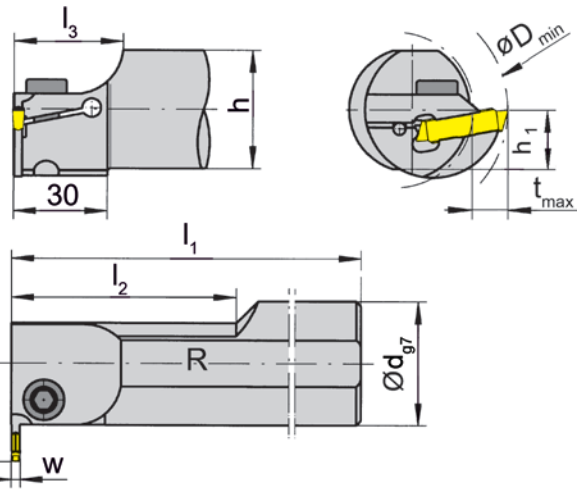
L = version à gauche
L = versione sinistra a specchio

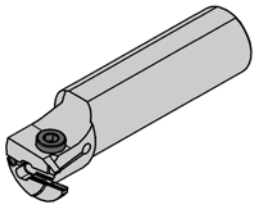
Numéro de commande Codice prodotto	d	l_1	l_2	h	h_1	f	t_{max}	D_{min}	Plage de serrage Campo di serraggio	HWS
R213.0032.0.03IK	32	150	30	30	15	28	11,5	46	3,0-4,0	229030
R213.0032.0.04IK	32	150	30	30	15	28	11,5	46	4,0-5,0	229040
R213.0040.0.04IK	40	180	30	38	19	32	11,5	54	4,0-5,0	229040
R213.0040.0.05IK	40	180	30	38	19	32	11,5	54	5,1-6,0	229051
L213.0032.0.03IK	32	150	30	30	15	28	11,5	46	3,0-4,0	229030
L213.0032.0.04IK	32	150	30	30	15	28	11,5	46	4,0-5,0	229040
L213.0040.0.04IK	40	180	30	38	19	32	11,5	54	4,0-5,0	229040
L213.0040.0.05IK	40	180	30	38	19	32	11,5	54	5,1-6,0	229051

w voir plaquettes amovibles
w vd. inserti

H







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

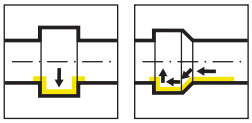
Numéro de commande Codice prodotto	d	l_1	l_2	l_3	h	h_1	f	t_{max}	D_{min}	Plage de serrage Campo di serraggio	HWS
R214.0032.03	32	200	70	35	30	15	28	7,5	38	3,0-4,0	229030
R214.0040.03	40	250	80	35	38	19	32	11,5	50	3,0-4,0	229030
R214.0050.03	50	250	100	40	47	23,5	40,5	15	60	3,0-4,0	229030
R214.0032.04	32	200	70	35	30	15	28	7,5	38	4,0-5,0	229040
R214.0040.04	40	250	80	35	38	19	32	11,5	50	4,0-5,0	229040
R214.0050.04	50	250	100	40	47	23,5	40,5	15	60	4,0-5,0	229040
R214.0032.05	32	200	-	35	30	15	28	11,5	46	5,1-6,0	229050 • 229051
R214.0040.05	40	250	80	35	38	19	32	11,5	50	5,1-6,0	229050 • 229051
R214.0050.05	50	250	100	40	47	23,5	40,5	15	60	5,1-6,0	229050 • 229051
R214.0040.07	40	250	80	35	38	19	32	11,5	50	6,1-8,0	229070 • 229071
R214.0050.07	50	250	100	40	47	23,5	40,5	15	60	6,1-8,0	229070 • 229071
L214.0032.03	32	200	70	35	30	15	28	7,5	38	3,0-4,0	229030
L214.0040.03	40	250	80	35	38	19	32	11,5	50	3,0-4,0	229030
L214.0050.03	50	250	100	40	47	23,5	40,5	15	60	3,0-4,0	229030
L214.0032.04	32	200	70	35	30	15	28	7,5	38	4,0-5,0	229040
L214.0040.04	40	250	80	35	38	19	32	11,5	50	4,0-5,0	229040
L214.0050.04	50	250	100	40	47	23,5	40,5	15	60	4,0-5,0	229040
L214.0032.05	32	200	-	35	30	15	28	11,5	46	5,1-6,0	229050 • 229051
L214.0040.05	40	250	80	35	38	19	32	11,5	50	5,1-6,0	229050 • 229051
L214.0050.05	50	250	100	40	47	23,5	40,5	15	60	5,1-6,0	229050 • 229051
L214.0040.07	40	250	80	35	38	19	32	11,5	50	6,1-8,0	229070 • 229071
L214.0050.07	50	250	100	40	47	23,5	40,5	15	60	6,1-8,0	229070 • 229071

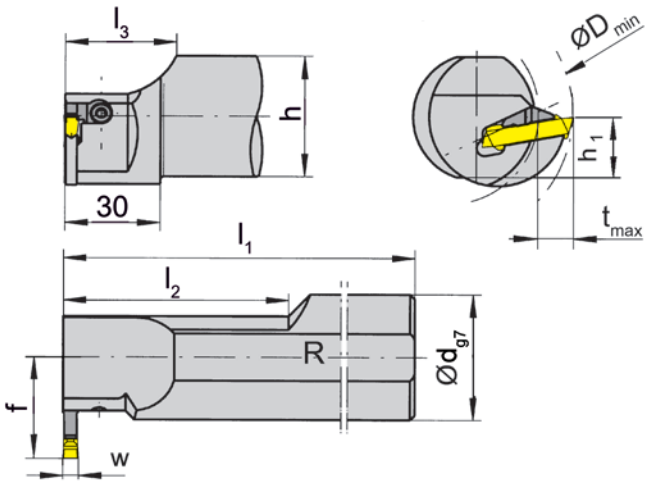
w voir plaquettes amovibles
w vd. inserti

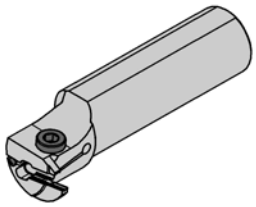
Selon porte outils avec Ø 25 ou 32 mm
Le tmax = 11,5 mm sera atteint dans un Dmin 46 mm
Rif. portainserto con gambo Ø 25 o 32 mm
La piena profondità di taglio tmax = 11,5 mm può essere raggiunta solo a partire da Dmin 46 mm

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio
R/L214...	**218.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	l_2	l_3	h	h_1	f	t_{max}	D_{min}	Plage de serrage Campo di serraggio	HWS
R214.0040.09	40	250	80	35	38	19	32	11,5	50	8,1-10,4	229091
R214.0050.09	50	250	100	40	47	23,5	40,5	15	60	8,1-10,4	229091
L214.0040.09	40	250	80	35	38	19	32	11,5	50	8,1-10,4	229091
L214.0050.09	50	250	100	40	47	23,5	40,5	15	60	8,1-10,4	229091

w voir plaquettes amovibles
w vd. inserti

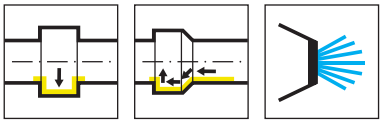
H

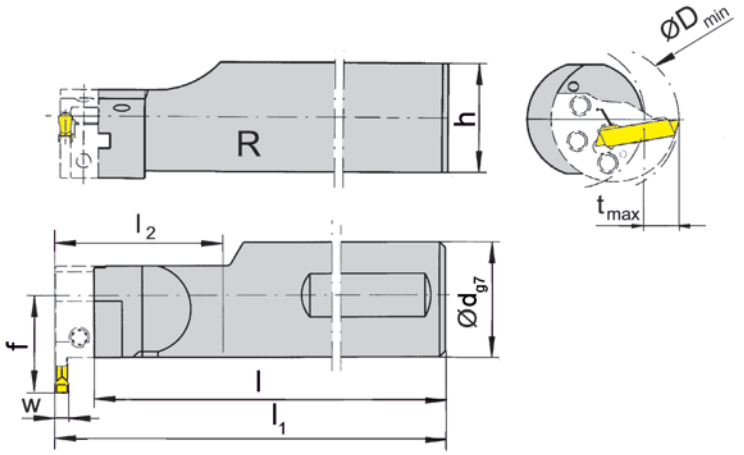
Pièces Détachées
Ricambi

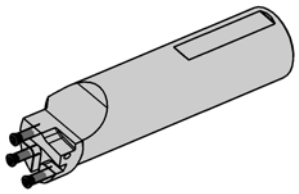
Porte outils Portainserto	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
L214.0...	**R218.9**	**T15PQ**
R214.0...	**L218.9**	**T15PQ**

Base de support
Attacco Base

B229







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l	l_2	h	f	HWS
RB229.0040.1.K2.IK	40	172,5	30	38	35,5	BK2291
RB229.0040.2.K2.IK	40	185,5	60	38	35,5	BK2291
RB229.0040.3.K2.IK	40	215,5	90	38	35,5	BK2291
LB229.0040.1.K2.IK	40	172,5	30	38	35,5	BK2292
LB229.0040.2.K2.IK	40	185,5	60	38	35,5	BK2292
LB229.0040.3.K2.IK	40	215,5	90	38	35,5	BK2292

w voir plaquettes amovibles
w vd. inserti

Note:
pour cassettes BK229 **avec** arrosage interne
Nota:
per cartucce BK229 con lubrorefrigerante

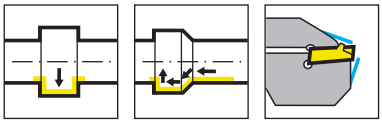
H

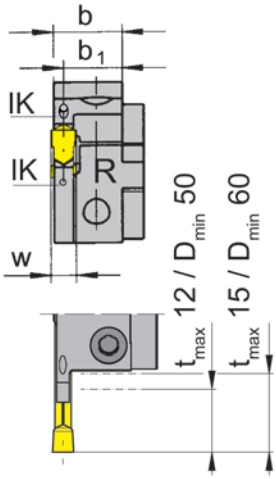
Pièces Détachées
Ricambi

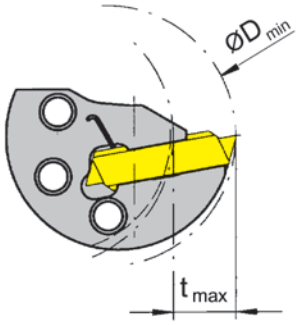
Base de support Attacco Base	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB229...	**030.0518.T20P**	**T20PQ**

Cassette
Cartuccia

BK229









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	b	b_1	Plage de serrage Campo di serraggio	HWS	HMS
RBK229.0050.03.IK	14,2	13	3,00-4,00	229030	BK2291
RBK229.0050.04.IK	14,15	12,5	4,00-5,09	229040	BK2291
RBK229.0050.05.IK	13,8	11,5	5,10-6,00	229050 • 229051	BK2291
LBK229.0050.03.IK	14,2	13	3,00-4,00	229030	BK2292
LBK229.0050.04.IK	14,15	12,5	4,00-5,09	229040	BK2292
LBK229.0050.05.IK	13,8	11,5	5,10-6,00	229050 • 229051	BK2292

w voir plaquettes amovibles
w vd. inserti

Note:
pour base du support B229 **avec** arrosage interne
Nota:
per attacco base B229 con lubrorefrigerante

La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

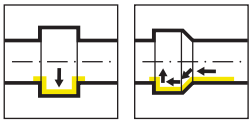
Profondeur de gorge selon le ø d'alésage
Profondità gola in funzione al ø del foro

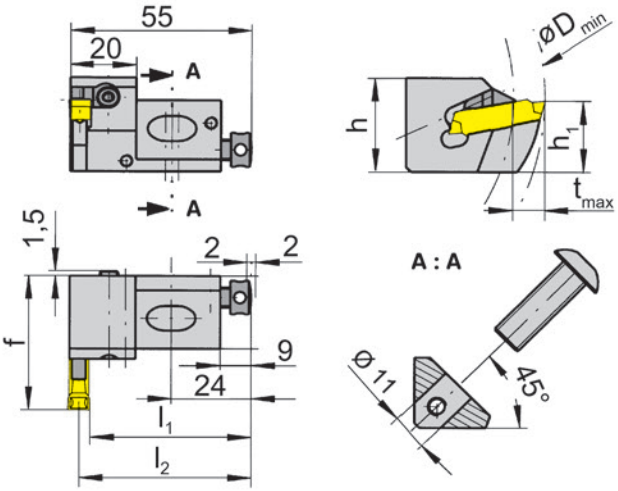
Dmin	tmax
50	12
60	15

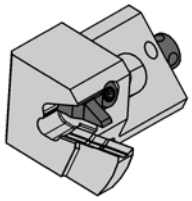
Pièces Détachées
Ricambi

Cassette Cartuccia	**Vis de serraggio** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LBK229...	**5.13T20EP**	**T20PQ**

H





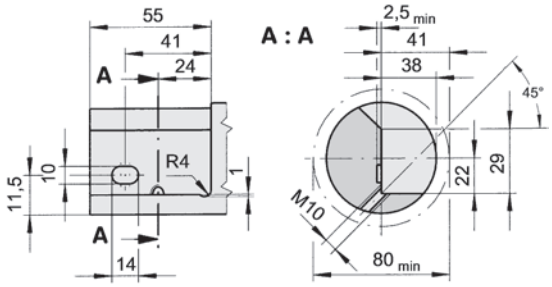


R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

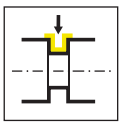
Numéro de commande Codice prodotto	h	h_1	f	l_2	l_1
R257.2222.05	29	22	42	52,2	l_2-w/2
R257.2222.07	29	22	42	51,2	l_2-w/2
R257.2222.09	29	22	42	50,2	l_2-w/2
L257.2222.05	29	22	42	52,2	l_2-w/2
L257.2222.07	29	22	42	51,2	l_2-w/2
L257.2222.09	29	22	42	50,2	l_2-w/2

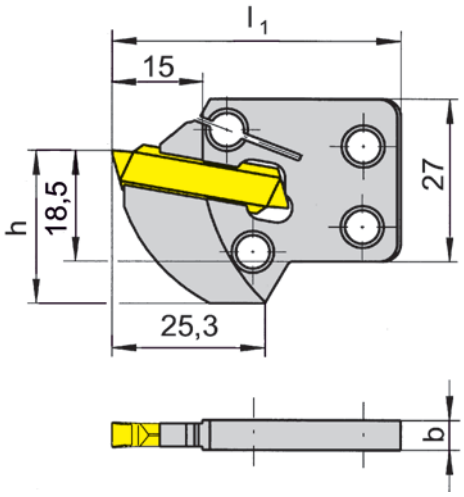
w voir plaquettes amovibles
w vd. inserti

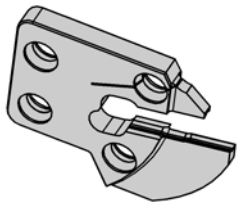


Pièces Détachées
Ricambi

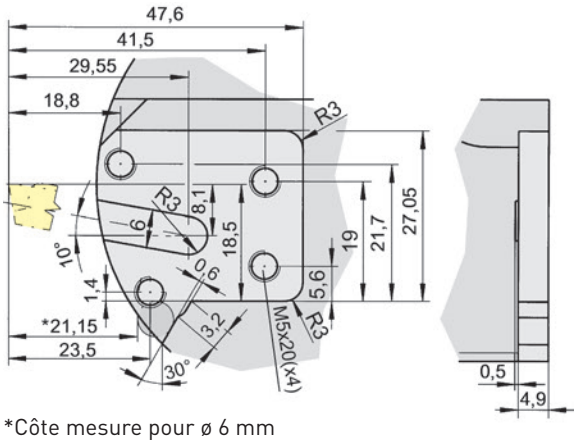
Cartouche Cartuccia	**Vis de serrage** Vite di serraggio	**Vis** Vite	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L257.2222.05	**218.3**	**6.12.020**		
R/L257.2222.07	**4.08.913**	**6.12.020**	**R218.5.7.32**	**T15PQ**
R/L257.2222.09	**4.08.913**	**6.12.020**	**R218.9.32**	**T15PQ**







Numéro de commande Codice prodotto	D_{min}	$D_{min}2$	t_{max}	b	l_1	h	HWS	HMS
050.1827.0009	62	80	10-14	4,9	47	18,5	229040	500000
050.1827.0071	62	80	10-14	4,9	47	18,5	229030	500000

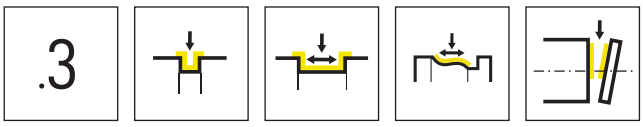


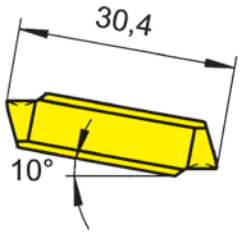
*Côte mesure pour ø 6 mm
Su spina di riferimento ø 6 mm

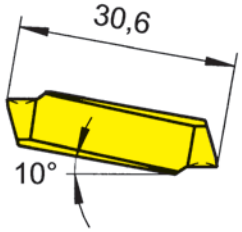
H

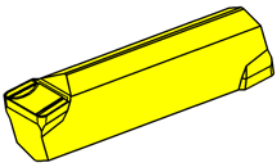
Plaquette amovible
Inserto

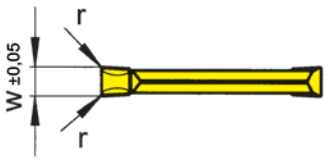
S229

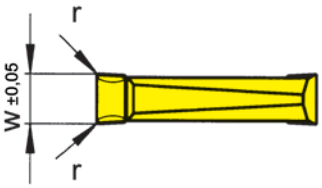












Largeur 3 - 5 mm
Larghezza 3 - 5 mm

Largeur 6 - 10 mm
Larghezza 6 - 10 mm

Nuance
Leghe

▲ en stock
a stock

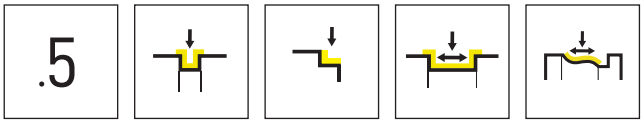
Δ 4 semaines
4 settimane

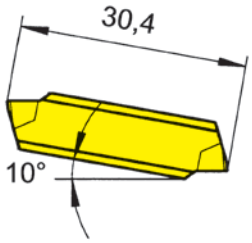
Numéro de commande Codice prodotto	w	r	HIS	AL96	AS62	AS66	H54	IG66	TF45	TI22	TI25	TN32	TN35
S229.0300.32	3	0,2	229020 • 229030		▲	▲	▲	▲	▲		▲	▲	▲
S229.0300.34	3	0,4	229020 • 229030	▲	▲	▲	▲	▲	▲	Δ	▲	▲	▲
S229.0400.32	4	0,2	229030 • 229040		▲	▲	▲	▲	▲		▲	▲	▲
S229.0400.34	4	0,4	229030 • 229040		▲	▲	▲	▲	▲	Δ	▲	▲	▲
S229.0500.34	5	0,4	229040		▲	▲	Δ	▲	▲	▲	▲	▲	▲
S229.0500.36	5	0,6	229040				Δ	▲		Δ	Δ	Δ	Δ
S229.0600.34	6	0,4	229051	▲	▲	▲	Δ	▲	▲	Δ	▲	▲	▲
S229.0600.38	6	0,8	229051	▲	▲	▲		▲		Δ			
S229.0700.36	7	0,6	229071	Δ	▲			▲			▲	Δ	▲
S229.0800.36	8	0,6	229071 • 229081		▲			▲		▲	▲	▲	▲
S229.0800.38	8	0,8	229071 • 229081					▲				Δ	
S229.0800.3K	8	1,2	229071 • 229081					▲		Δ			
S229.1000.36	10	0,6	229091		▲			▲			▲	▲	▲
P				●	●	●	●	●	●	●	●	●	●
M				-	-	o	●	●	●	-	●	-	●
K				●	-	●	-	-	●	-	●	-	●
N				●	-	●	-	-	●	-	●	-	●
S				-	-	o	-	o	●	-	●	-	●
H				-	-	-	-	-	-	-	-	-	-

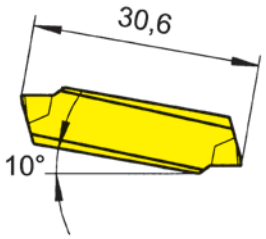
H

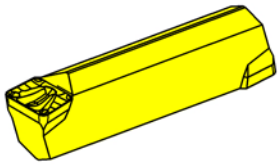
Plaquette amovible
Inserto

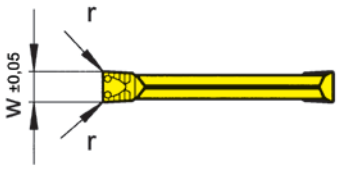
S229

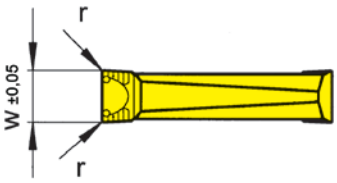












Largeur 3 - 5 mm
Larghezza 3 - 5 mm

Largeur 6 - 10 mm
Larghezza 6 - 10 mm

Nuance
Leghe

▲ en stock
a stock

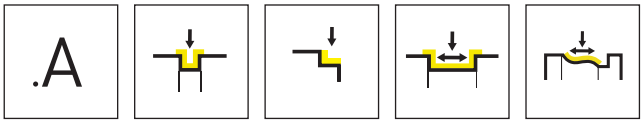
Δ 4 semaines
4 settimane

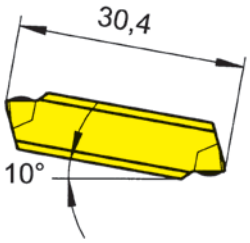
Numéro de commande Codice prodotto	w	r	HIS	AS62	AS65	IG66	TF45	TI22	TI25	TN32	TN35
S229.0300.52	3	0,2	229020 • 229030	▲		▲	▲	▲	▲	▲	▲
S229.0300.54	3	0,4	229020 • 229030	▲		▲	▲	▲	▲	▲	
S229.0400.52	4	0,2	229030 • 229040	▲		▲	▲	▲	▲	▲	▲
S229.0400.54	4	0,4	229030 • 229040	▲		▲	▲	▲	▲	▲	▲
S229.0500.54	5	0,4	229040	▲		▲	▲	▲	▲	▲	▲
S229.0500.56	5	0,6	229040			▲			Δ	Δ	Δ
S229.0600.54	6	0,4	229051	▲		▲	▲		▲	▲	▲
S229.0600.56	6	0,6	229051			▲			Δ	Δ	Δ
S229.0600.58	6	0,8	229051	▲	Δ	▲					
S229.0700.56	7	0,6	229071	▲				▲		Δ	
S229.0800.56	8	0,6	229071 • 229081	▲		Δ		▲		▲	
S229.0800.5K	8	1,2	229071 • 229081					Δ			
S229.1000.56	10	0,6	229091					▲		▲	
P				●	●	●	●	●	●	●	●
M				-	o	●	●	-	●	-	●
K				-	o	-	●	-	●	-	●
N				-	-	-	●	-	●	-	●
S				-	-	o	●	-	●	-	●
H				-	-	-	-	-	-	-	-

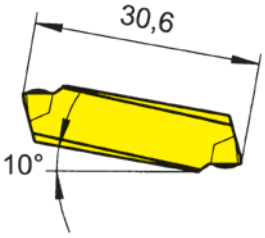
H

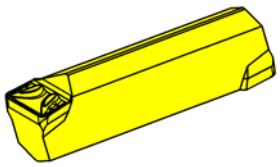
Plaquette amovible
Inserto

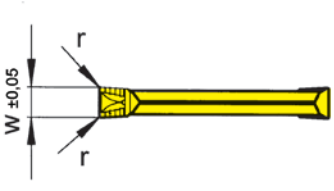
S229

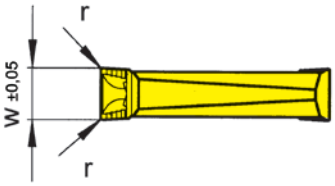












Largeur 3 - 5 mm
Larghezza 3 - 5 mm

Largeur 6 - 10 mm
Larghezza 6 - 10 mm

Nuance
Leghe

▲ en stock
a stock

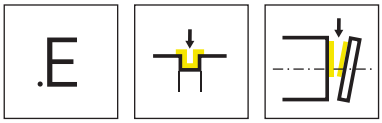
Δ 4 semaines
4 settimane

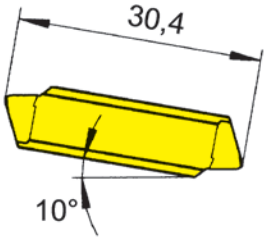
Numéro de commande Codice prodotto	w	r	HIS	AS62	IG66	TF42	TF45	TI22	TI25	TN32	TN35
S229.0300.A2	3	0,2	229020 • 229030	▲			▲	▲	▲	▲	▲
S229.0300.A4	3	0,4	229020 • 229030	▲			▲	Δ	▲	▲	▲
S229.0400.A2	4	0,2	229030 • 229040	▲			▲	Δ	▲	▲	▲
S229.0400.A4	4	0,4	229030 • 229040	▲		▲	Δ	▲	▲	▲	▲
S229.0500.A4	5	0,4	229040	▲	▲		Δ	▲	Δ	▲	▲
S229.0500.A6	5	0,6	229040	▲	▲				▲		
S229.0600.A4	6	0,4	229051	▲		Δ	▲	▲	Δ	▲	▲
S229.0600.A8	6	0,8	229051	▲		Δ					
S229.0700.A6	7	0,6	229071			▲				Δ	
S229.0800.A6	8	0,6	229071 • 229081		Δ	Δ		▲		▲	
S229.0800.A8	8	0,8	229071 • 229081		Δ	Δ		Δ			
S229.0800.AK	8	1,2	229071 • 229081					Δ			
S229.1000.A6	10	0,6	229091		Δ			Δ		Δ	
S229.1000.A8	10	0,8	229091					Δ			
P				●	●	●	●	●	●	●	●
M				-	●	-	●	-	●	-	●
K				-	-	-	●	-	●	-	●
N				-	-	-	●	-	●	-	●
S				-	o	-	●	-	●	-	●
H				-	-	-	-	-	-	-	-

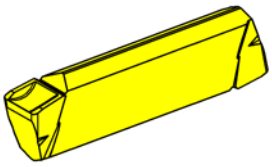
H

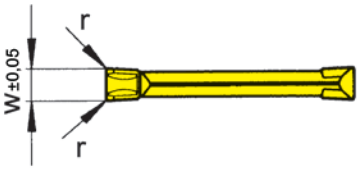
Plaquette amovible
Inserto

S229









Nuance
Leghe

▲ en stock
a stock

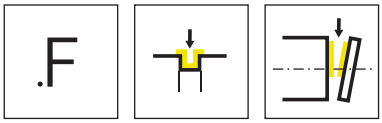
Δ 4 semaines
4 settimane

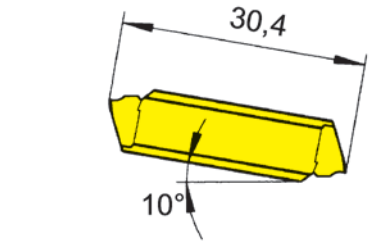
Numéro de commande Codice prodotto	w	r	HIS		AS62	TF45	TF46	T125
S229.0300.E2	3	0,2	229020 • 229030		▲	▲	▲	▲
S229.0300.E4	3	0,4	229020 • 229030		▲	▲		
S229.0400.E2	4	0,2	229030 • 229040		▲	▲	Δ	▲
S229.0400.E4	4	0,4	229030 • 229040		▲	▲		
				P	●	●	●	●
				M	-	●	o	●
				K	-	●	●	●
				N	-	●	●	●
				S	-	●	o	●
				H	-	-	-	-

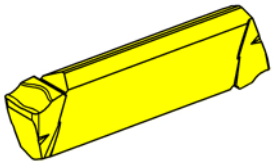
H

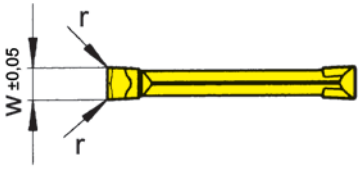
Plaquette amovible
Inserto

S229









Nuance
Leghe

▲ en stock
a stock

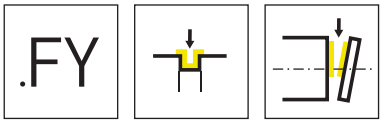
Δ 4 semaines
4 settimane

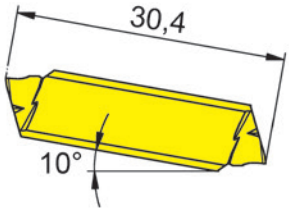
Numéro de commande Codice prodotto	w	r	HIS		TF43	TF45	TF46	T122
S229.0300.F2	3	0,2	229020 • 229030		▲	▲	▲	▲
S229.0300.F4	3	0,4	229020 • 229030			▲	Δ	
S229.0400.F2	4	0,2	229030 • 229040		Δ	▲	Δ	
S229.0400.F4	4	0,4	229030 • 229040			▲	Δ	
				P	●	●	●	●
				M	-	●	o	-
				K	-	●	●	-
				N	-	●	●	-
				S	-	●	o	-
				H	-	-	-	-

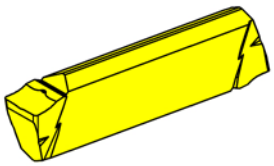
H

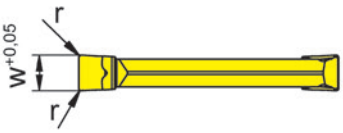
Plaquette amovible
Inserto

S229









Nuance
Leghe

▲ en stock
a stock

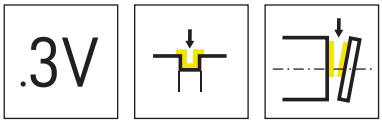
Δ 4 semaines
4 settimane

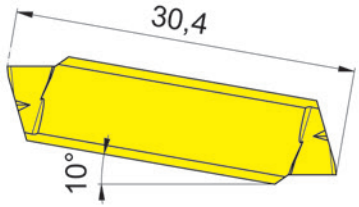
Numéro de commande Codice prodotto	w	r	HIS		HP65	IG35	TI25
S229.0300.FY2	3	0,2	229020 • 229030		▲	▲	▲
S229.0400.FY3	4	0,3	229030 • 229040		▲	▲	▲
				P	●	-	●
				M	●	●	●
				K	●	-	●
				N	o	-	●
				S	●	●	●
				H	-	-	-

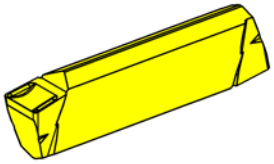
H

Plaquette amovible
Inserto

S229









Nuance
Leghe

▲ en stock
a stock

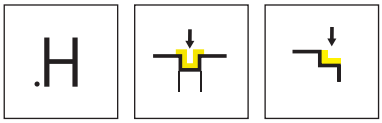
Δ 4 semaines
4 settimane

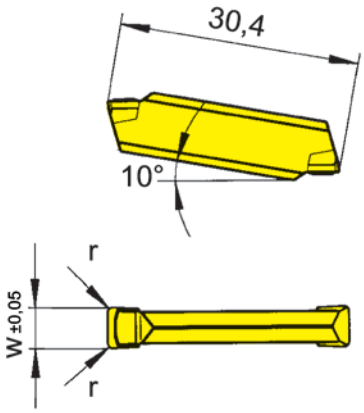
Numéro de commande Codice prodotto	w	r	HIS		AS45	HP65	IG35
S229.0300.3V2	3	0,2	229020 • 229030		▲	▲	▲
S229.0400.3V3	4	0,3	229030 • 229040		▲	▲	▲
				P	●	●	-
				M	●	●	●
				K	●	●	-
				N	o	o	-
				S	●	●	●
				H	-	-	-

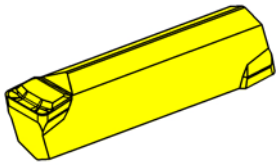
H

Plaquette amovible
Inserto

S229







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

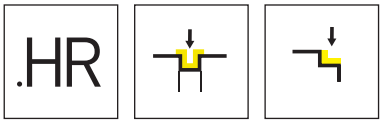
Numéro de commande Codice prodotto	w	r	HIS	TF42
S229.0300.H4	3	0,4	229020 • 229030	Δ
S229.0300.H6	3	0,6	229020 • 229030	▲
S229.0400.H4	4	0,4	229030 • 229040	▲
S229.0400.H6	4	0,6	229030 • 229040	Δ
S229.0500.H4	5	0,4	229040	Δ
S229.0500.H6	5	0,6	229040	Δ
S229.0500.H8	5	0,8	229040	Δ
S229.0600.H4	6	0,4	229051	▲
S229.0600.H6	6	0,6	229051	Δ
S229.0600.H8	6	0,8	229051	Δ
S229.0600.HK	6	1,2	229051	Δ

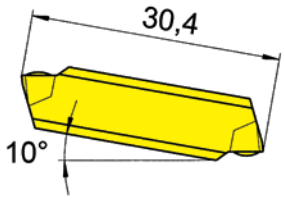
P	•
M	-
K	-
N	-
S	-
H	-

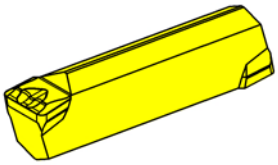
H

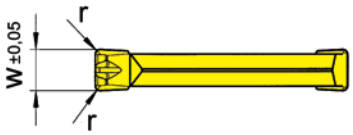
Plaquette amovible
Inserto

S229









Nuance
Leghe

▲ en stock
a stock

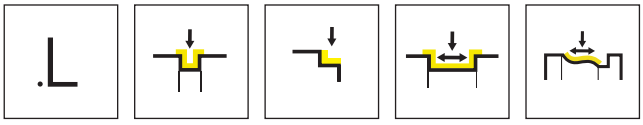
Δ 4 semaines
4 settimane

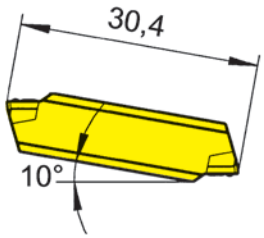
Numéro de commande Codice prodotto	w	r	HIS		AS62	AS66	IG66
S229.0300.HR4	3	0,4	229020 • 229030		▲	Δ	▲
S229.0400.HR4	4	0,4	229030 • 229040		▲	▲	▲
S229.0500.HR4	5	0,4	229040		▲	▲	▲
S229.0500.HR6	5	0,6	229040		▲	▲	▲
S229.0500.HR8	5	0,8	229040		▲	Δ	▲
S229.0600.HR4	6	0,4	229050		▲	▲	▲
S229.0600.HR6	6	0,6	229050		▲	▲	▲
S229.0600.HR8	6	0,8	229050		▲	Δ	▲
S229.0800.HR8.PG	8	0,8	229071 • 229081		▲		▲
				P	•	•	•
				M	-	o	•
				K	-	•	-
				N	-	•	-
				S	-	o	o
				H	-	-	-

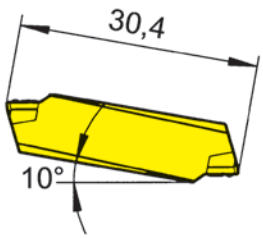
H

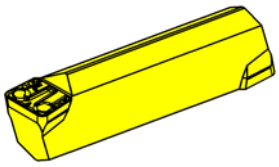
Plaquette amovible
Inserto

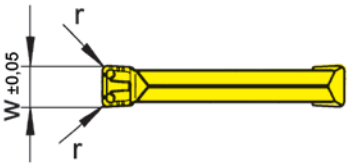
S229

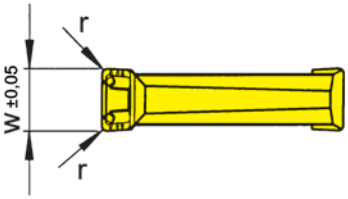












Largeur 4 - 5 mm
Larghezza 4 - 5 mm

Largeur 6 - 8 mm
Larghezza 6,0 - 8,0 mm

Nuance
Leghe

▲ en stock
a stock

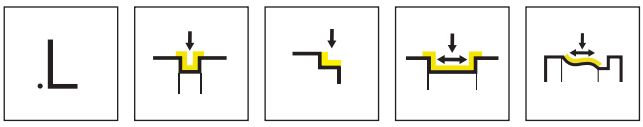
Δ 4 semaines
4 settimane

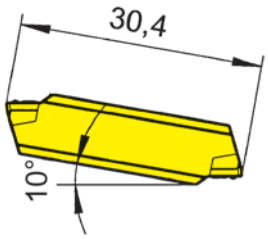
Numéro de commande Codice prodotto	w	r	HIS	AS62	AS65	AS66	IG65	IG66	TF42	TI22
S229.0300.L2	3	0,2	229020 • 229030		▲		▲			
S229.0300.L4	3	0,4	229020 • 229030		▲		▲			
S229.0300.L6	3	0,6	229020 • 229030		▲		▲			
S229.0300.L8	3	0,8	229020 • 229030		▲		▲			
S229.0400.L4	4	0,4	229030 • 229040	▲		▲		▲	▲	▲
S229.0400.L6	4	0,6	229030 • 229040			▲		▲		
S229.0500.L4	5	0,4	229040	▲		▲		▲	▲	▲
S229.0500.L6	5	0,6	229040	▲		▲		▲	▲	
S229.0500.L8	5	0,8	229040	▲		▲		▲		
S229.0600.L4	6	0,4	229050	▲		▲		▲	▲	▲
S229.0600.L6	6	0,6	229050	▲		▲		▲	▲	▲
S229.0800.L6	8	0,6	229071	▲		▲		▲	▲	▲
				P	●	●	●	●	●	●	●
				M	-	o	o	●	●	-	-
				K	-	o	●	-	-	-	-
				N	-	-	●	-	-	-	-
				S	-	-	o	o	o	-	-
				H	-	-	-	-	-	-	-

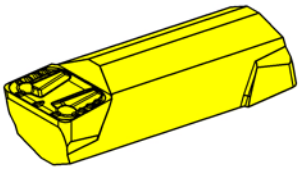
H

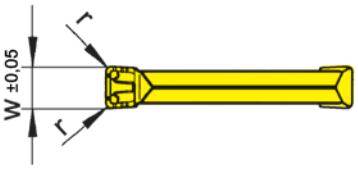
Plaquette amovible
Inserto

S229









Nuance
Leghe

▲ en stock
a stock

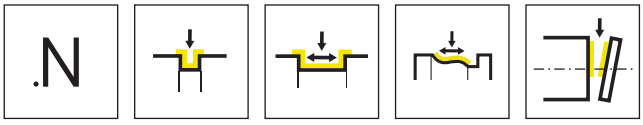
Δ 4 semaines
4 settimane

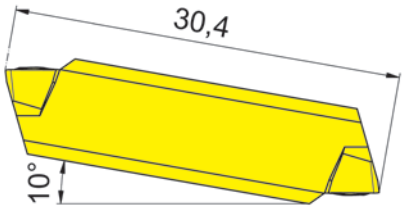
Numéro de commande Codice prodotto	w	r	HIS		AS62	IG66
S229.0600.L4.PG	6	0,4	229050		▲	▲
S229.0800.L8.PG	8	0,8	229071 • 229081		▲	▲
				P	•	•
				M	-	•
				K	-	-
				N	-	-
				S	-	o
				H	-	-

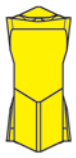
H

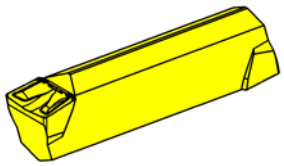
Plaquette amovible
Inserto

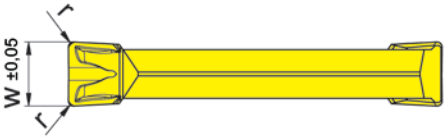
S229











Nuance
Leghe

▲ en stock
a stock

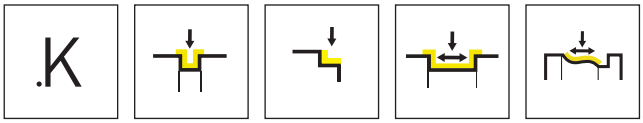
Δ 4 semaines
4 settimane

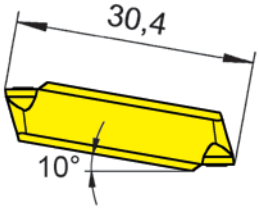
Numéro de commande Codice prodotto	w	r	HIS		AS45	AS62	IG66	TI25
S229.0300.N2.G	3	0,2	229020 • 229030		▲		▲	
S229.0300.N4.G	3	0,4	229020 • 229030		▲		▲	
S229.0400.N2.G	4	0,2	229030 • 229040		▲		▲	
S229.0400.N4.G	4	0,4	229030 • 229040		▲		▲	
S229.0500.N2.G	5	0,2	229040				▲	▲
S229.0500.N4.G	5	0,4	229040		▲	▲	▲	Δ
S229.0500.N6.G	5	0,6	229040		Δ	▲	▲	Δ
S229.0500.N8.G	5	0,8	229040			▲	▲	
S229.0600.N4.G	6	0,4	229050		▲		▲	Δ
S229.0600.N6.G	6	0,6	229050		▲		▲	Δ
				P	●	●	●	●
				M	●	-	●	●
				K	●	-	-	●
				N	o	-	-	●
				S	●	-	o	●
				H	-	-	-	-

H

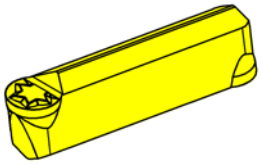
Plaquette amovible
Inserto

S229











Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		AS62	AS66	IG66
S229.0015.K3	3	1,5	229020 • 229030		▲	▲	▲
S229.0020.K4	4	2	229030 • 229040		▲	▲	▲
S229.0025.K5	5	2,5	229040		▲	▲	▲
S229.0030.K6	6	3	229050		▲	▲	▲
S229.0040.K8	8	4	229070 • 229080		▲		▲
				P	●	●	●
				M	-	o	●
				K	-	●	-
				N	-	●	-
				S	-	o	o
				H	-	-	-

H

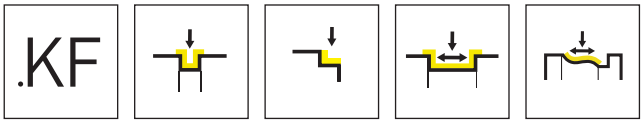
D_{min} pour rayon de dégagement avec porte outils à 45°

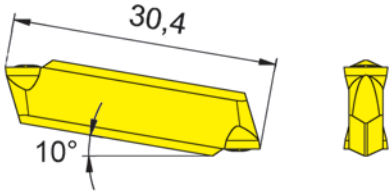
D_{min} per scarico di rettifica con portainserto 45°

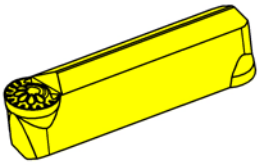
t_{max}	S229.0015.K3	S229.0020.K4	S229.0025.K5	S229.0030.K6
0,5	Ø 26	Ø 26	Ø 32	Ø 32
1,0	Ø 76	Ø 55	Ø 42	Ø 37
1,5	Ø 78	Ø 58	Ø 45	Ø 41
2,0	Ø 80	Ø 59	Ø 46	Ø 42
2,5	Ø 82	Ø 60	Ø 47	Ø 43
3,0	Ø 84	Ø 62	Ø 48	Ø 44
3,5	Ø 87	Ø 63	Ø 49	Ø 46
4,0	Ø 89	Ø 65	Ø 50	Ø 47

Plaquette amovible
Inserto

S229









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		AS66	IG66
S229.0015.KF3	3	1,5	229020 • 229030		▲	▲
S229.0020.KF4	4	2	229030 • 229040		▲	▲
S229.0025.KF5	5	2,5	229040		▲	▲
S229.0030.KF6	6	3	229050		▲	▲
S229.0040.KF8	8	4	229070 • 229080		▲	▲
				P	•	•
				M	o	•
				K	•	-
				N	•	-
				S	o	o
				H	-	-

H

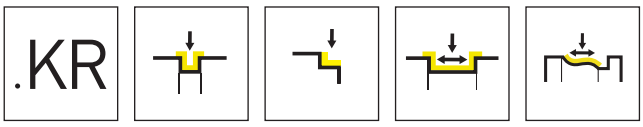
D_{min} pour rayon de dégagement avec porte outils à 45°

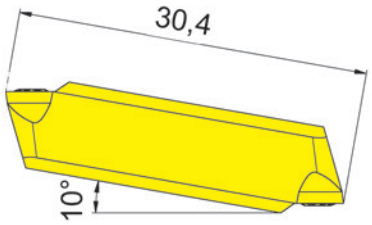
D_{min} per scarico di rettifica con portainserto 45°

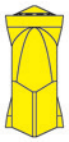
t_{max}	S229.0015.KF3	S229.0020.KF4	S229.0025.KF5	S229.0030.KF6
0,5	Ø 26	Ø 26	Ø 32	Ø 32
1,0	Ø 76	Ø 55	Ø 42	Ø 37
1,5	Ø 78	Ø 58	Ø 45	Ø 41
2,0	Ø 80	Ø 59	Ø 46	Ø 42
2,5	Ø 82	Ø 60	Ø 47	Ø 43
3,0	Ø 84	Ø 62	Ø 48	Ø 44
3,5	Ø 87	Ø 63	Ø 49	Ø 46
4,0	Ø 89	Ø 65	Ø 50	Ø 47

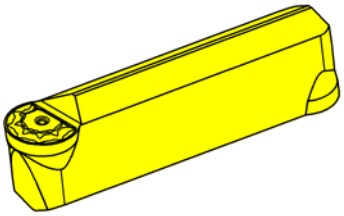
Plaquette amovible
Inserto

S229











Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		IG66
S229.0020.KR4	4	2	229030 • 229040		▲
S229.0025.KR5	5	2,5	229040		▲
S229.0030.KR6	6	3	229050		▲
				P	●
				M	●
				K	-
				N	-
				S	o
				H	-

H

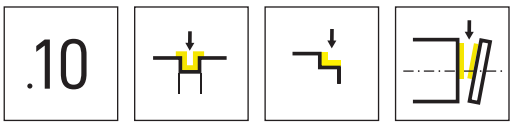
D_{min} pour rayon de dégagement avec porte outils à 45°

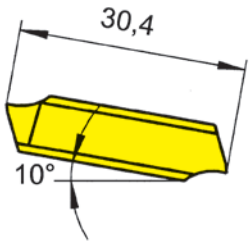
D_{min} per scarico di rettifica con portainserto 45°

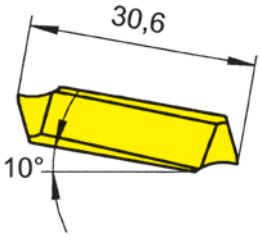
t_{max}	S229.0020.KR4	S229.0025.KR5	S229.0030.KR6
0,5	Ø 26	Ø 32	Ø 32
1,0	Ø 55	Ø 42	Ø 37
1,5	Ø 58	Ø 45	Ø 41
2,0	Ø 59	Ø 46	Ø 42
2,5	Ø 60	Ø 47	Ø 43
3,0	Ø 62	Ø 48	Ø 44
3,5	Ø 63	Ø 49	Ø 46
4,0	Ø 65	Ø 50	Ø 47

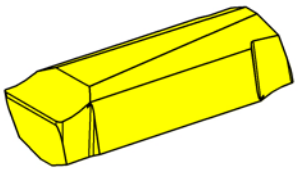
Plaquette amovible
Inserto

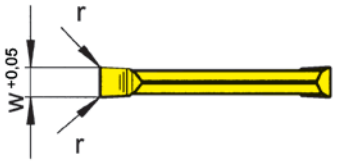
229

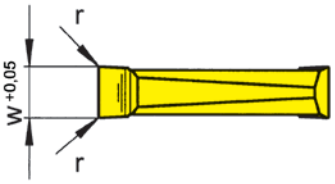












Largeur de gorge 2,5 - 5,0 mm
Larghezza della gola 2,5 - 5,0 mm

Largeur 5,1 - 10,4 mm
Larghezza 5,1 - 10,4 mm

Nuance
Leghe

▲ en stock
a stock

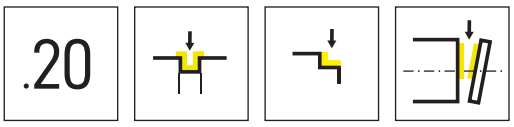
Δ 4 semaines
4 settimane

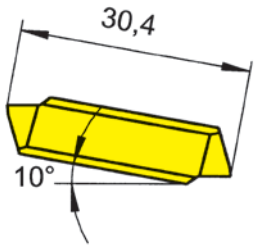
Numéro de commande Codice prodotto	w	r	HIS		AS62	IG66	TN32	TN35
229.0250.10	2,5	0,2	229020			▲	▲	▲
229.0300.10	3	0,2	229020 • 229030		▲	▲	▲	▲
229.0400.10	4	0,2	229030 • 229040		▲	▲	▲	Δ
229.0500.10	5	0,2	229040		Δ	Δ	▲	Δ
229.0600.10	6	0,4	229051			Δ	Δ	Δ
229.0700.10	7	0,4	229071			Δ	Δ	Δ
229.0800.10	8	0,4	229071 • 229081			Δ	Δ	Δ
229.0900.10	9	0,4	229091			Δ	Δ	Δ
229.1000.10	10	0,4	229091			Δ	Δ	Δ
				P	●	●	●	●
				M	-	●	-	●
				K	-	-	-	●
				N	-	-	-	●
				S	-	o	-	●
				H	-	-	-	-

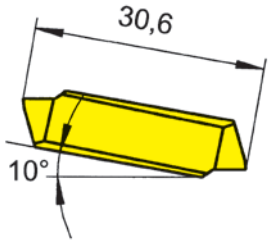
H

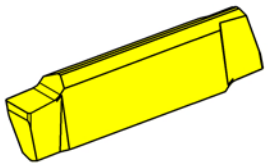
Plaquette amovible
Inserto

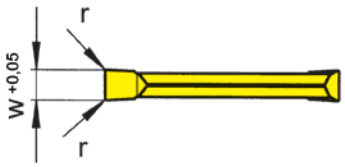
229

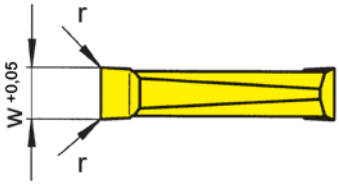












Largeur 3 - 5 mm
Larghezza 3 - 5 mm

Largeur 5,1 - 10,4 mm
Larghezza 5,1 - 10,4 mm

▲ en stock
a stock

Δ 4 semaines
4 settimane

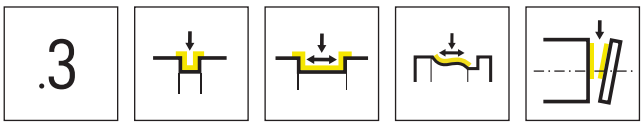
Nuance
Leghe

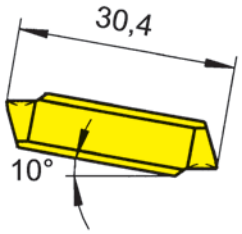
Numéro de commande Codice prodotto	w	r	HIS	AS62	IG66	TN32
229.0300.20	3	0,2	229020 • 229030	▲	Δ	
229.0400.20	4	0,2	229030 • 229040	▲	Δ	▲
229.0500.20	5	0,2	229040	▲	Δ	
229.0600.20	6	0,4	229051	▲	Δ	
229.0700.20	7	0,4	229071		Δ	
229.0800.20	8	0,4	229071 • 229081		Δ	
229.0900.20	9	0,4	229091		Δ	
229.1000.20	10	0,4	229091		Δ	
P				●	●	●
M				-	●	-
K				-	-	-
N				-	-	-
S				-	o	-
H				-	-	-

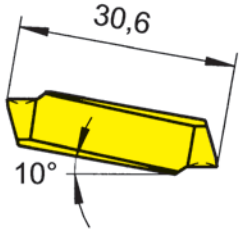
H

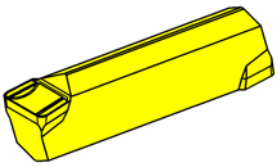
Plaquette amovible
Inserto

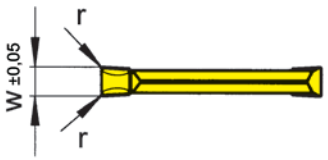
229

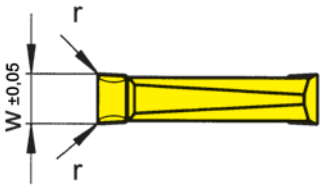












Largeur 3 - 5 mm
Larghezza 3 - 5 mm

Largeur 5,1 - 10,4 mm
Larghezza 5,1 - 10,4 mm

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

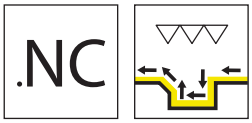
Numéro de commande Codice prodotto	w	r	HIS	AS62	IG66	TN35
229.0300.31	3	0,2	229020 • 229030	▲	▲	▲
229.0300.34	3	0,4	229020 • 229030	▲	▲	▲
229.0350.31	3,5	0,2	229030		▲	
229.0400.31	4	0,2	229030 • 229040	▲	▲	
229.0400.34	4	0,4	229030 • 229040	▲	▲	▲
229.0500.31	5	0,2	229040	▲	▲	
229.0500.34	5	0,4	229040	Δ	Δ	▲
229.0500.36	5	0,6	229040		Δ	
229.0600.31	6	0,4	229051	Δ	Δ	
229.0600.38	6	0,8	229051	Δ	Δ	
229.0700.31	7	0,4	229071	Δ	Δ	
229.0800.31	8	0,4	229071 • 229081	▲	Δ	
229.0900.31	9	0,4	229091	▲	Δ	
229.1000.31	10	0,4	229091	Δ	Δ	▲

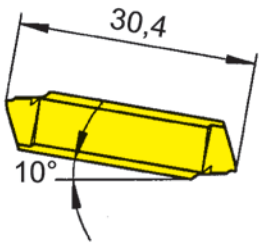
P	●	●	●
M	-	●	●
K	-	-	●
N	-	-	●
S	-	o	●
H	-	-	-

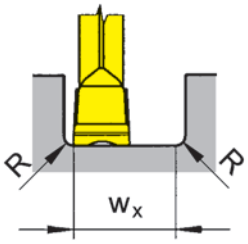
H

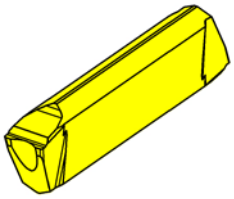
Plaquette amovible
Inserto

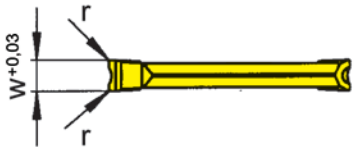
229











Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	w_x	HIS	H20
229.NC30.02	3	0,2	4,5	229030 • 229040	▲
229.NC40.02	4	0,2	6,4	229030 • 229040	▲

P	•
M	o
K	-
N	-
S	-
H	-

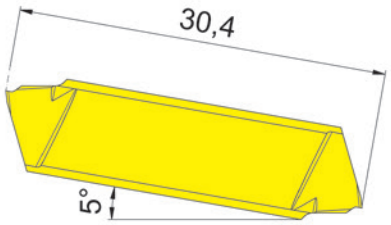
wx = largeur de gorge - R(droite) - R(gauche)
wx = larghezza gola - R(destro) - R(sinistro)

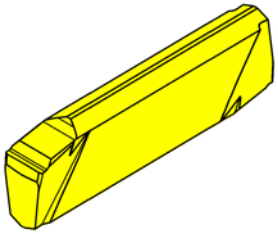
H

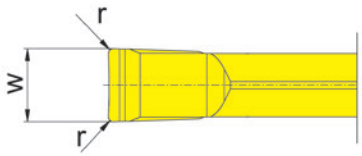
Plaquette amovible
Inserto

229

.FB







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		IG6T	H20
229.FB30.02	3	0,2	229030		Δ	▲
229.FB40.02	4	0,2	229040		Δ	▲
				P	●	●
				M	-	-
				K	-	-
				N	-	-
				S	o	-
				H	-	-

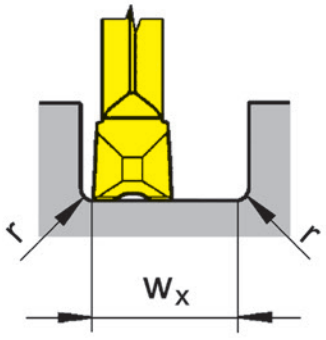
Calcul de la plus petite largeur de gorge possible w_x
Calcolo della larghezza di gola w_x più basso possibile

Exemple 229.FB30.02
Esempio

w_x = 2 x Largeur de gorge/Larghezza della gola w - 2 x Rayon d'angles plaque /Spigolo raggiato inserto r

w_x = 2 x 3 mm - 2 x 0,2 mm

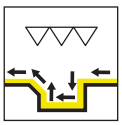
w_x = 5,6 mm

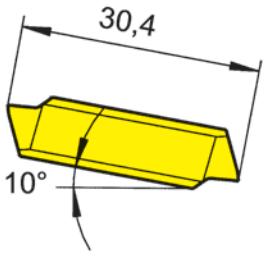


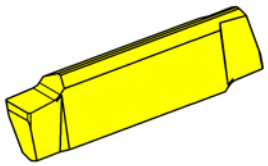
Déroulement du processus
Percorso di lavoro

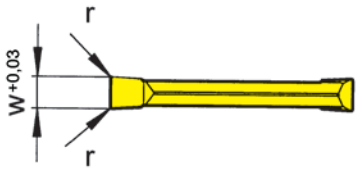


H









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

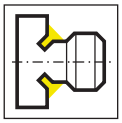
Numéro de commande Codice prodotto	w	r	HIS	H20
229.0300.02	3	0,2	229020 • 229030	▲
229.0400.02	4	0,2	229030 • 229040	▲

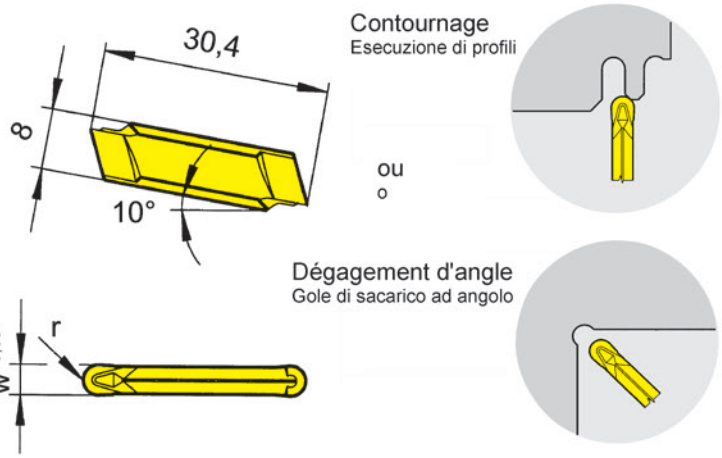
P	•
M	o
K	-
N	-
S	-
H	-

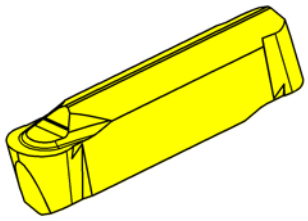
H

Plaquette amovible
Inserto

229







Nuance
Leghe

▲ en stock
a stock

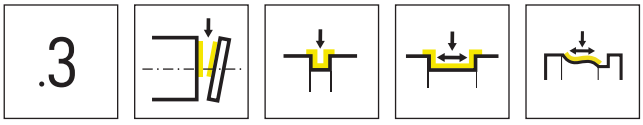
Δ 4 semaines
4 settimane

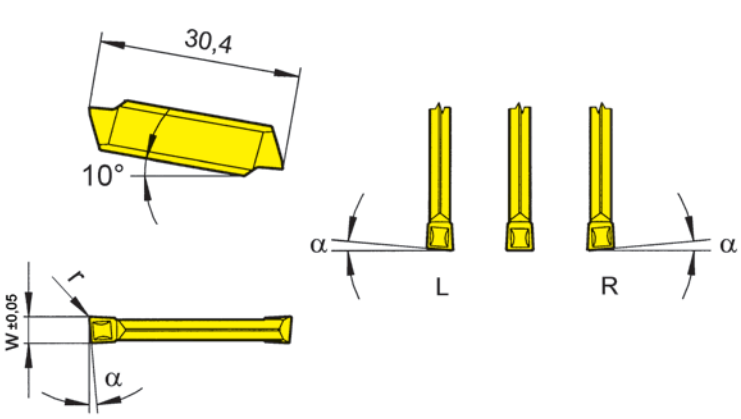
Numéro de commande Codice prodotto	w	r	HIS		AS62	AS66	TN32
229.0015.30	3	1,5	229020 • 229030		▲		▲
229.0020.40	4	2	229030 • 229040		▲		▲
229.0025.50	5	2,5	229040			▲	▲
229.0030.60	6	3	229050		▲		▲
				P	●	●	●
				M	-	o	-
				K	-	●	-
				N	-	●	-
				S	-	o	-
				H	-	-	-

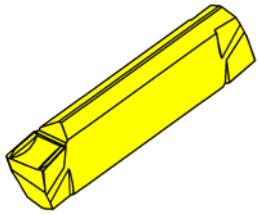
H

Plaquette amovible
Inserto

229 / S229







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	a	HIS	AS62	TF45	TI25	TN32	TN35
R229.5300.31	3	0,2	5°	229020 • 229030	▲		▲	▲	▲
RS229.0530.32	3	0,2	5°	229020 • 229030	▲	▲	▲	▲	▲
RS229.0540.32	4	0,2	5°	229030 • 229040	▲	▲	▲	▲	Δ
L229.5300.31	3	0,2	5°	229020 • 229030	▲		▲	▲	▲
LS229.0530.32	3	0,2	5°	229020 • 229030	▲	▲	▲	▲	▲
LS229.0540.32	4	0,2	5°	229030 • 229040		▲	▲	▲	Δ

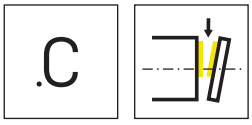
R/L229.5300.31 **précision affûtée**, longueur 30,0 mm
R/L229.5300.31 rettificato di precisione, lunghezza 30,0 mm

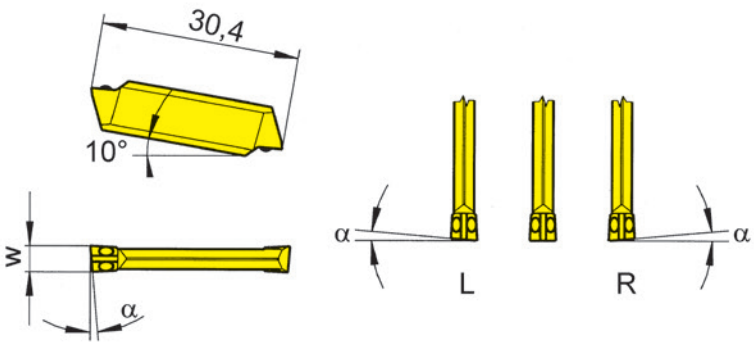
P	●	●	●	●	●
M	-	●	●	-	●
K	-	●	●	-	●
N	-	●	●	-	●
S	-	●	●	-	●
H	-	-	-	-	-

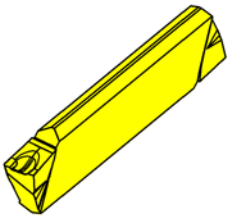
H

Plaquette amovible
Inserto

S229







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

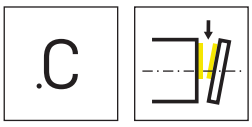
Δ 4 semaines
4 settimane

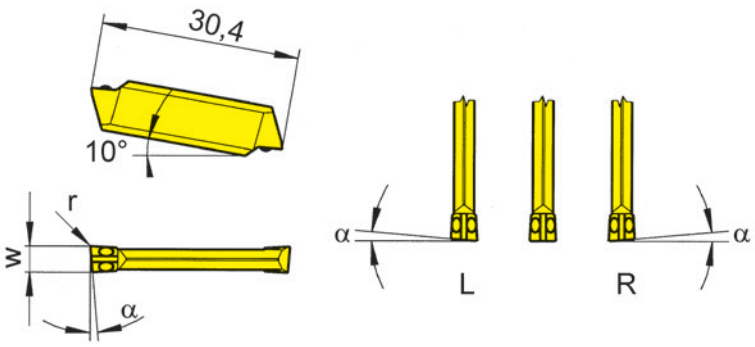
Numéro de commande Codice prodotto	w	α	HIS	Nuance Leghe TF45	TI25	TN35
RS229.0530.C0	3	5°	229020 • 229030	▲	▲	▲
RS229.0540.C0	4	5°	229030 • 229040	Δ	Δ	▲
RS229.0830.C0	3	8°	229020 • 229030	▲	▲	▲
RS229.0840.C0	4	8°	229030 • 229040	Δ	Δ	▲
LS229.0530.C0	3	5°	229020 • 229030	▲	▲	▲
LS229.0540.C0	4	5°	229030 • 229040	Δ	Δ	
LS229.0830.C0	3	8°	229020 • 229030	▲	▲	▲
LS229.0840.C0	4	8°	229030 • 229040	Δ	Δ	Δ
S229.0030.C0	3	0°	229020 • 229030	▲	▲	▲
S229.0040.C0	4	0°	229030 • 229040	Δ	Δ	▲
				P ●	●	●
				M ●	●	●
				K ●	●	●
				N ●	●	●
				S ●	●	●
				H -	-	-

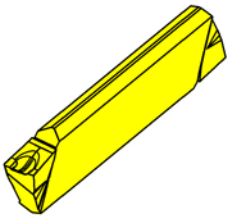
H

Plaquette amovible
Inserto

S229







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

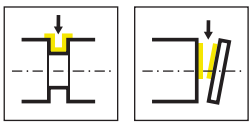
Nuance
Leghe

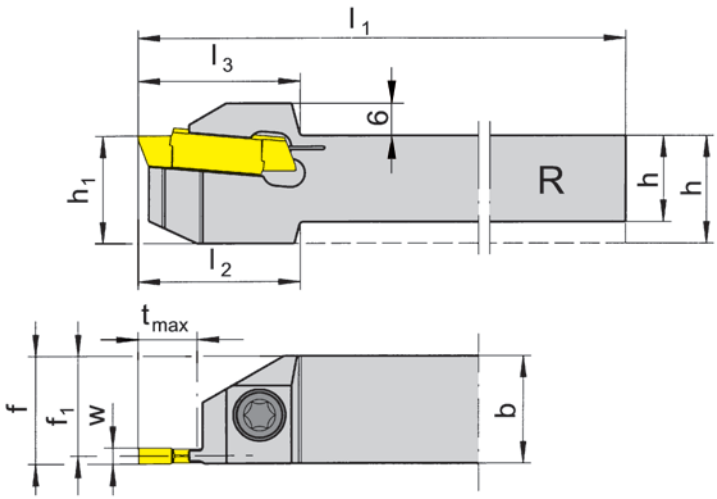
Numéro de commande Codice prodotto	w	r	α	HIS		TF45	TI25	TN35
RS229.0530.C1	3	0,15	5°	229020 • 229030		Δ	▲	▲
RS229.0830.C1	3	0,15	8°	229020 • 229030		▲	▲	▲
RS229.0540.C1	4	0,15	5°	229030 • 229040		Δ	Δ	Δ
RS229.0840.C1	4	0,15	8°	229030 • 229040		Δ	Δ	▲
LS229.0530.C1	3	0,15	5°	229020 • 229030		Δ	▲	▲
LS229.0830.C1	3	0,15	8°	229020 • 229030		▲	Δ	▲
LS229.0540.C1	4	0,15	5°	229030 • 229040		Δ		Δ
LS229.0840.C1	4	0,15	8°	229030 • 229040		Δ	Δ	Δ
S229.0030.C1	3	0,15	0°	229020 • 229030		Δ	▲	▲
S229.0040.C1	4	0,15	0°	229030 • 229040		Δ		Δ
					P	•	•	•
					M	•	•	•
					K	•	•	•
					N	•	•	•
					S	•	•	•
					H	-	-	-

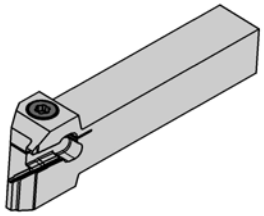
H

Porte outils
Portainserto

H259







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f	f_1	t_{max}	HWS
RH259.1616.03	16	16	135	30	30	20	f_1+w/2	14,55	11	229030
RH259.2020.03	20	20	135	-	30	20	f_1+w/2	18,55	11	229030
RH259.2525.03	25	25	135	-	30	25	f_1+w/2	23,55	11	229030
RH259.1616.13	16	16	135	33	33	20	f_1+w/2	14,55	18	229030
RH259.2020.13	20	20	135	-	33	20	f_1+w/2	18,55	18	229030
RH259.2525.13	25	25	135	-	33	25	f_1+w/2	23,55	18	229030
LH259.1616.03	16	16	135	30	30	20	f_1+w/2	14,55	11	229030
LH259.2020.03	20	20	135	-	30	20	f_1+w/2	18,55	11	229030
LH259.2525.03	25	25	135	-	30	25	f_1+w/2	23,55	11	229030
LH259.1616.13	16	16	135	33	33	20	f_1+w/2	14,55	18	229030
LH259.2020.13	20	20	135	-	33	20	f_1+w/2	18,55	18	229030
LH259.2525.13	25	25	135	-	33	25	f_1+w/2	23,55	18	229030

w voir plaquettes amovibles
w vd. inserti

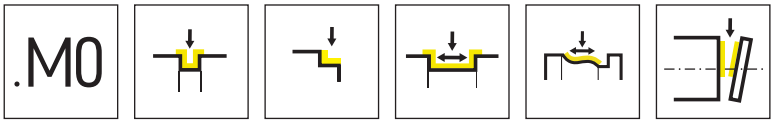
H

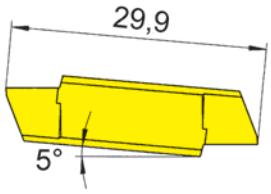
Pièces Détachées
Ricambi

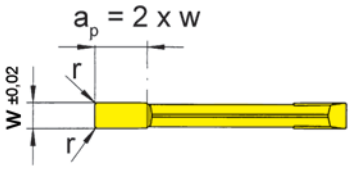
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH259...	**6.23T25P**	**T25PQ**

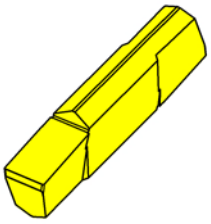
Plaquette amovible
Inserto

259









La profondeur de passe en chariotage a_p
Tornitura logitudinale fino a ap

2 x w pour usinage des laitons (Ms58)
2 x w su ottone (Ms58)

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	w	r	HIS	MG12
259.0300.M1	3	0,15	229030	▲
259.0300.M2	3	0,2	229030	▲
259.0400.M1	4	0,15	229030	▲
259.0400.M2	4	0,2	229030	▲

P	o
M	-
K	-
N	-
S	-
H	-

H

231



Porte outils et plaquettes

Largeur de gorge 2,5 - 10 mm

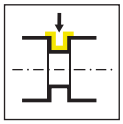
Portainserto e inserti

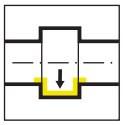
Larghezza della gola 2,5 - 10 mm

I

Gorge
Gole

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 263

Porte outils
Portainserto
211

Page/Pag. 264-265

Cartouche
Cartuccia
208

Page/Pag. 266

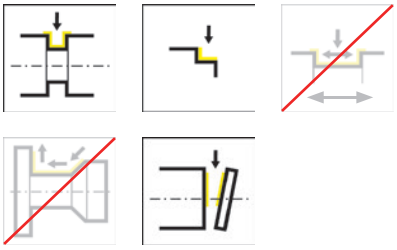
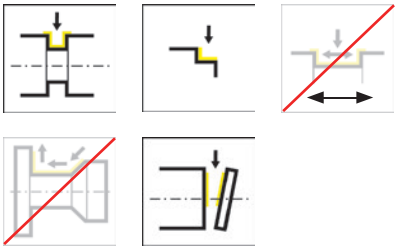
Dimensions de logement
Dimensione della sede
Page/Pag. 267

Plaquette amovible
Inserto
231

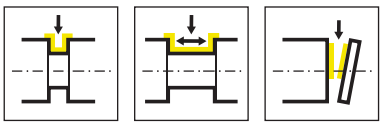

Page/Pag. 268

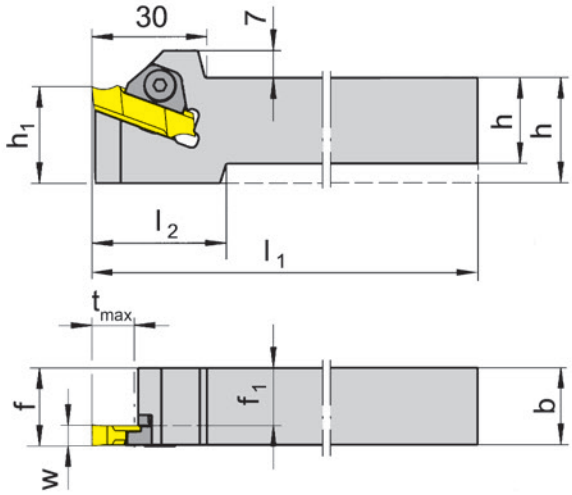
I

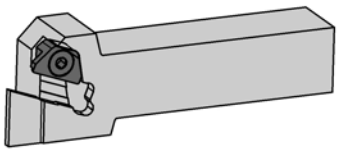
Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.10	P M K N S H	0,05-0,15	
.20	P M K N S H	0,07-0,25	

I







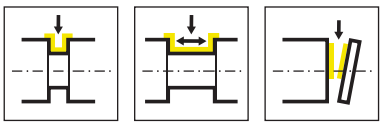
R = version à droite représentée
R = versione destra come in figura

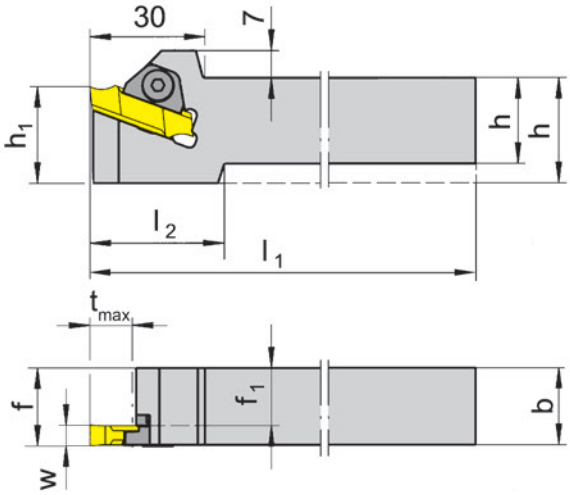
L = version à gauche
L = versione sinistra a specchio

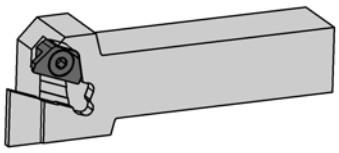
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	Plage de serrage Campo di serraggio	HWS
R211.2020.02	20	20	125	35	25	17,5	f_1+w-a_1	11	2,5-3,0	23102R
R211.2525.02	25	25	150	-	25	22,5	f_1+w-a_1	11	NaN-NaN	23102R
R211.3232.02	32	32	170	-	32	29,5	f_1+w-a_1	11	2,5-3,0	23102R
R211.2020.03	20	20	125	35	25	17	f_1+w-a_1	11	3,0-4,0	23103R
R211.2525.03	25	25	150	-	25	22	f_1+w-a_1	11	3,0-4,0	23103R
R211.3232.03	32	32	170	-	32	29	f_1+w-a_1	11	3,0-4,0	23103R
R211.2020.04	20	20	125	35	25	16	f_1+w-a_1	11	4,0-5,0	23104R • 23104N
R211.3232.04	32	32	170	-	32	28	f_1+w-a_1	11	4,0-5,0	23104R • 23104N
L211.2020.02	20	20	125	35	25	17,5	f_1+w-a_1	11	2,5-3,0	23102L
L211.2525.02	25	25	150	-	25	22,5	f_1+w-a_1	11	2,5-3,0	23102L
L211.3232.02	32	32	170	-	32	29,5	f_1+w-a_1	11	2,5-3,0	23102L
L211.2020.03	20	20	125	35	25	17	f_1+w-a_1	11	3,0-4,0	23103L
L211.2525.03	25	25	150	-	25	22	f_1+w-a_1	11	3,0-4,0	23103L
L211.3232.03	32	32	170	-	32	29	f_1+w-a_1	11	3,0-4,0	23103L
L211.2020.04	20	20	125	35	25	16	f_1+w-a_1	11	4,0-5,0	23104L • 23104N
L211.2525.04	25	25	150	-	25	21	f_1+w-a_1	11	4,0-5,0	23104L • 23104N
L211.3232.04	32	32	170	-	32	28	f_1+w-a_1	11	4,0-5,0	23104L • 23104N

w, a1 voir plaquettes amovibles
w, a1 vd. inserti

Klemmhalter Toolholder	**Spannelement** Clamping element
R/L211...02	**2.16.2**
R/L211...03	**2.16.3**
R/L211...04	**2.16.7**







R = version à droite représentée
R = versione destra come in figura

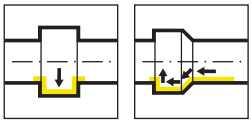
L = version à gauche
L = versione sinistra a specchio

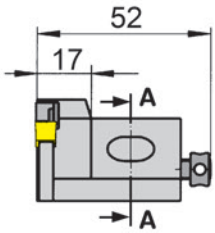
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	Plage de serrage Campo di serraggio	HWS
R211.2020.05	20	20	125	35	25	15	f_1+w-a_1	11	5,0-6,5	23105R • 23105N
R211.2525.05	25	25	150	-	25	20	f_1+w-a_1	11	5,0-6,5	23105R • 23105N
R211.3232.05	32	32	170	-	32	27	f_1+w-a_1	11	5,0-6,5	23105R • 23105N
R211.2020.07	20	20	125	35	25	13	f_1+w-a_1	11	6,5-8,5	23107R • 23107N
R211.2525.07	25	25	150	-	25	18	f_1+w-a_1	11	6,5-8,5	23107R • 23107N
R211.3232.07	32	32	170	-	32	25	f_1+w-a_1	11	6,5-8,5	23107R • 23107N
R211.2020.09	20	20	125	35	25	11	f_1+w-a_1	11	8,5-10,0	23109R • 23109N
R211.2525.09	25	25	150	-	25	16	f_1+w-a_1	11	8,5-10,0	23109R • 23109N
R211.3232.09	32	32	170	-	32	23	f_1+w-a_1	11	8,5-10,0	23109R • 23109N
L211.2020.05	20	20	125	35	25	15	f_1+w-a_1	11	5,0-6,5	23105L • 23105N
L211.2525.05	25	25	150	-	25	20	f_1+w-a_1	11	5,0-6,5	23105L • 23105N
L211.3232.05	32	32	170	-	32	27	f_1+w-a_1	11	5,0-6,5	23105L • 23105N
L211.2020.07	20	20	125	35	25	13	f_1+w-a_1	11	6,5-8,5	23107L • 23107N
L211.2525.07	25	25	150	-	25	18	f_1+w-a_1	11	6,5-8,5	23107L • 23107N
L211.3232.07	32	32	170	-	32	25	f_1+w-a_1	11	6,5-8,5	23107L • 23107N
L211.2020.09	20	20	125	35	25	11	f_1+w-a_1	11	8,5-10,0	23109L • 23109N
L211.2525.09	25	25	150	-	25	16	f_1+w-a_1	11	8,5-10,0	23109L • 23109N
L211.3232.09	32	32	170	-	32	23	f_1+w-a_1	11	8,5-10,0	23109L • 23109N

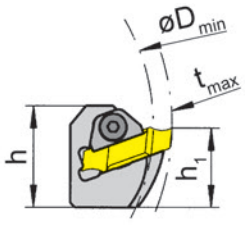
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

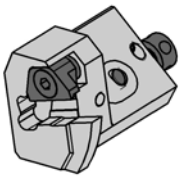
Pièces Détachées
Ricambi

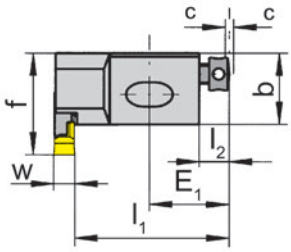
Porte outils Portainserto	**Bride** Staffa
R/L211...	**2.16.7**

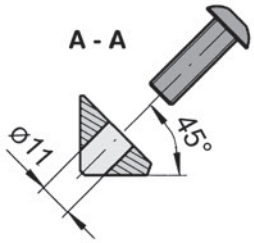












R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

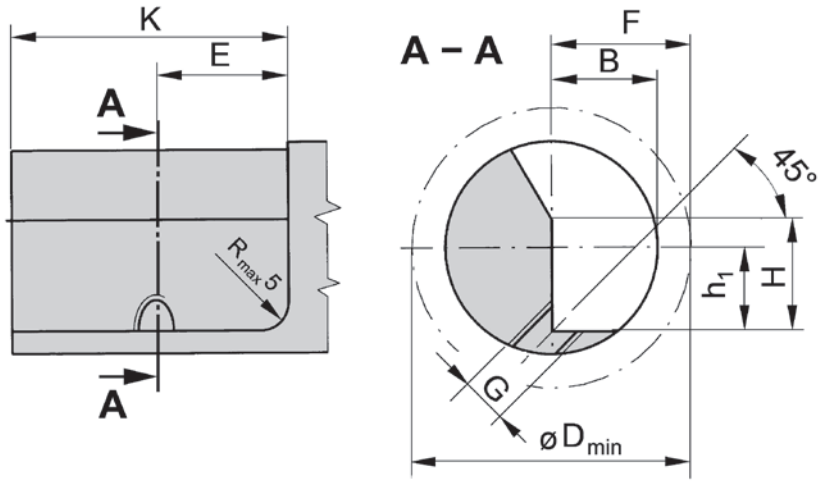
Numéro de commande Codice prodotto	h	b	h_1	f	l_1	E_1	l_2	C	D_{min}	t_{max}	HWS	HMS
R208.2520.04	32	20	25	32	47,8	25	9	2	75	5	23104R • 23104N	032001R
R208.2520.05	32	20	25	32	46,8	25	9	2	75	5	23105R • 23105N	032001R
R208.2520.07	32	20	25	32	44,8	25	9	2	75	5	23107R • 23107N	032001R
R208.2520.09	32	20	25	32	42,8	25	9	2	75	5	23107R • 23107N	032001R
L208.2520.04	32	20	25	32	47,8	25	9	2	75	5	23104L • 23104N	032001L
L208.2520.05	32	20	25	32	46,8	25	9	2	75	5	23105L • 23105N	032001L
L208.2520.07	32	20	25	32	44,8	25	9	2	75	5	23107L • 23107N	032001L
L208.2520.09	32	20	25	32	42,8	25	9	2	75	5	23107L • 23107N	032001L

Profondeur de gorge selon le ø d'alésage
Profondità gola in funzione al ø del foro

Dmin	tmax
75	5
85	6
95	6,5
110	7
140	8
200	9

Pièces Détachées
Ricambi

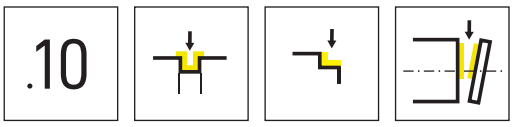
Cartouche Cartuccia	**Vis de serrage** Vite di serraggio	**Vis** Vite	**Bride** Staffa
R/L208...	**4.08.913**	**6.12.020**	**2.16.7 K**

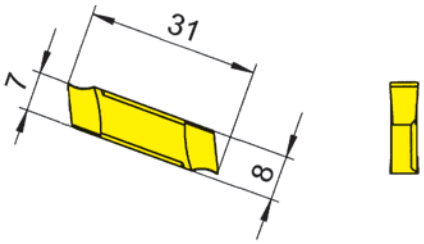


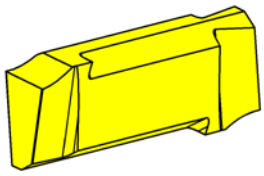
Cartouche Cartucce	F	G	H	K	E	B	h	D_{min}	Plage de serrage Campo di serraggio
R/L208.2520...	32	M10	32	50	25	20	25	75	0.30.208

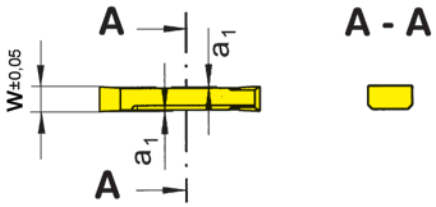
Plaquette amovible
Inserto

231









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	a_1	HIS		P20	TN32
R231.0250.10	2,5	0,2	23102R		▲	▲
R231.0300.10	3	0,2	23103R		Δ	
R231.0350.10	3,5	0,2	23103R		Δ	Δ
L231.0250.10	2,5	0,2	23102L		▲	▲
L231.0300.10	3	0,2	23103L		▲	
L231.0350.10	3,5	0,2	23103L		Δ	Δ
231.0400.10	4	0,2	23104N		▲	
231.0500.10	5	0,2	23105N		▲	
231.0600.10	6	0,2	23105N		▲	
231.0700.10	7	0,2	23107N		Δ	Δ
231.0800.10	8	0,2	23107N		Δ	▲
231.0900.10	9	0,2	23109N		Δ	
231.1000.10	10	0,2	23109N			▲
				P	●	●
				M	-	-
				K	-	-
				N	-	-
				S	-	-
				H	-	-

262



Porte outils et plaquettes

Profondeur de gorge 0,025 - 2 mm

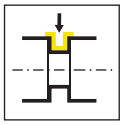
Portainserto e inserti

Profondità della gola 0,025 - 2 mm

J

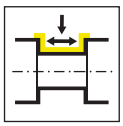
Gorge (extérieur)
Gole (esterne)

Porte outils
Portainserto
H262

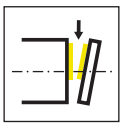


Page/Pag.
271

Plaquette amovible
Inserto
S262



Page/Pag.
272-273, 275



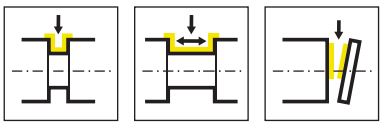
Page/Pag.
274

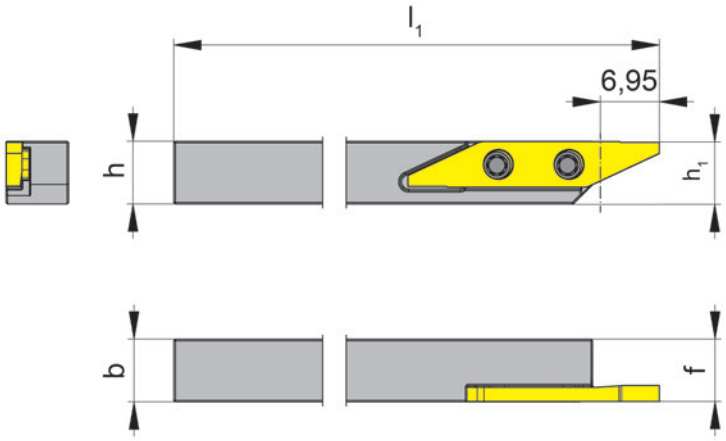
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]
S262	P M K N S H	↓ 0,01-0,10 ↔ 0,002-0,02

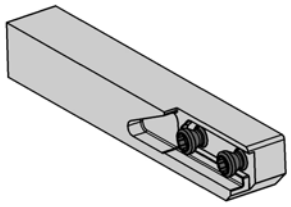
J

Porte outils
Portainserto

H262







L = version à gauche représentée
L = versione sinistra come in figura

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	t_{max}	HWS
LH262.0606.04	6	6	100	5,83	5,95	7,5	26204L
LH262.0707.04	7	7	100	6,83	6,95	7,5	26204L
LH262.0808.04	8	8	100	7,83	7,95	7,5	26204L
LH262.0808.2.04	8	8	150	7,83	7,95	7,5	26204L
LH262.1010.04	10	10	100	9,83	9,95	7,5	26204L

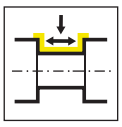
Pièces Détachées
Ricambi

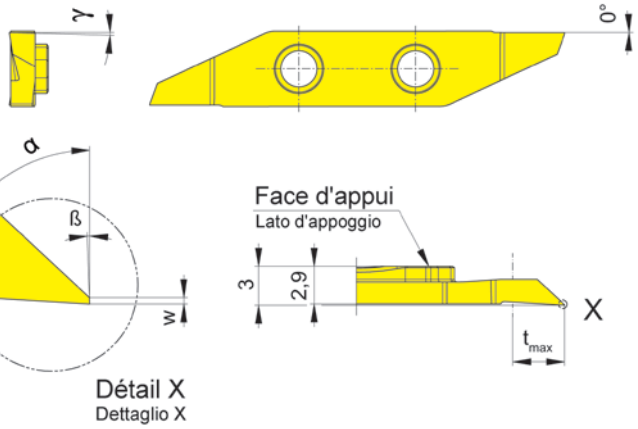
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LH262...	**030.2557.T8P**	**T8PL**

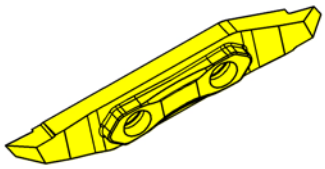
J

Plaquette amovible
Inserto

S262







L = version à gauche représentée
L = versione sinistra come in figura

Nuance
Leghe

▲ en stock
a stock

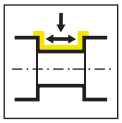
Δ 4 semaines
4 settimane

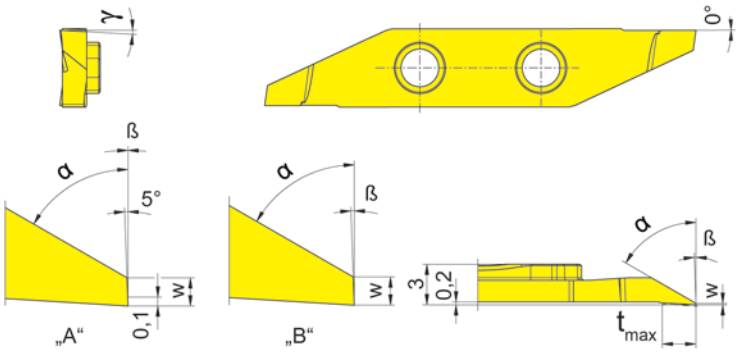
Numéro de commande Codice prodotto	w	t_{max}	γ	α	ß	HIS		EG35
LS262.0247.04	0,025	1,8	1,5°	47°	2°	26204L		▲
							P	●
							M	●
							K	o
							N	-
							S	-
							H	-

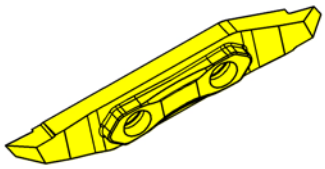
J

Plaquette amovible
Inserto

S262







L = version à gauche représentée
L = versione sinistra come in figura

Nuance
Leghe

▲ en stock
a stock

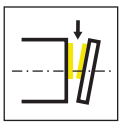
Δ 4 semaines
4 settimane

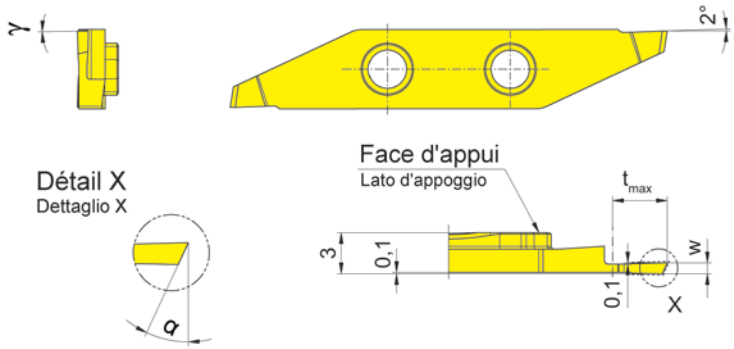
Numéro de commande Codice prodotto	w	t_{max}	γ	α	Forme Forma	ß	HIS		EG35
LS262.0147.04	0,03	1,8	0°	47°	A	0°	26204L		▲
LS262.0160.03	0,105	3	3°	60°	B	2°	26204L		▲
								P	●
								M	●
								K	o
								N	-
								S	-
								H	-

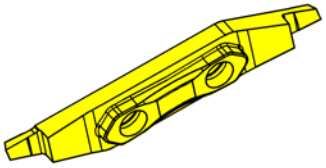
J

Plaquette amovible
Inserto

S262







L = version à gauche représentée
L = versione sinistra come in figura

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

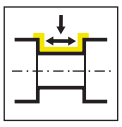
Numéro de commande Codice prodotto	w	t_{max}	γ	α	HIS	EG35
LS262.2007.02	0,7	2	0°	20°	26204L	▲
LS262.2508.03	0,8	3	0°	25°	26204L	▲
LS262.2509.04	0,9	4	0°	25°	26204L	▲
LS262.2510.05	1	5	0°	25°	26204L	▲

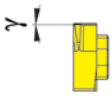
P	●
M	●
K	o
N	-
S	-
H	-

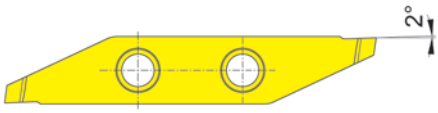
J

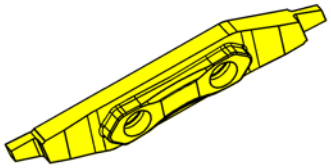
Plaquette amovible
Inserto

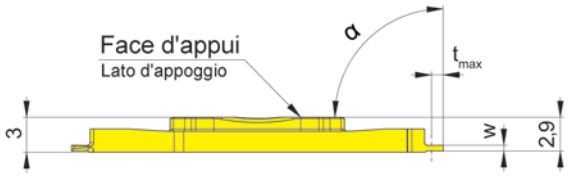
S262











L = version à gauche représentée
L = versione sinistra come in figura

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	γ	α	HIS		EG35
LS262.0005.01	0,5	1	0°	90°	26204L		▲
LS262.0012.02	1,2	2	0°	90°	26204L		▲
LS262.0015.03	1,5	3	0°	90°	26204L		▲
						P	●
						M	●
						K	o
						N	-
						S	-
						H	-

J

Autres outils, voir le catalogue
„TECHNOLOGIES D'USINAGE SUR MACHINES TYPES SUISSE“ (KLANGDREH100FI).

Altri utensili, consultare il catalogo
„TECNOLOGIA PER TORNI A FANTINA MOBILE“ (KLANGDREH100FI).



J

264



Porte outils et plaquettes

Largeur de gorge 1,5 - 3 mm

Portainserto e inserti

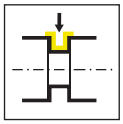
Larghezza della gola 1,5 - 3 mm

K

Gorge et Chariotage (extérieur)
Gole e Tornitura in passata (esterna)

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 279

Porte outils
Portainserto
H264



Page/Pag. 280-284

Plaquette amovible
Inserto
264

.M0 Page/Pag. 285-286

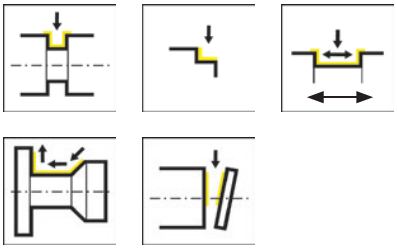
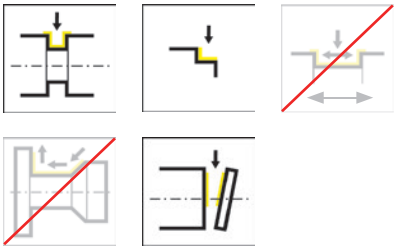
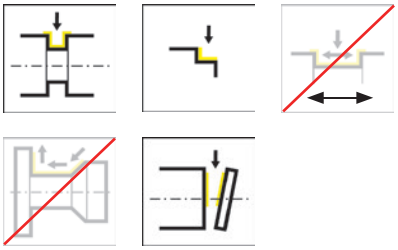
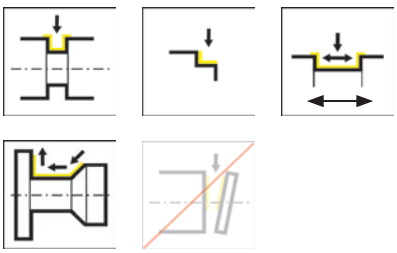
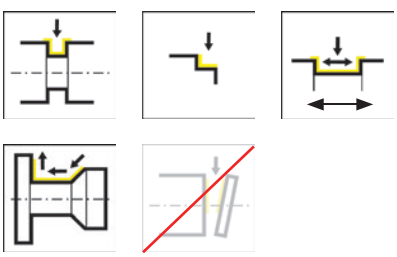
.10 Page/Pag. 287-288

.20 Page/Pag. 289

.P Page/Pag. 290

.D Page/Pag. 291

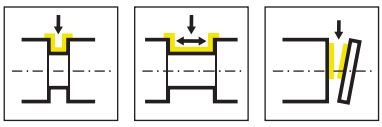
Géométries et avances
Geometrie e avanzamenti

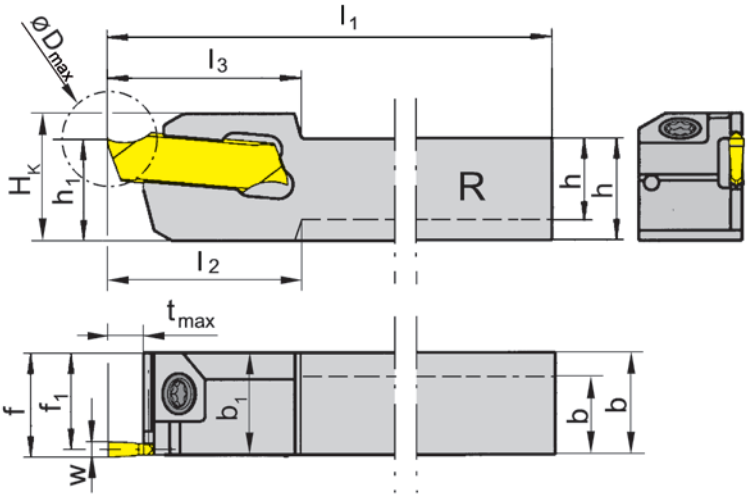
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.M0	P M K N S H	0,02-0,15	
.10	P M K N S H	0,05-0,15	
.20	P M K N S H	0,07-0,25	
.P	P M K N S H	0,02-0,08 0,02-0,04	
.D	P M K N S H	0,03-0,15 0,05-0,20	

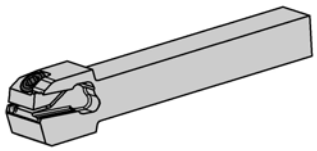
K

Porte outils
Portainserto

H264







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	b_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.0808.01	8	8	120	17,5	17,5	8	10	9,25	10	4	22	12,5	26401
RH264.1010.01	10	10	120	-	17,5	10	-	9,25	10	4	22	12,5	26401
RH264.1010.11	10	10	120	-	19	10	-	9,25	10	10	20	12,5	26401
RH264.1212.01	12	12	120	-	17,5	12	-	11,25	12	4	22	14,5	26401
RH264.1212.11	12	12	120	-	19	12	-	11,25	12	10	20	14,5	26401
RH264.1212.21	12	12	120	-	22	12	-	11,25	12	13	26	15,5	26401
RH264.1616.01	16	16	120	-	17,5	16	-	15,25	16	4	32	18,5	26401
RH264.1616.11	16	16	120	-	19	16	-	15,25	16	10	32	18,5	26401
RH264.1616.21	16	16	120	-	22	16	-	15,25	16	13	32	19,5	26401
LH264.0808.01	8	10	120	17,5	17,5	8	10	9,25	10	4	22	12,5	26401
LH264.1010.01	10	10	120	-	17,5	10	-	9,25	10	4	22	12,5	26401
LH264.1010.11	10	10	120	-	19	10	-	9,25	10	10	20	12,5	26401
LH264.1212.01	12	12	120	-	17,5	12	-	11,25	12	4	22	14,5	26401
LH264.1212.11	12	12	120	-	19	12	-	11,25	12	10	20	14,5	26401
LH264.1212.21	12	12	120	-	22	12	-	11,25	12	13	26	15,5	26401
LH264.1616.01	16	16	120	-	17,5	16	-	15,25	16	4	32	18,5	26401
LH264.1616.11	16	16	120	-	19	16	-	15,25	16	10	32	18,5	26401
LH264.1616.21	16	16	120	-	22	16	-	15,25	16	13	32	19,5	26401

w voir plaquettes
w vd. inserti

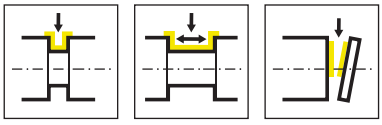
K

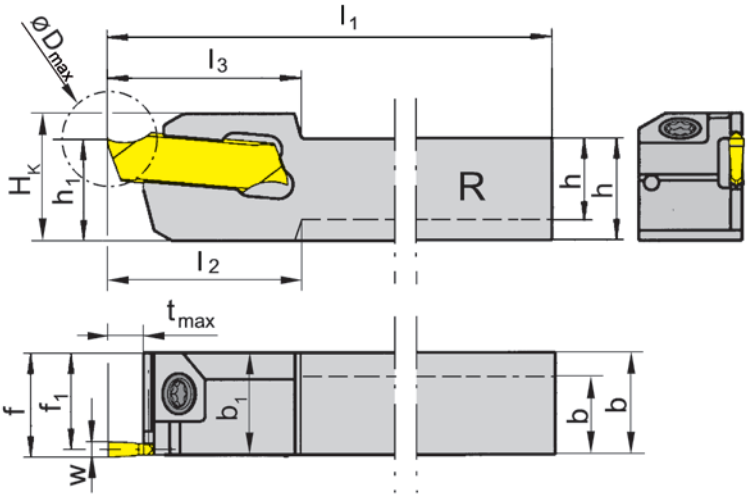
Pièces Détachées
Ricambi

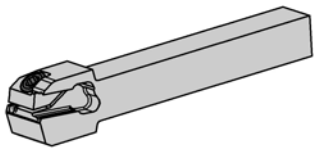
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH264...	**3.5.12T10EP**	**T10PL**

Porte outils
Portainserto

H264







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

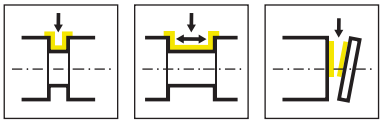
Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1010.02	10	10	120	17,5	10	9	10	4	32	12,5	26402
RH264.1212.02	12	12	120	17,5	12	11	12	4	32	14,5	26402
RH264.1616.02	16	16	120	17,5	16	15	16	4	32	18,5	26402
RH264.1010.12	10	10	120	19	10	9	10	10	32	12,5	26402
RH264.1212.12	12	12	120	19	12	11	12	10	32	14,5	26402
RH264.1616.12	16	16	120	19	16	15	16	10	32	18,5	26402
RH264.1212.22	12	12	120	25	12	11	12	16	32	14,5	26402
RH264.1616.22	16	16	120	25	16	15	16	16	32	19,5	26402
LH264.1010.02	10	10	120	17,5	10	9	10	4	32	12,5	26402
LH264.1212.02	12	12	120	17,5	12	11	12	4	32	14,5	26402
LH264.1616.02	16	16	120	17,5	16	15	16	4	32	18,5	26402
LH264.1010.12	10	10	120	19	10	9	10	10	32	12,5	26402
LH264.1212.12	12	12	120	19	12	11	12	10	32	14,5	26402
LH264.1616.12	16	16	120	19	16	15	16	10	32	18,5	26402
LH264.1212.22	12	12	120	25	12	11	12	16	32	14,5	26402
LH264.1616.22	16	16	120	25	16	15	16	16	32	19,5	26402

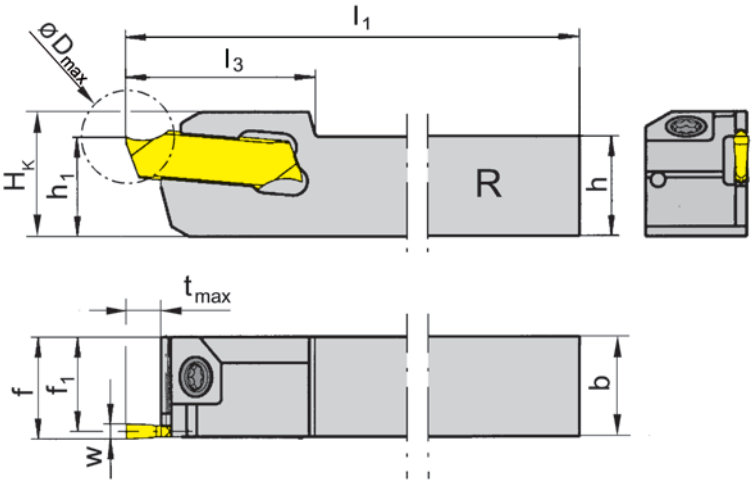
w voir plaquettes
w vd. inserti

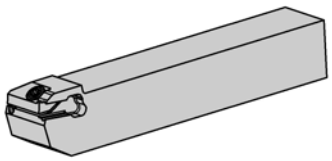
K

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH264...	**3.5.12T10EP**	**T10PL**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1212.03	12	12	120	17,5	12	10,75	12	4	32	14,5	26403
RH264.1616.03	16	16	120	17,5	16	14,75	16	4	32	18,5	26403
RH264.1212.13	12	12	120	19	12	10,75	12	10	32	14,5	26403
RH264.1616.13	16	16	120	19	16	14,75	16	10	32	18,5	26403
RH264.1212.23	12	12	120	25	12	10,75	12	16	32	14,5	26403
RH264.1616.23	16	16	120	25	16	14,75	16	16	32	18,5	26403
LH264.1616.03	16	16	120	17,5	16	14,75	16	4	32	18,5	26403
LH264.1212.13	12	12	120	19	12	10,75	12	10	32	14,5	26403
LH264.1616.13	16	16	120	19	16	14,75	16	10	32	18,5	26403
LH264.1212.23	12	12	120	25	12	10,75	12	16	32	14,5	26403
LH264.1616.23	16	16	120	25	16	14,75	16	16	32	18,5	26403

w voir plaquettes
w vd. inserti

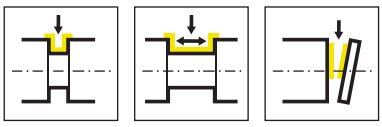
K

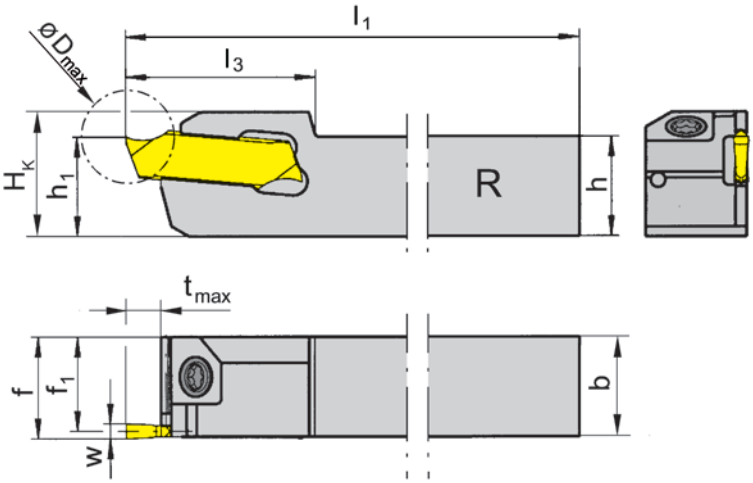
Pièces Détachées
Ricambi

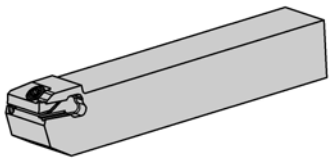
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH264...	**3.5.12T10EP**	**T10PL**

Porte outils
Portainserto

H264







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1212.04	12	12	120	17,5	12	10,5	12	5	32	15	26404
RH264.1616.04	16	16	120	17,5	16	14,5	16	5	32	19	26404
RH264.1212.14	12	12	120	19	12	10,5	12	10	32	15	26404
RH264.1616.14	16	16	120	19	16	14,5	16	10	32	19	26404
RH264.1212.24	12	12	120	25	12	10,5	12	16	32	15	26404
RH264.1616.24	16	16	120	25	16	14,5	16	16	32	19	26404
LH264.1212.04	12	12	120	17,5	12	10,5	12	5	32	15	26404
LH264.1616.04	16	16	120	17,5	16	14,5	16	5	32	19	26404
LH264.1212.14	12	12	120	19	12	10,5	12	10	32	15	26404
LH264.1616.14	16	16	120	19	16	14,5	16	10	32	19	26404
LH264.1212.24	12	12	120	25	12	10,5	12	16	32	15	26404
LH264.1616.24	16	16	120	25	16	14,5	16	16	32	19	26404

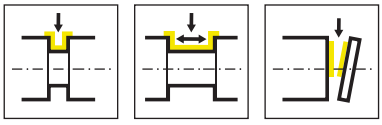
w voir plaquettes
w vd. inserti

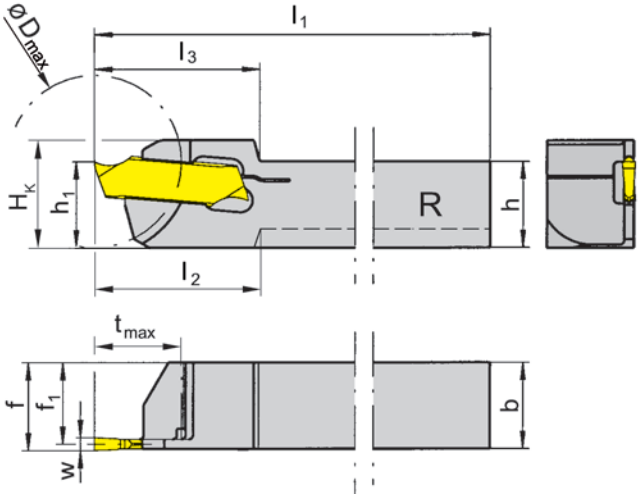
Pièces Détachées
Ricambi

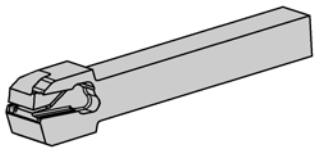
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH264...	**3.5.12T10EP**	**T10PL**

Porte outils
Portainserto

H264







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.0808.51	8	8	120	18	18	10	7,25	8	7	20	12,5	26401
RH264.1010.61	10	10	120	-	19	10	9,25	10	10	20	12,5	26401
RH264.1010.62	10	10	120	-	19	10	9	10	10	20	12,5	26402
RH264.1212.62	12	12	120	-	19	12	11	12	10	20	14,5	26402
RH264.1212.63	12	12	120	-	19	12	10,75	12	10	32	14,5	26403
LH264.0808.51	8	8	120	18	18	10	7,25	8	7	20	12,5	26401
LH264.1010.61	10	10	120	-	19	10	9,25	10	10	20	12,5	26401
LH264.1010.62	10	10	120	-	19	10	9	10	10	20	12,5	26402
LH264.1212.62	12	12	120	-	19	12	11	12	10	20	14,5	26402
LH264.1212.63	12	12	120	-	19	12	10,75	12	10	32	14,5	26403
LH264.1212.64	12	12	120	-	19	12	10,5	12	10	32	14,5	26404

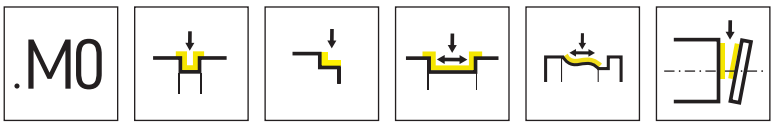
w voir plaquettes
w vd. inserti

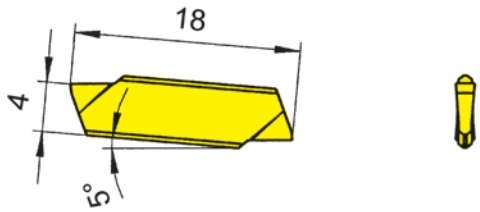
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

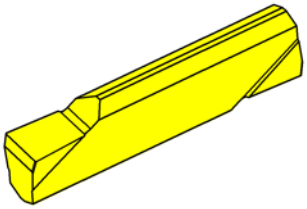
K

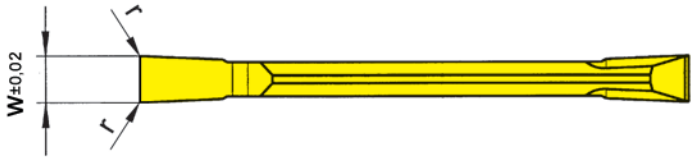
Plaquette amovible
Inserto

264









Nuance
Leghe

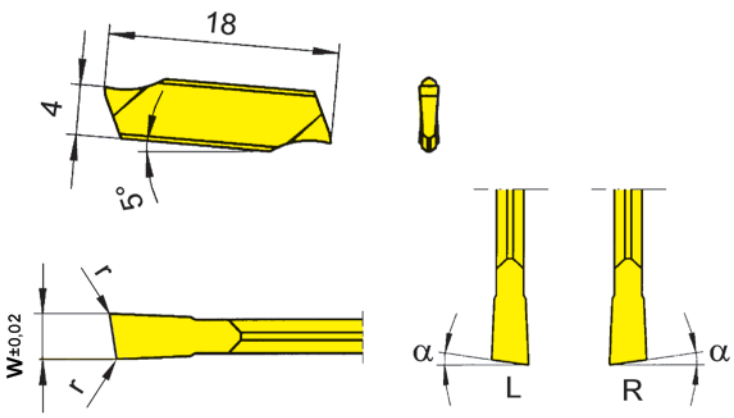
▲ en stock
a stock

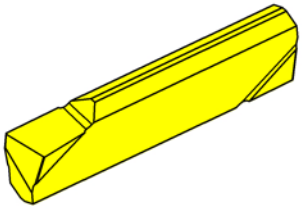
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		TH35	TN35
264.0150.M0	1,5	0,05	26401		Δ	▲
264.0200.M0	2	0,05	26402		Δ	▲
264.0250.M0	2,5	0,1	26403		Δ	▲
264.0300.M0	3	0,1	26404		Δ	Δ
				P	●	●
				M	●	●
				K	●	●
				N	●	●
				S	●	●
				H	-	-

K

.M0





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

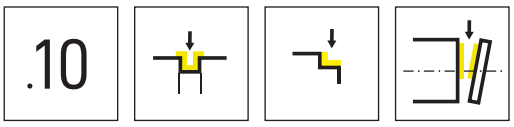
Numéro de commande Codice prodotto	w	r	α	HIS	TN35
R264.0815.M0	1,5	0,05	8°	26401	▲
R264.0820.M0	2	0,05	8°	26402	▲
R264.0825.M0	2,5	0,1	8°	26403	Δ
R264.1515.M0	1,5	0,05	15°	26401	▲
R264.1520.M0	2	0,05	15°	26402	Δ
R264.1525.M0	2,5	0,1	15°	26403	▲
R264.1530.M0	3	0,1	15°	26404	▲
L264.0815.M0	1,5	0,05	8°	26401	▲
L264.0820.M0	2	0,05	8°	26402	Δ
L264.0825.M0	2,5	0,1	8°	26403	Δ
L264.1515.M0	1,5	0,05	15°	26401	Δ
L264.1520.M0	2	0,05	15°	26402	Δ
L264.1525.M0	2,5	0,1	15°	26403	Δ
L264.1530.M0	3	0,1	15°	26404	Δ

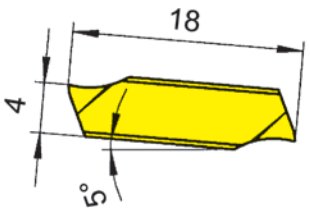
P	●
M	●
K	●
N	●
S	●
H	-

K

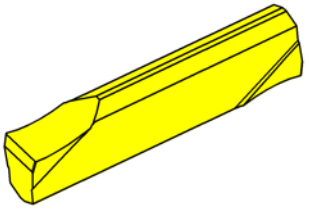
Plaquette amovible
Inserto

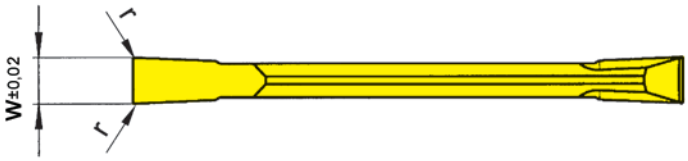
264











Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS	TN35
264.0150.10	1,5	0,05	26401	▲
264.0200.10	2	0,05	26402	▲
264.0250.10	2,5	0,1	26403	▲
264.0300.10	3	0,1	26404	▲

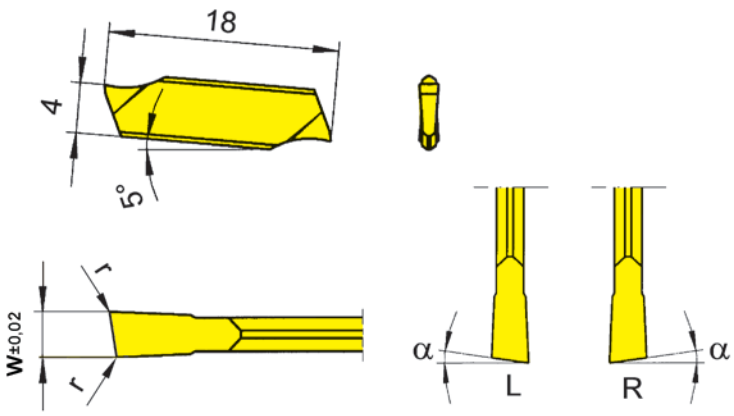
P	●
M	●
K	●
N	●
S	●
H	-

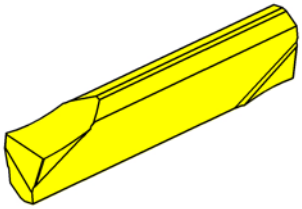
K

Plaquette amovible
Inserto

264

.10





Nuance
Leghe

▲ en stock
a stock

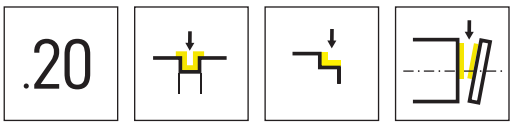
Δ 4 semaines
4 settimane

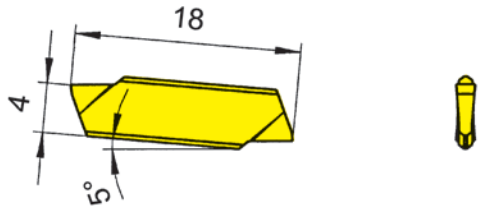
Numéro de commande Codice prodotto	w	r	α	HIS		MG12	TN35
R264.0815.10	1,5	0,05	8°	26401		▲	▲
R264.0820.10	2	0,05	8°	26402		▲	▲
R264.0825.10	2,5	0,1	8°	26403		Δ	▲
R264.0830.10	3	0,1	8°	26404		Δ	Δ
R264.1515.10	1,5	0,05	15°	26401		▲	▲
R264.1520.10	2	0,05	15°	26402		▲	▲
R264.1525.10	2,5	0,1	15°	26403		Δ	▲
R264.1530.10	3	0,1	15°	26404		Δ	▲
L264.0815.10	1,5	0,05	8°	26401		Δ	▲
L264.0820.10	2	0,05	8°	26402		Δ	▲
L264.0825.10	2,5	0,1	8°	26403		Δ	Δ
L264.0830.10	3	0,1	8°	26404		Δ	Δ
L264.1515.10	1,5	0,05	15°	26401		Δ	▲
L264.1520.10	2	0,05	15°	26402		Δ	▲
L264.1525.10	2,5	0,1	15°	26403		Δ	Δ
L264.1530.10	3	0,1	15°	26404		Δ	▲
					P	o	●
					M	-	●
					K	-	●
					N	-	●
					S	-	●
					H	-	-

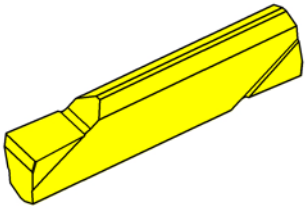
K

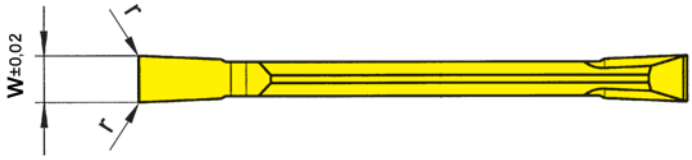
Plaquette amovible
Inserto

264









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

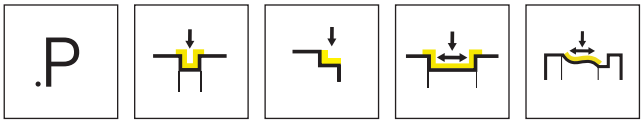
Numéro de commande Codice prodotto	w	r	HIS	TN35
264.0150.20	1,5	0,05	26401	▲
264.0200.20	2	0,05	26402	▲
264.0250.20	2,5	0,1	26403	▲
264.0300.20	3	0,1	26404	▲

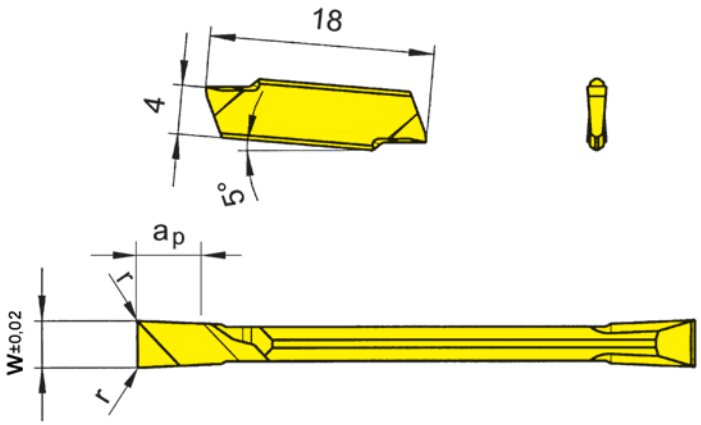
P	●
M	●
K	●
N	●
S	●
H	-

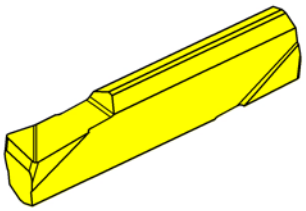
K

Plaquette amovible
Inserto

264







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

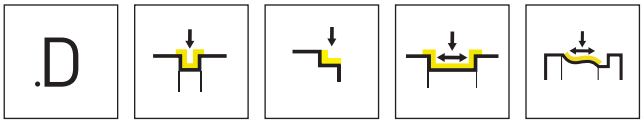
Numéro de commande Codice prodotto	w	r	HIS		T125	TN35
R264.0150.P0	1,5	0,05	26401		▲	▲
R264.0200.P0	2	0,05	26402		▲	▲
R264.0200.P2	2	0,2	26402			Δ
R264.0250.P0	2,5	0,1	26403		Δ	▲
R264.0250.P2	2,5	0,2	26403			Δ
R264.0300.P0	3	0,1	26404		▲	▲
R264.0300.P2	3	0,2	26404			Δ
L264.0150.P0	1,5	0,05	26401		Δ	▲
L264.0200.P0	2	0,05	26402		▲	Δ
L264.0200.P2	2	0,2	26402			Δ
L264.0250.P0	2,5	0,1	26403		Δ	
L264.0250.P2	2,5	0,2	26403			
L264.0300.P0	3	0,1	26404			Δ
				P	●	●
				M	●	●
				K	●	●
				N	●	●
				S	●	●
				H	-	-

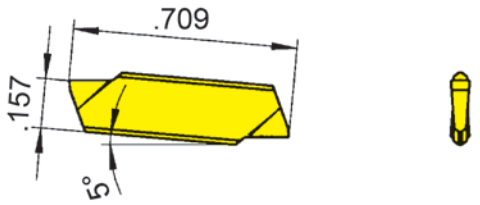
ap = 1,5 x w
ap = 1,5 x w

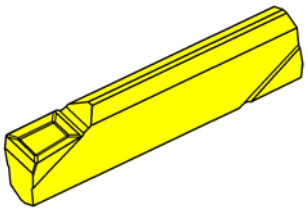
K

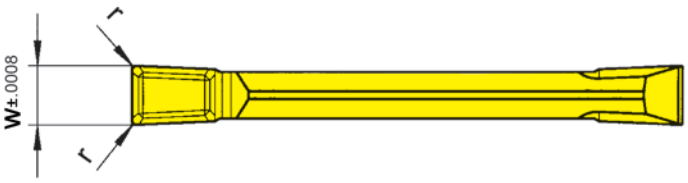
Plaquette amovible
Inserto

264









Nuance
Leghe

▲ en stock
a stock

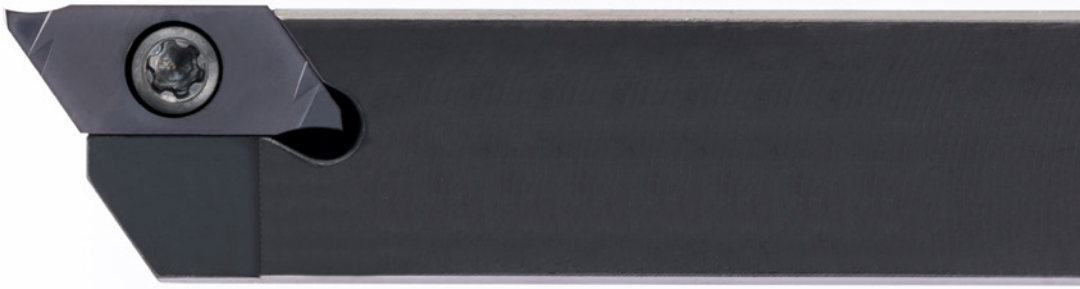
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS	TN35
S264.0150.D1	1,5	0,05	26401	▲
S264.0200.D1	2	0,05	26402	▲
S264.0250.D1	2,5	0,1	26403	▲
S264.0300.D1	3	0,1	26404	▲

P	●
M	●
K	●
N	●
S	●
H	-

K

274



Porte outils et plaquettes

Largeur de gorge 0,5 - 3 mm

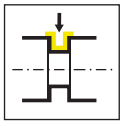
Portainserto e inserti

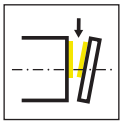
Larghezza della gola 0,5 - 3 mm

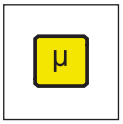
L

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 295

Porte outils
Portainserto
H274/RHC274/H274...E/
H274...SF

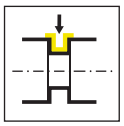

Page/Pag. 296-297, 300, 302-303, 321


Page/Pag. 298-299

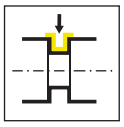


Page/Pag. 336-337

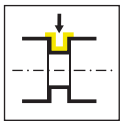
Porte outils Graf
Portainserto Graf
974


Page/Pag. 301

Cartouche
Cartuccia
KT274/KTC274


Page/Pag. 304-305

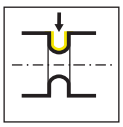
Cartouche Graf
Cartuccia Graf
76


Page/Pag. 306

Plaquette amovible
Inserto
S274/S274...E/S274...SF



Page/Pag. 307, 322


Page/Pag. 308, 323



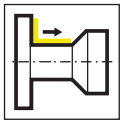
Page/Pag. 309, 315-316, 324, 329-330

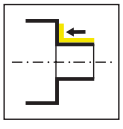


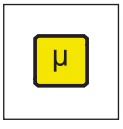
Page/Pag. 310, 317-318, 325, 331, 333



Page/Pag. 311, 319-320, 326, 334-335


Page/Pag. 312, 327

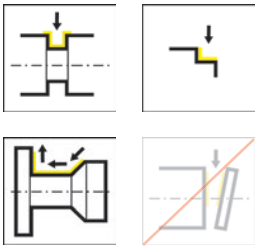
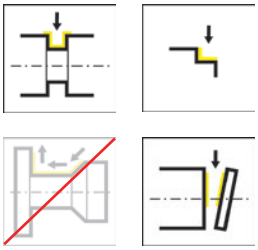
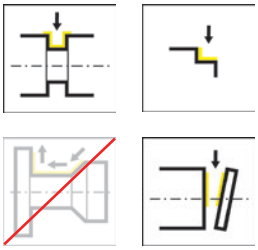
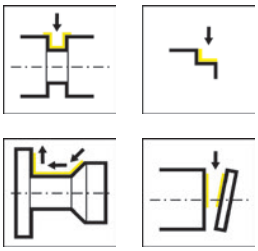

Page/Pag. 313-314, 328, 332



Page/Pag. 338-344

L

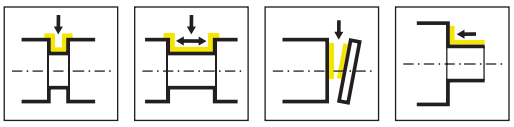
Géométries et avances
Geometrie e avanzamenti

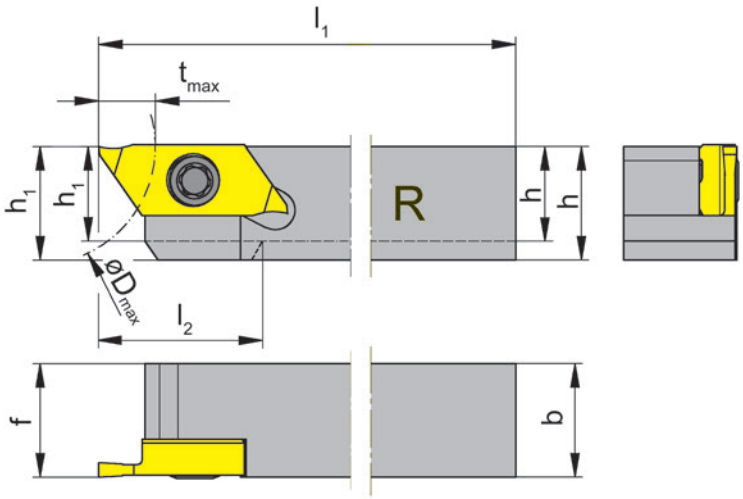
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.P	P M K N S H	↓ 0,02-0,08 ↔ 0,02-0,04	
.10	P M K N S H	↓ 0,05-0,15	
.20	P M K N S H	↓ 0,07-0,25	
.M0	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	
μ	P M K N S H	↓ 0,002-0,01 ↔ 0,002-0,02	

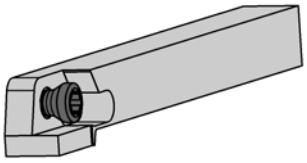
L

Porte outils
Portainserto

H274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f	t_{max}	D_{max}	HWS
RH274.0808.04	8	8	100	16	8	8	6	25	274040R
RH274.1010.04	10	10	100	-	10	10	6	25	274040R
RH274.1212.04	12	12	100	-	12	12	6	25	274040R
RH274.1414.04	14	14	100	-	14	14	6	25	274040R
RH274.1616.04	16	16	125	-	16	16	6	25	274040R
RH274.2020.04	20	20	125	-	20	20	6	25	274040R
RH274.2525.04	25	25	125	-	25	25	6	25	274040R
LH274.0808.04	8	8	100	16	8	8	6	25	274040L
LH274.1010.04	10	10	100	-	10	10	6	25	274040L
LH274.1212.04	12	12	100	-	12	12	6	25	274040L
LH274.1414.04	14	14	100	-	14	14	6	25	274040L
LH274.1616.04	16	16	125	-	16	16	6	25	274040L
LH274.2020.04	20	20	125	-	20	20	6	25	274040L
LH274.2525.04	25	25	125	-	25	25	6	25	274040L

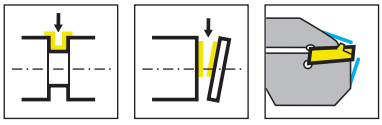
Pour porte-outil de dimension de carré de 8 x 8 mm avec décalage de la tête.
Il Quadro 8x8 presenta uno zona scaricata sul fronte.

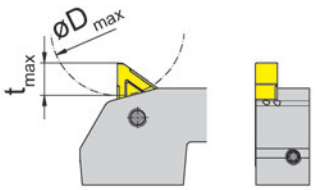
Pièces Détachées
Ricambi

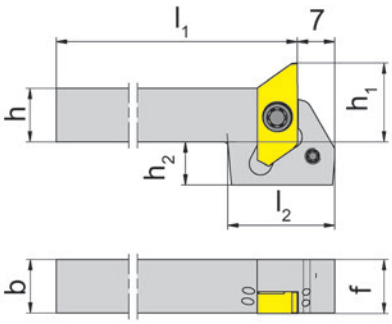
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH274.0808.04	**030.350P.0744**	**T15PQ**
R/LH274...	**030.3509.T15P**	**T15PQ**

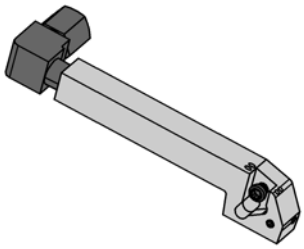
Porte outils
Portainserto

H274









L = version à gauche représentée
L = versione sinistra come in figura

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f	t_{max}	D_{max}	h_2	HWS
LH274.1010.3.Y.6.24.IK	10	10	73	20	14,7	10	6	25	8	274040L
LH274.1010.4.Y.6.24.IK	10	10	93	20	14,7	10	6	25	8	274040L
LH274.1212.3.Y.6.24.IK	12	12	73	20	16,7	12	6	25	6	274040L
LH274.1212.4.Y.6.24.IK	12	12	93	20	16,7	12	6	25	6	274040L
LH274.1616.3.Y.6.24.IK	16	16	73	20	20,7	16	6	25	2	274040L
LH274.1616.4.Y.6.24.IK	16	16	93	20	20,7	16	6	25	2	274040L

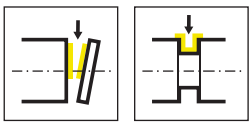
Pièces Détachées
Ricambi

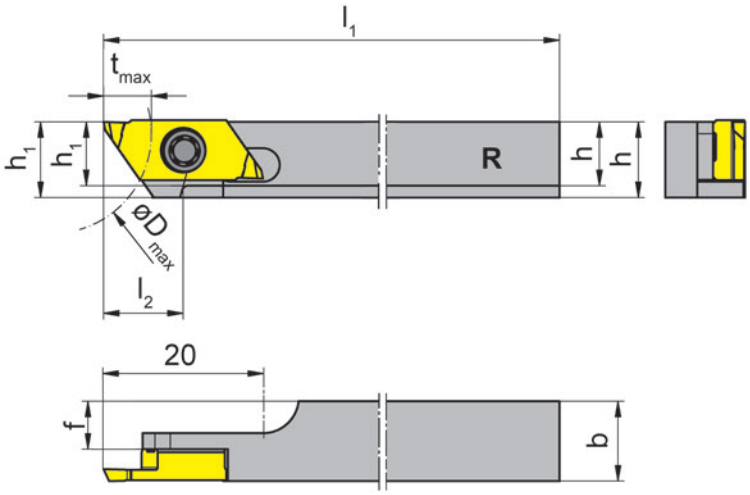
Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
LH274....	**004.00.22**	**030.3509.T15P**	**T15PQ**	
LH274.1616...	**004.00.16**	**030.3509.T15P**	**T15PQ**	**004.00.26**

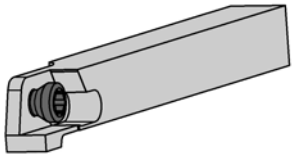
L

Porte outils
Portainserto

H274







R = version à droite représentée
R = versione destra come in figura

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f	t_{max}	D_{max}	HWS
RH274.0808.6.04	8	8	100	10	9,5	4	6	25	274040R
RH274.1010.6.04	10	10	100	10	9,5	6	6	25	274040R
RH274.1212.6.04	12	12	100	10	9,5	8	6	25	274040R

Pour porte-outil de dimension de carré de 8 x 8 mm avec décalage de la tête.
Il Quadro 8x8 presenta uno zona scaricata sul fronte.

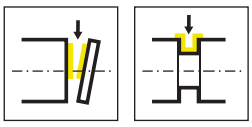
L

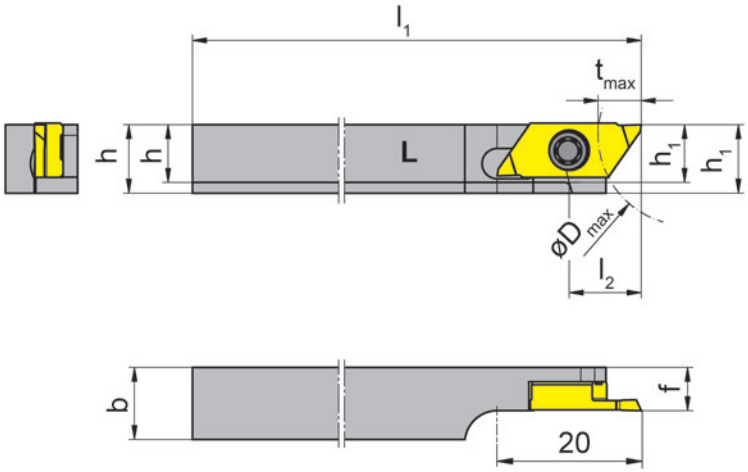
Pièces Détachées
Ricambi

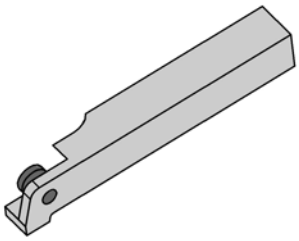
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RH274...	**030.350P.0981**	**T15PQ**

Porte outils
Portainserto

H274







L = version à gauche représentée
L = versione sinistra come in figura

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f	t_{max}	D_{max}	HWS
LH274.0808.6.04.M	8	8	100	10	9,5	6	6	25	274040L
LH274.1010.6.04.M	10	10	100	10	9,5	6	6	25	274040L
LH274.1212.6.04.M	12	12	100	10	9,5	6	6	25	274040L

Pour porte-outil de dimension de carré de 8 x 8 mm avec décalage de la tête.
Il Quadro 8x8 presenta uno zona scaricata sul fronte.

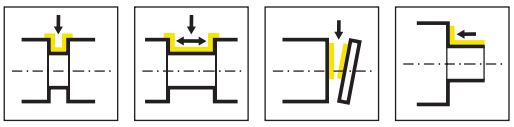
Pièces Détachées
Ricambi

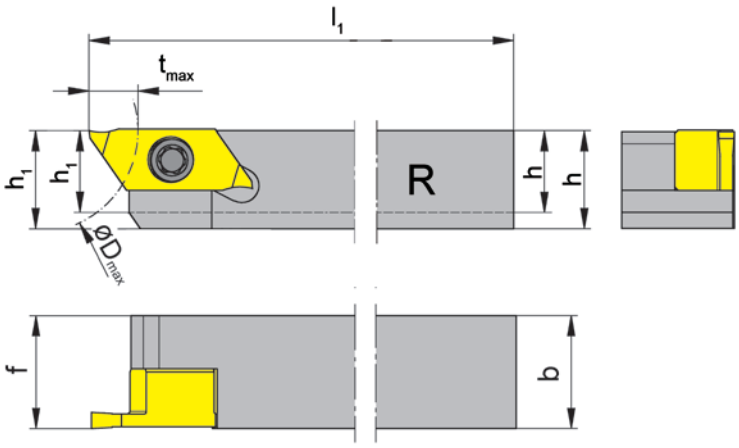
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LH274...	**030.350P.0981**	**T15PQ**

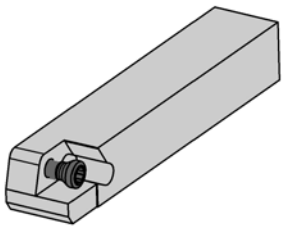
L

Porte outils
Portainserto

H274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH274.1214.07	12	14	100	12	14	6	25	274070R
RH274.1616.07	16	16	125	16	16	6	25	274070R
LH274.1214.07	12	14	100	12	14	6	25	274070L
LH274.1616.07	16	16	125	16	16	6	25	274070L

Porte-outils pour largeurs spéciales resp. formes de plaquettes spéciales
Portainserto specifico per inserti speciali sagomati

L

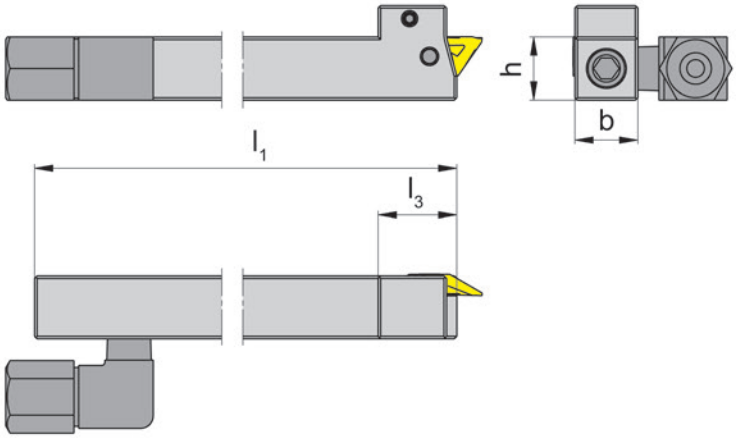
Pièces Détachées
Ricambi

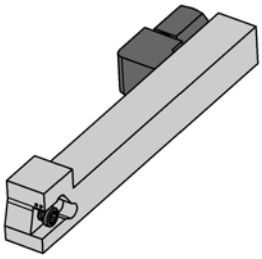
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH274...	**030.3513.T15P**	**T15PQ**

Porte outils Graf
Portainserto Graf

974







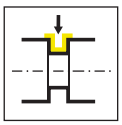
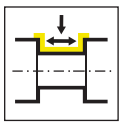
R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

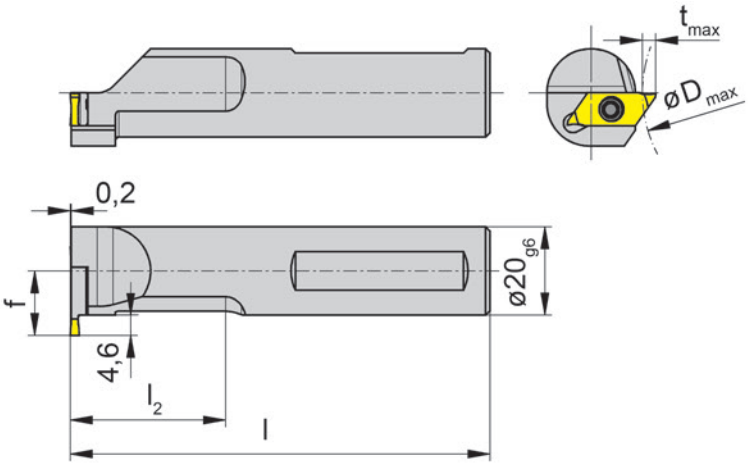
Numéro de commande Codice prodotto	h	b	l_1	l_3	HWS
974.L.1012.04.IK	10	12	100	15	274040L
974.L.1212.04.IK	12	12	100	15	274040L
974.L.1616.04.IK	16	16	100	15	274040L
974.L.2020.04.IK	20	20	100	15	274040L
974.R.1012.04.IK	10	12	100	15	274040R
974.R.1212.04.IK	12	12	100	15	274040R
974.R.1616.04.IK	16	16	100	15	274040R
974.R.2020.04.IK	20	20	100	15	274040R

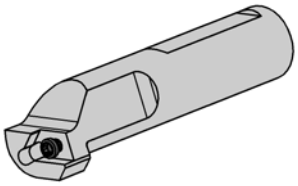
Porte outils
Portainserto

RHC274





R = version à droite représentée
R = versione destra come in figura

Numéro de commande Codice prodotto	l	l_2	f	t_{max}	HWS	HMS
RHC274.0020.1.04	95	35	14,6	6	274040L	Index Traub

Profondeur de gorgee par rapport au ø de la pièce
Profondità gola in funzione al ø del pezzo in lavorazione

Dmax	tmax
40	2
60	3
120	3,5

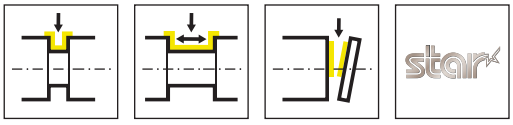
L

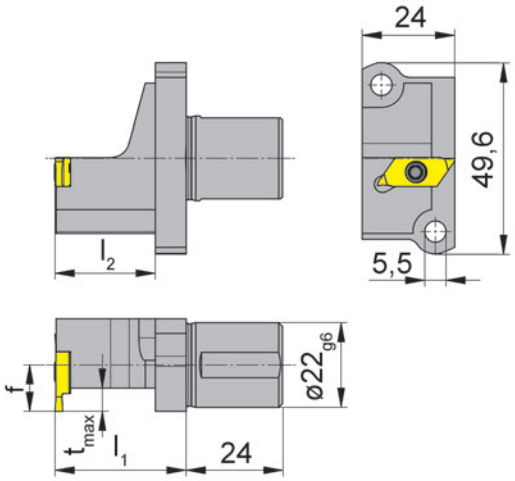
Pièces Détachées
Ricambi

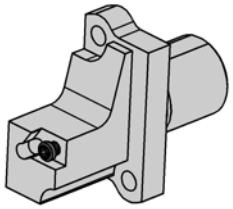
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RHC274.0020.1.04	**030.3509.T15P**	**T15PQ**

Porte outils
Portainserto

H274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	f	l_1	t_{max}	l_2	HWS	HMS
RH274.A022.09.04	9	34	6	26	274040R	Star
RH274.A022.12.04	12	34	6	26	274040L	Star
RH274.A022.16.04	16	34	6	26	274040L	Star
RH274.A022.12.07	12	34	6	26	274070L	Star
LH274.A022.09.04	9	34	6	26	274040R	Star
LH274.A022.16.04	16	34	6	26	274040R	Star
LH274.A022.09.07	9	34	6	26	274070R	Star
LH274.A022.12.07	12	34	6	26	274070R	Star

pour machines types suisse Star
per macchine fantina mobile Star

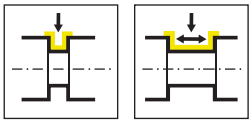
Pièces Détachées
Ricambi

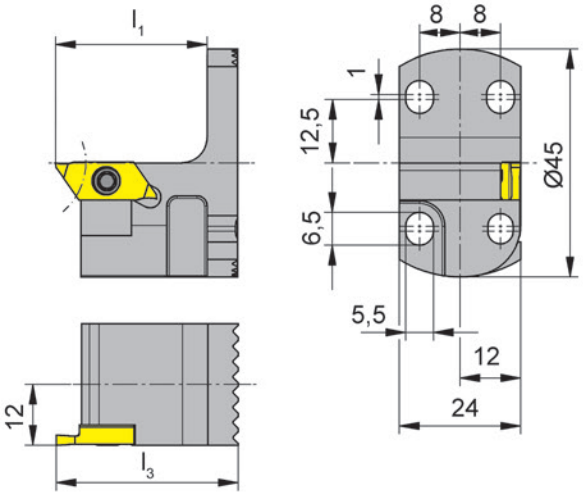
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH274...	**030.3513.T15P**	**T15PQ**

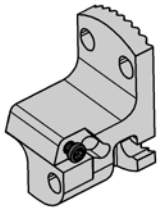
L

Cartouche
Cartuccia

KT274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	l_3	l_1	HWS
RKT274.2445.04	36	30	274040R
LKT274.2445.04	36	30	274040L

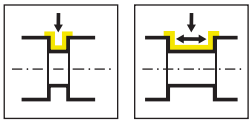
L

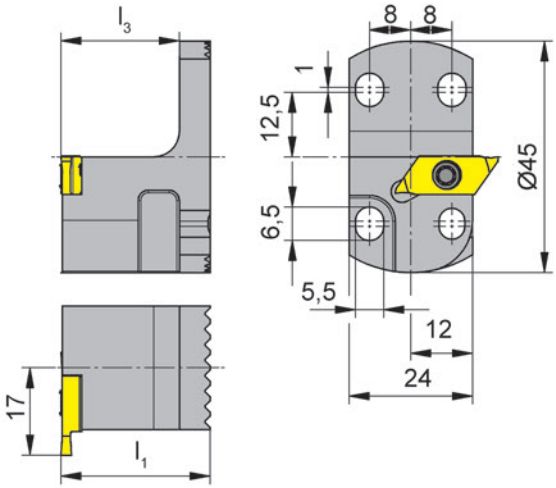
Pièces Détachées
Ricambi

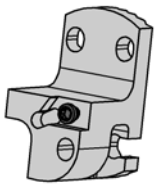
Cartouche Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LKT274.2445.04	**030.3509.T15P**	**T15PQ**

Cartouche
Cartuccia

KTC274







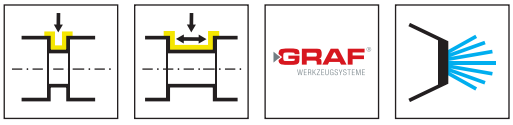
R = version à droite représentée
R = versione destra come in figura

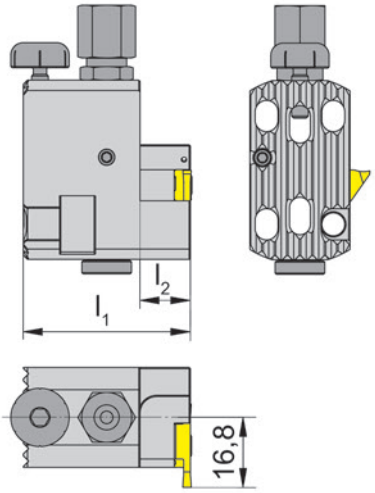
Numéro de commande Codice prodotto	l_1	l_3	HWS
RKTC274.2445.04	29	23	274040L

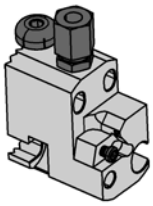
Pièces Détachées
Ricambi

Cartouche Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RKTC274.2445.04	**030.3509.T15P**	**T15PQ**

L







R = version à droite représentée
R = versione destra come in figura

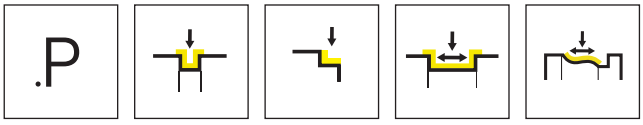
Numéro de commande Codice prodotto	l_1	l_2	HWS
R.76.IK	40	12	274040R

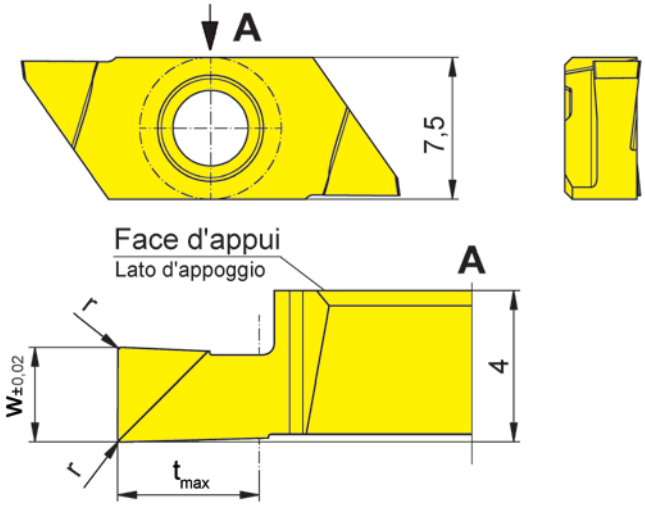
Pièces Détachées
Ricambi

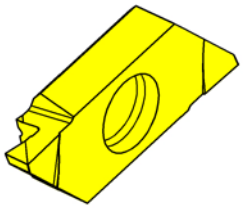
Cartouche Graf Cartuccia Graf	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R.76.IK	**004.00.19**	**030.3509.T15P**	**T15PQ**

Plaquette amovible
Inserto

S274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

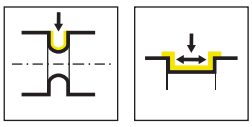
Numéro de commande Codice prodotto	w	r	t_{max}	HIS	IG35	TH35
RS274.0050.P0	0,5	-	1	274040R	▲	▲
RS274.0100.P0	1	-	2	274040R	▲	▲
RS274.0150.P0	1,5	0,05	2,25	274040R	▲	▲
RS274.0200.P0	2	0,05	3	274040R	▲	▲
RS274.0250.P0	2,5	0,1	3,75	274040R	▲	▲
RS274.0300.P0	3	0,1	4,5	274040R	▲	▲
LS274.0050.P0	0,5	-	1	274040L	▲	▲
LS274.0100.P0	1	-	2	274040L	▲	▲
LS274.0150.P0	1,5	0,05	2,25	274040L	▲	▲
LS274.0200.P0	2	0,05	3	274040L	Δ	▲
LS274.0250.P0	2,5	0,1	3,75	274040L	▲	▲
LS274.0300.P0	3	0,1	4,5	274040L	Δ	▲

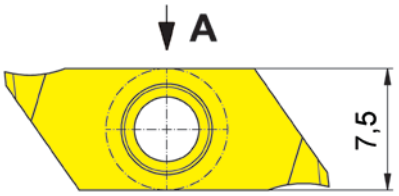
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

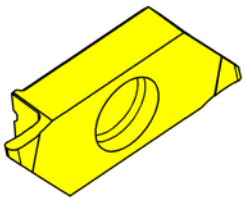
Plaquette amovible
Inserto

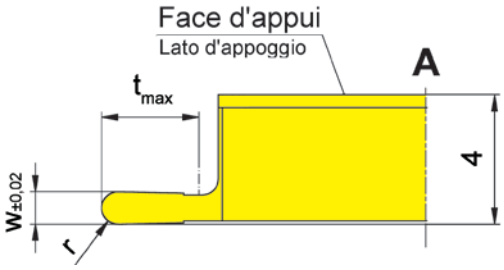
S274











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

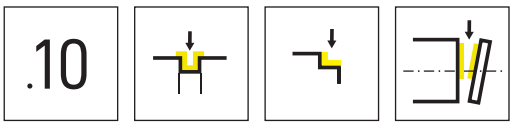
Numéro de commande Codice prodotto	w	r	t_{max}	HIS	IG35	TH35
RS274.0205.01.10	0,5	0,25	1,5	274040R	▲	▲
RS274.0510.03.10	1	0,5	3	274040R	▲	▲
RS274.1020.04.10	2	1	4	274040R	▲	▲
LS274.0205.01.10	0,5	0,25	1,5	274040L	▲	▲
LS274.0510.03.10	1	0,5	3	274040L	▲	▲
LS274.1020.04.10	2	1	4	274040L	Δ	▲

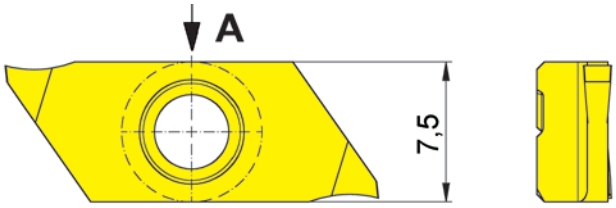
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

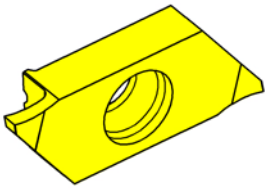
L

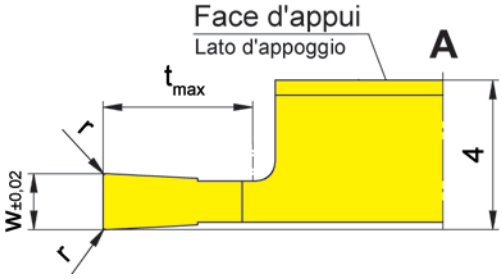
Plaquette amovible
Inserto

S274









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

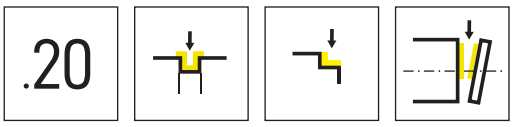
Numéro de commande Codice prodotto	w	r	t_{max}	HIS	IG35	TH35
RS274.0050.01.10	0,5	0,05	1,5	274040R	▲	▲
RS274.0070.02.10	0,7	0,05	2	274040R	▲	▲
RS274.0080.03.10	0,8	0,05	3	274040R	▲	▲
RS274.0100.03.10	1	0,05	3	274040R	▲	▲
RS274.0120.03.10	1,2	0,05	3	274040R	▲	▲
RS274.0150.04.10	1,5	0,05	4	274040R	▲	▲
RS274.0150.06.10	1,5	0,05	6	274040R	▲	▲
RS274.0200.04.10	2	0,05	4	274040R	▲	▲
RS274.0200.06.10	2	0,05	6	274040R	▲	▲
LS274.0050.01.10	0,5	0,05	1,5	274040L	▲	▲
LS274.0070.02.10	0,7	0,05	2	274040L	Δ	Δ
LS274.0080.03.10	0,8	0,05	3	274040L	▲	▲
LS274.0100.03.10	1	0,05	3	274040L	▲	▲
LS274.0120.03.10	1,2	0,05	3	274040L	▲	▲
LS274.0150.04.10	1,5	0,05	4	274040L	▲	▲
LS274.0150.06.10	1,5	0,05	6	274040L	▲	▲
LS274.0200.04.10	2	0,05	4	274040L	▲	▲
LS274.0200.06.10	2	0,05	6	274040L	▲	▲

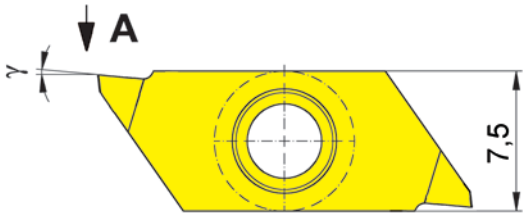
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

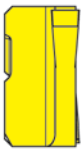
L

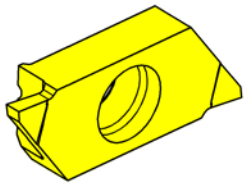
Plaquette amovible
Inserto

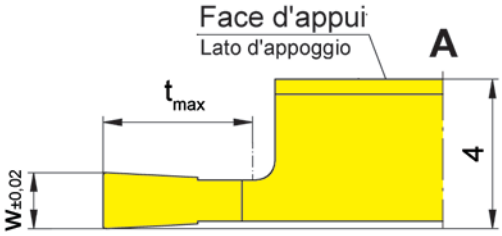
S274











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

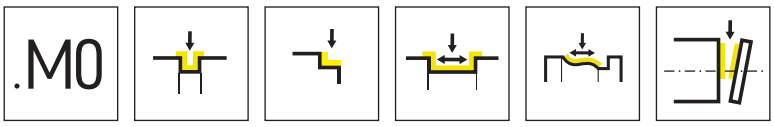
Numéro de commande Codice prodotto	w	t_{max}	γ	HIS	IG35	TH35
RS274.0050.01.20	0,5	1,5	5°	274040R	▲	▲
RS274.0070.02.20	0,7	2	5°	274040R	Δ	▲
RS274.0080.03.20	0,8	3	5°	274040R	Δ	▲
RS274.0100.03.20	1	3	5°	274040R	▲	▲
RS274.0120.03.20	1,2	3	5°	274040R	Δ	▲
RS274.0150.04.20	1,5	4	5°	274040R	▲	▲
RS274.0150.06.20	1,5	6	5°	274040R	Δ	Δ
RS274.0200.04.20	2	4	5°	274040R	Δ	▲
RS274.0200.06.20	2	6	5°	274040R	Δ	▲
LS274.0050.01.20	0,5	1,5	5°	274040L	Δ	▲
LS274.0070.02.20	0,7	2	5°	274040L	Δ	▲
LS274.0080.03.20	0,8	3	5°	274040L	Δ	Δ
LS274.0100.03.20	1	3	5°	274040L	Δ	Δ
LS274.0120.03.20	1,2	3	5°	274040L	Δ	Δ
LS274.0150.04.20	1,5	4	5°	274040L	▲	▲
LS274.0150.06.20	1,5	6	5°	274040L	Δ	▲
LS274.0200.04.20	2	4	5°	274040L	Δ	Δ
LS274.0200.06.20	2	6	5°	274040L	Δ	Δ

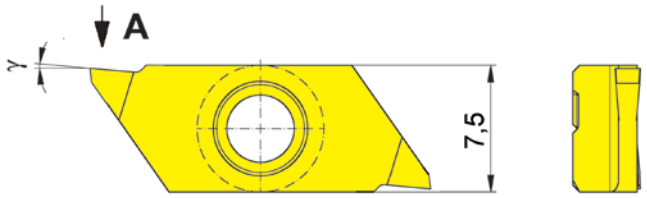
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

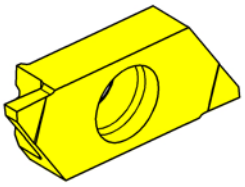
L

Plaquette amovible
Inserto

S274









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

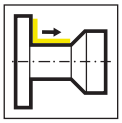
Numéro de commande Codice prodotto	w	t_{max}	γ	HIS	IG35	TH35
RS274.0050.01.M0	0,5	1,5	0°	274040R	Δ	▲
RS274.0070.02.M0	0,7	2	0°	274040R	Δ	Δ
RS274.0080.03.M0	0,8	3	0°	274040R	Δ	Δ
RS274.0100.03.M0	1	3	0°	274040R	Δ	▲
RS274.0120.03.M0	1,2	3	0°	274040R	Δ	▲
RS274.0150.04.M0	1,5	4	0°	274040R	Δ	Δ
RS274.0150.06.M0	1,5	6	0°	274040R	Δ	Δ
RS274.0200.04.M0	2	4	0°	274040R	Δ	Δ
RS274.0200.06.M0	2	6	0°	274040R	Δ	▲
LS274.0050.01.M0	0,5	1,5	0°	274040L	Δ	Δ
LS274.0070.02.M0	0,7	2	0°	274040L	▲	
LS274.0080.03.M0	0,8	3	0°	274040L	Δ	Δ
LS274.0100.03.M0	1	3	0°	274040L	Δ	Δ
LS274.0120.03.M0	1,2	3	0°	274040L	Δ	Δ
LS274.0150.04.M0	1,5	4	0°	274040L	Δ	Δ
LS274.0150.06.M0	1,5	6	0°	274040L	Δ	Δ
LS274.0200.04.M0	2	4	0°	274040L	Δ	Δ
LS274.0200.06.M0	2	6	0°	274040L	Δ	Δ

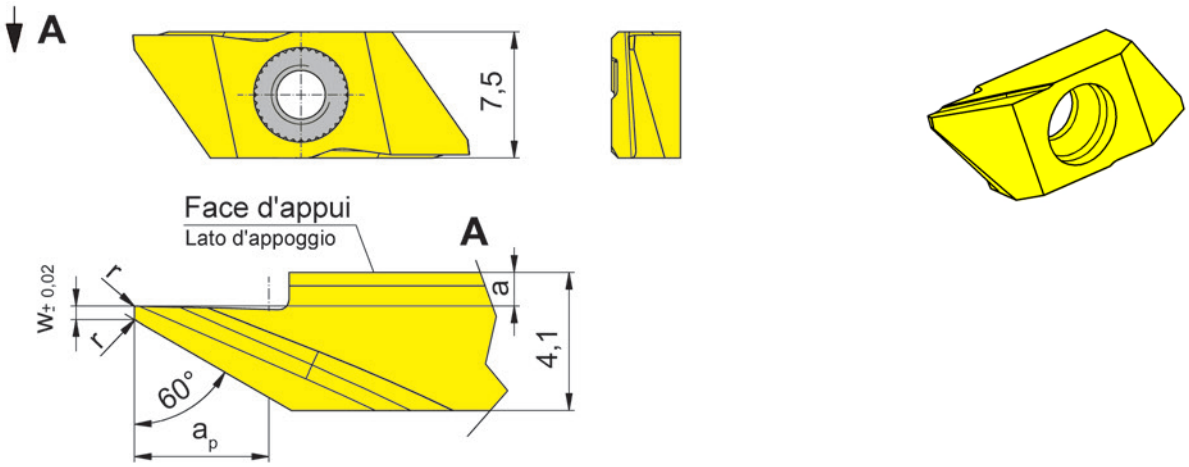
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

Plaquette amovible
Inserto

S274...E





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

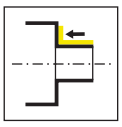
Δ 4 semaines
4 settimane

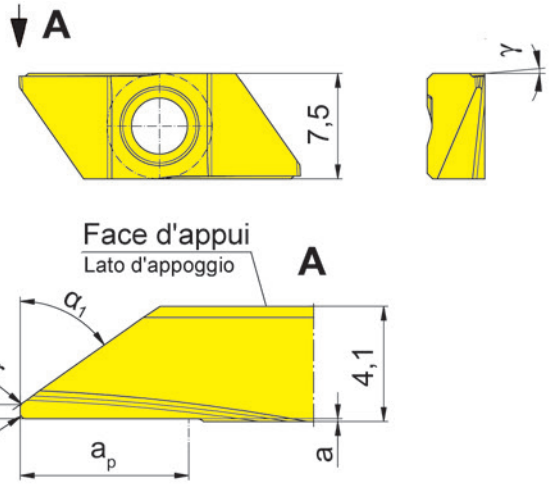
Numéro de commande Codice prodotto	w	r	a	γ	a_p	HIS	Nuance Leghe IG35	TH35
RS274.0060.04.10	-	0,05	1	15°	4	274040R	▲	▲
RS274.0460.04.10	0,4	0,05	1	15°	4	274040R	▲	▲
RS274.0460.04.M0	0,4	0,05	1	0°	4	274040R	Δ	Δ
RS274.0560.06.11	0,5	0,1	0,05	15°	6	274040R	▲	▲
LS274.0060.04.10	-	0,05	1	15°	4	274040L	Δ	Δ
LS274.0460.04.10	0,4	0,05	1	15°	4	274040L	▲	▲
LS274.0460.04.M0	0,4	0,05	1	0°	4	274040L	Δ	Δ
LS274.0560.06.11	0,5	0,1	0,05	15°	6	274040L	▲	▲
							P -	●
							M ●	●
							K -	●
							N -	●
							S ●	●
							H -	-

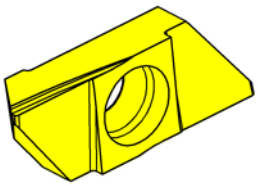
L

Plaquette amovible
Inserto

S274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

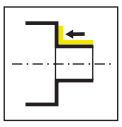
Numéro de commande Codice prodotto	w	r	α_1	a	γ	a_p	α_2	HIS	IG35	TH35
RS274.0035.04.20	-	0,05	35°	0,1	5°	4	0°	274040R	▲	▲
RS274.0055.04.20	-	0,05	55°	0,1	5°	4	0°	274040R	Δ	▲
RS274.0235.04.20	0,2	-	35°	0,1	5°	4	0°	274040R	▲	▲
RS274.0255.04.20	0,2	-	55°	0,1	5°	4	0°	274040R	Δ	▲
RS274.0535.06.20	0,5	0,2	35°	0,1	5°	6	0°	274040R	▲	▲
RS274.0555.06.20	0,5	0,2	55°	0,1	5°	6	0°	274040R	▲	▲
LS274.0035.04.20	-	0,05	35°	0,1	5°	4	0°	274040L	Δ	Δ
LS274.0055.04.20	-	0,05	55°	0,1	5°	4	0°	274040L	Δ	▲
LS274.0235.04.20	0,2	-	35°	0,1	5°	4	0°	274040L	Δ	▲
LS274.0255.04.20	0,2	-	55°	0,1	5°	4	0°	274040L	Δ	Δ
LS274.0535.06.20	0,5	0,2	35°	0,1	5°	6	0°	274040L	Δ	Δ
LS274.0555.06.20	0,5	0,2	55°	0,1	5°	6	0°	274040L	▲	▲

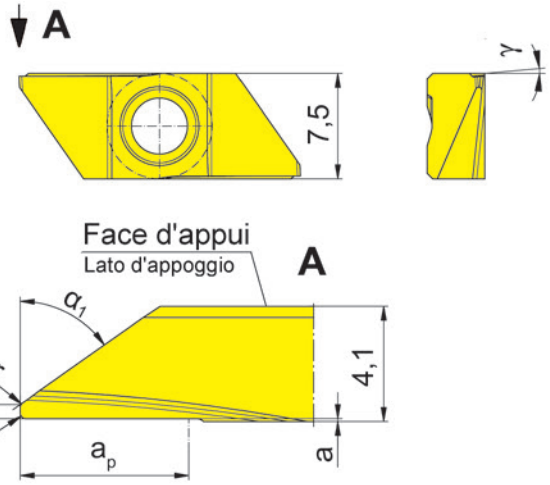
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

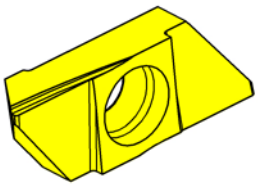
L

Plaquette amovible
Inserto

S274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

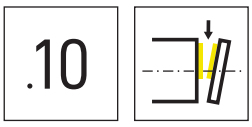
Numéro de commande Codice prodotto	w	r	α_1	a	γ	a_p	α_2	HIS	IG35	TH35
RS274.0035.24.20	-	0,05	35°	0,1	5°	4	2°	274040R	▲	▲
RS274.0235.24.20	0,2	-	35°	0,1	5°	4	2°	274040R	Δ	▲
RS274.0535.26.20	0,5	0,2	35°	0,1	5°	6	2°	274040R	▲	▲
RS274.0055.24.20	-	0,05	55°	0,1	5°	4	2°	274040R	Δ	▲
RS274.0255.24.20	0,2	-	55°	0,1	5°	4	2°	274040R	Δ	▲
RS274.0555.26.20	0,5	0,2	55°	0,1	5°	6	2°	274040R	Δ	▲
LS274.0035.24.20	-	0,05	35°	0,1	5°	4	2°	274040L	Δ	Δ
LS274.0235.24.20	0,2	-	35°	0,1	5°	4	2°	274040L	▲	Δ
LS274.0535.26.20	0,5	0,2	35°	0,1	5°	6	2°	274040L	▲	▲
LS274.0055.24.20	-	0,05	55°	0,1	5°	4	2°	274040L	▲	
LS274.0255.24.20	0,2	-	55°	0,1	5°	4	2°	274040L	Δ	Δ
LS274.0555.26.20	0,5	0,2	55°	0,1	5°	6	2°	274040L	Δ	Δ

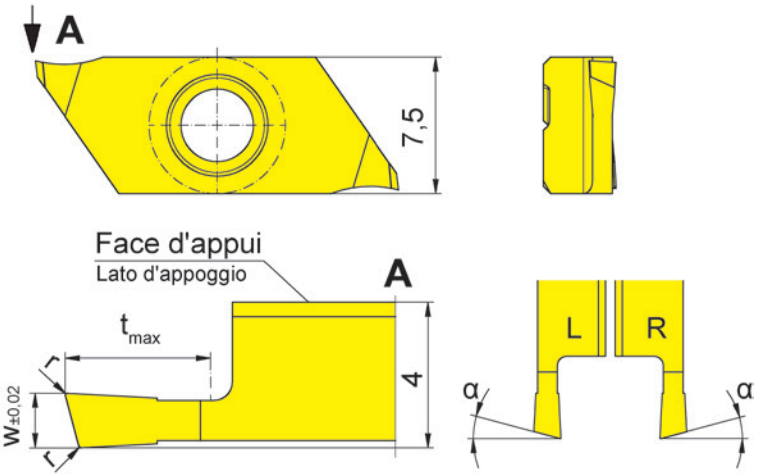
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

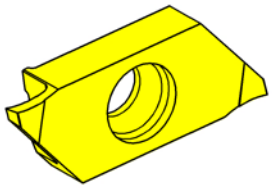
L

Plaquette amovible
Inserto

S274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10	0,8	0,05	3	15°	274040R	▲	▲
RS274.1510.03.10	1	0,05	3	15°	274040R	▲	▲
RS274.1515.04.10	1,5	0,05	4	15°	274040R	▲	▲
RS274.1520.06.10	2	0,05	6	15°	274040R	▲	▲
LS274.1508.03.10	0,8	0,05	3	15°	274040L	▲	▲
LS274.1510.03.10	1	0,05	3	15°	274040L	▲	▲
LS274.1515.04.10	1,5	0,05	4	15°	274040L	▲	▲
LS274.1520.06.10	2	0,05	6	15°	274040L	▲	▲

tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

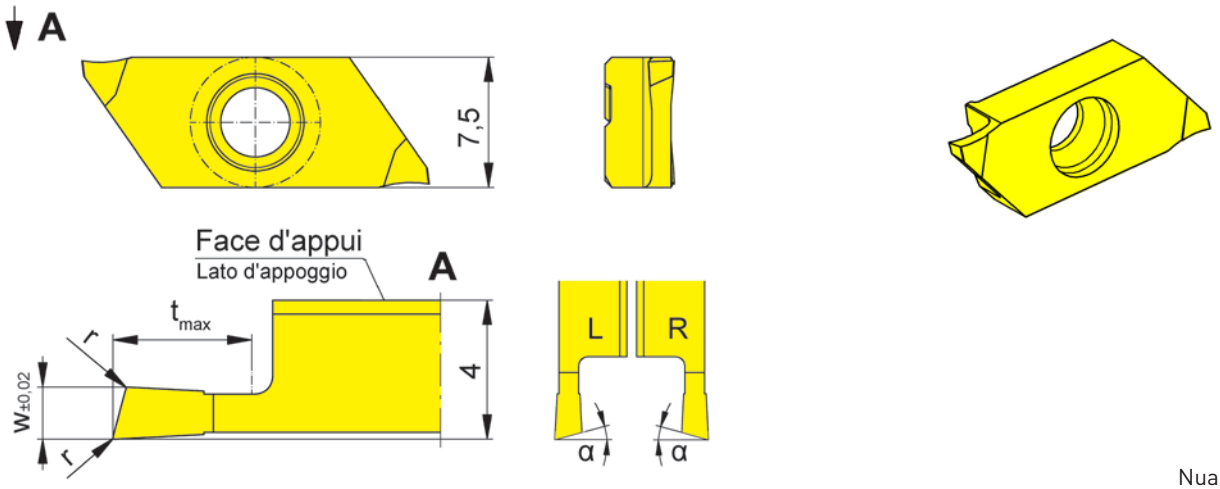
	IG35	TH35
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

Plaquette amovible
Inserto

S274

.10



R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

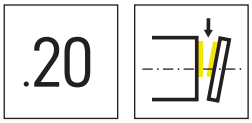
Numéro de commande Codice prodotto	w	r	t_{max}	α	HIS		IG35	TH35
RS274.1508.03.10L	0,8	0,05	3	15°	274040R		Δ	Δ
RS274.1510.03.10L	1	0,05	3	15°	274040R		Δ	Δ
RS274.1515.04.10L	1,5	0,05	4	15°	274040R		Δ	Δ
RS274.1520.06.10L	2	0,05	6	15°	274040R		Δ	▲
LS274.1508.03.10R	0,8	0,05	3	15°	274040L		▲	▲
LS274.1510.03.10R	1	0,05	3	15°	274040L		▲	▲
LS274.1515.04.10R	1,5	0,05	4	15°	274040L		▲	▲
LS274.1520.06.10R	2	0,05	6	15°	274040L		▲	▲
						P	-	●
						M	●	●
						K	-	●
						N	-	●
						S	●	●
						H	-	-

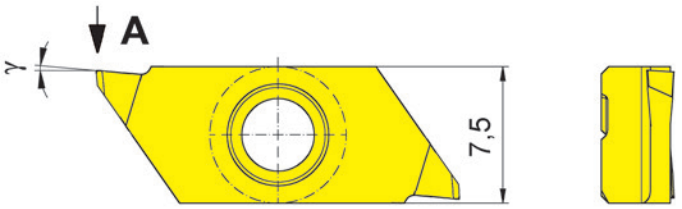
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

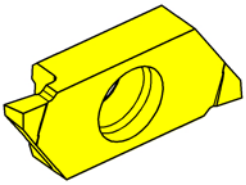
L

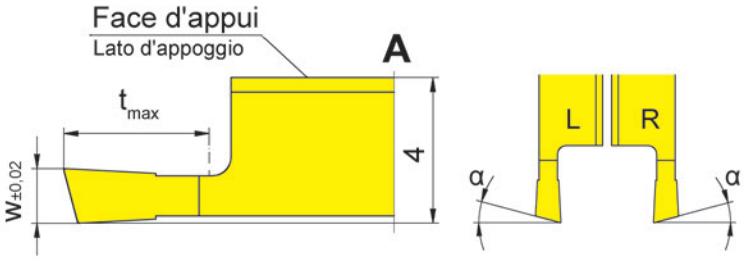
Plaquette amovible
Inserto

S274









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1515.04.20	1,5	4	15°	5°	274040R	Δ	Δ
RS274.1520.06.20	2	6	15°	5°	274040R	Δ	Δ
LS274.1515.04.20	1,5	4	15°	5°	274040L	Δ	Δ
LS274.1520.06.20	2	6	15°	5°	274040L	Δ	Δ

tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

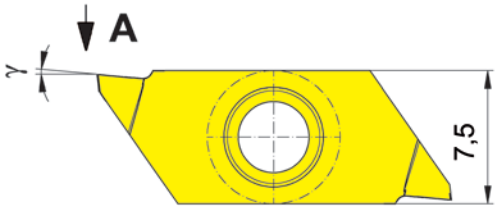
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

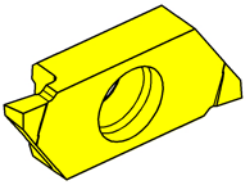
Plaquette amovible
Inserto

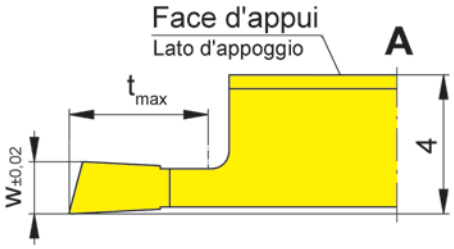
S274

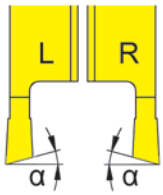
.20











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	Nuance Leghe IG35	Nuance Leghe TH35
RS274.1520.06.20L	2	6	15°	5°	274040R	Δ	Δ
LS274.1515.04.20R	1,5	4	15°	5°	274040L	Δ	Δ
LS274.1520.06.20R	2	6	15°	5°	274040L	Δ	Δ

tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

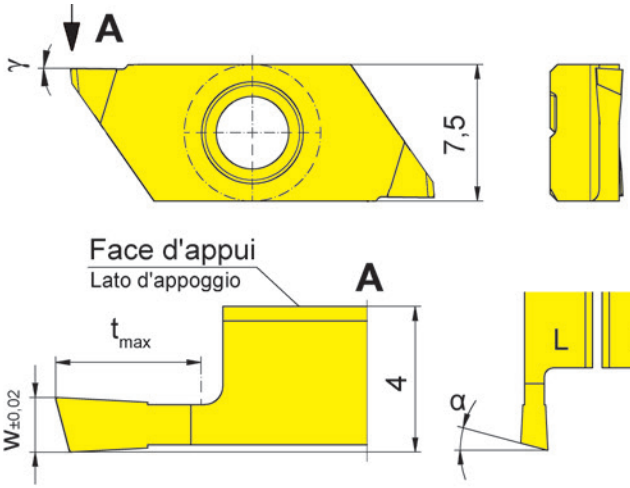
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

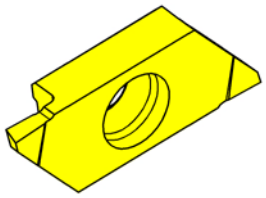
L

Plaquette amovible
Inserto

S274

.M0





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.M0	0,8	3	15°	0°	274040R	Δ	Δ
RS274.1510.03.M0	1	3	15°	0°	274040R	Δ	▲
RS274.1515.04.M0	1,5	4	15°	0°	274040R	Δ	Δ
RS274.1520.06.M0	2	6	15°	0°	274040R	Δ	Δ
LS274.1508.03.M0	0,8	3	15°	0°	274040L	Δ	Δ
LS274.1510.03.M0	1	3	15°	0°	274040L	Δ	Δ
LS274.1515.04.M0	1,5	4	15°	0°	274040L	Δ	Δ
LS274.1520.06.M0	2	6	15°	0°	274040L	Δ	Δ

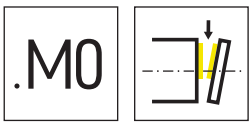
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

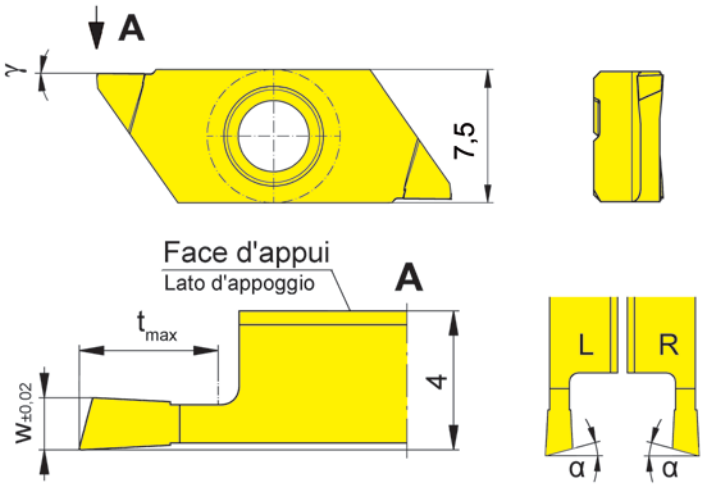
	IG35	TH35
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

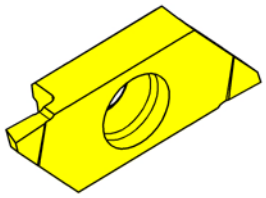
L

Plaquette amovible
Inserto

S274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1510.03.M0L	1	3	15°	0°	274040R	Δ	
RS274.1515.04.M0L	1,5	4	15°	0°	274040R	Δ	Δ
RS274.1520.06.M0L	2	6	15°	0°	274040R	Δ	Δ
LS274.1508.03.M0R	0,8	3	15°	0°	274040L	Δ	▲
LS274.1510.03.M0R	1	3	15°	0°	274040L	Δ	Δ
LS274.1515.04.M0R	1,5	4	15°	0°	274040L	Δ	Δ
LS274.1520.06.M0R	2	6	15°	0°	274040L	Δ	Δ

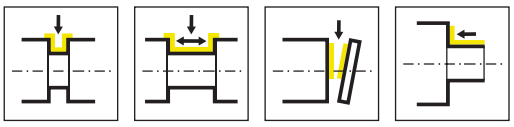
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ≤ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ≤ 25 mm.

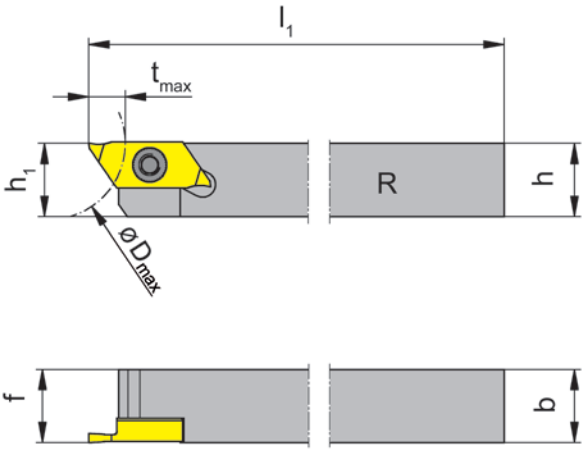
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

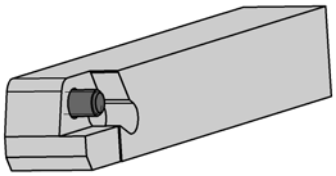
L

Porte outils
Portainserto

H274...E







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH274.0808.04.E	8	8	100	8	8	6	25	274140R
RH274.1010.04.E	10	10	100	10	10	6	25	274140R
RH274.1212.04.E	12	12	100	12	12	6	25	274140R
RH274.1616.04.E	16	16	125	16	16	6	25	274140R
RH274.2020.04.E	20	20	125	20	20	6	25	274140R
LH274.0808.04.E	8	8	100	8	8	6	25	274140L
LH274.1010.04.E	10	10	100	10	10	6	25	274140L
LH274.1212.04.E	12	12	100	12	12	6	25	274140L
LH274.1616.04.E	16	16	125	16	16	6	25	274140L
LH274.2020.04.E	20	20	125	20	20	6	25	274140L

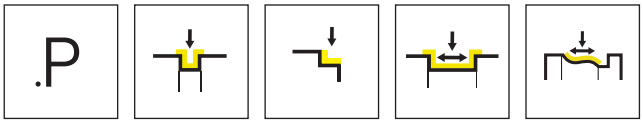
Pièces Détachées
Ricambi

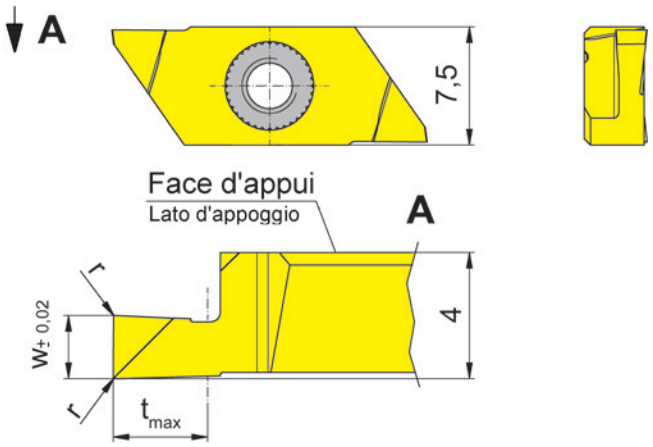
Porte outils Portainserto	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis de serrage** Vite di serraggio
R/LH274.0808.04.E	**T15PQ**	
R/LH274...	**T15PQ**	**030.3509.T15P**

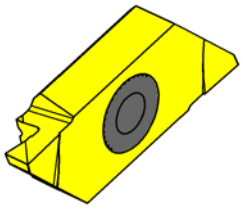
L

Plaquette amovible
Inserto

S274...E







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

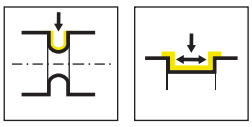
Nuance
Leghe

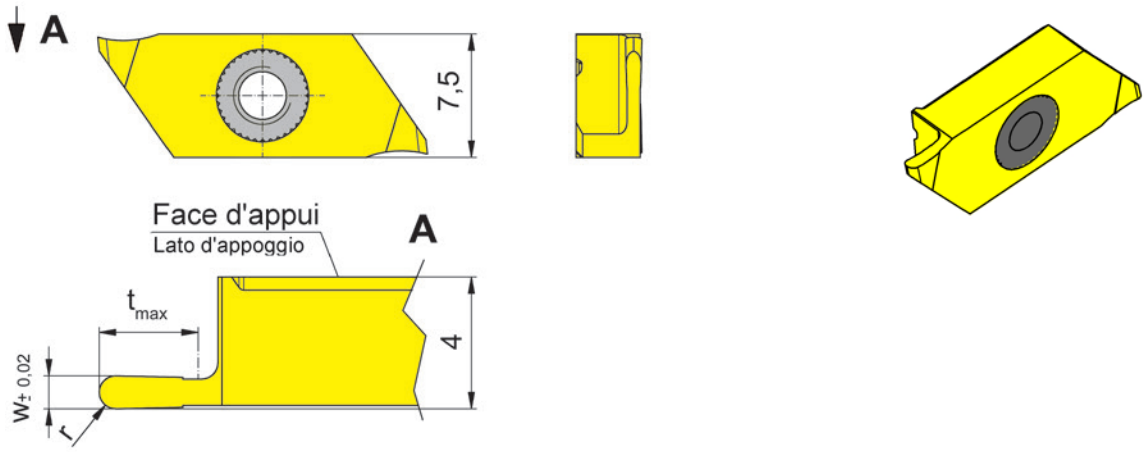
Numéro de commande Codice prodotto	w	r	t_{max}	HIS		IG35	TH35
RS274.0150.P0.E	1,5	0,05	2,25	274140R		Δ	Δ
RS274.0200.P0.E	2	0,05	3	274140R		Δ	Δ
RS274.0250.P0.E	2,5	0,1	3,75	274140R		Δ	Δ
RS274.0300.P0.E	3	0,1	4,5	274140R		Δ	Δ
LS274.0150.P0.E	1,5	0,05	2,25	274140L		Δ	Δ
LS274.0200.P0.E	2	0,05	3	274140L		Δ	Δ
LS274.0250.P0.E	2,5	0,1	3,75	274140L		Δ	Δ
LS274.0300.P0.E	3	0,1	4,5	274140L		Δ	Δ
					P	-	●
					M	●	●
					K	-	●
					N	-	●
					S	●	●
					H	-	-

L

Plaquette amovible
Inserto

S274...E





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

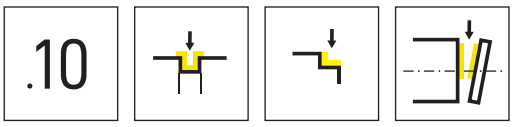
Δ 4 semaines
4 settimane

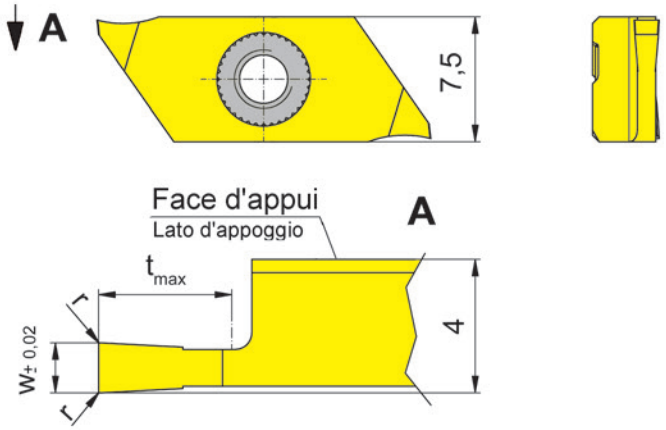
Numéro de commande Codice prodotto	w	r	t_{max}	HIS	Nuance Leghe IG35	TH35
RS274.0205.01.10.E	0,5	0,25	1,5	274140R	Δ	Δ
RS274.0510.03.10.E	1	0,5	3	274140R	Δ	▲
RS274.1020.04.10.E	2	1	4	274140R	Δ	Δ
LS274.0205.01.10.E	0,5	0,25	1,5	274140L	Δ	Δ
LS274.0510.03.10.E	1	0,5	3	274140L	Δ	Δ
LS274.1020.04.10.E	2	1	4	274140L	Δ	Δ
					P -	●
					M ●	●
					K -	●
					N -	●
					S ●	●
					H -	-

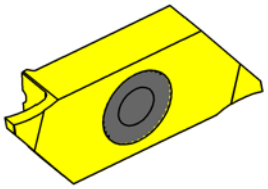
L

Plaquette amovible
Inserto

S274...E







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

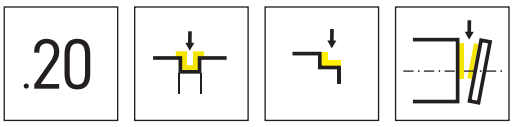
Numéro de commande Codice prodotto	w	r	t_{max}	HIS	IG35	TH35
RS274.0050.01.10.E	0,5	0,05	1,5	274140R	Δ	Δ
RS274.0070.02.10.E	0,7	0,05	2	274140R	Δ	Δ
RS274.0080.03.10.E	0,8	0,05	3	274140R	Δ	Δ
RS274.0100.03.10.E	1	0,05	3	274140R	Δ	Δ
RS274.0120.03.10.E	1,2	0,05	3	274140R	Δ	Δ
RS274.0150.04.10.E	1,5	0,05	4	274140R	Δ	Δ
RS274.0150.06.10.E	1,5	0,05	6	274140R	Δ	Δ
RS274.0200.04.10.E	2	0,05	4	274140R	Δ	Δ
RS274.0200.06.10.E	2	0,05	6	274140R	Δ	Δ
LS274.0050.01.10.E	0,5	0,05	1,5	274140L	Δ	Δ
LS274.0070.02.10.E	0,7	0,05	2	274140L	Δ	Δ
LS274.0080.03.10.E	0,8	0,05	3	274140L	Δ	Δ
LS274.0100.03.10.E	1	0,05	3	274140L		Δ
LS274.0120.03.10.E	1,2	0,05	3	274140L	Δ	Δ
LS274.0150.04.10.E	1,5	0,05	4	274140L	Δ	Δ
LS274.0150.06.10.E	1,5	0,05	6	274140L	Δ	
LS274.0200.04.10.E	2	0,05	4	274140L	Δ	Δ
LS274.0200.06.10.E	2	0,05	6	274140L	Δ	Δ

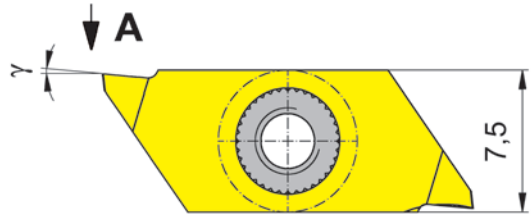
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

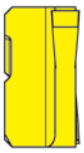
L

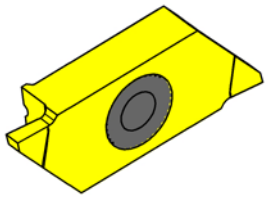
Plaquette amovible
Inserto

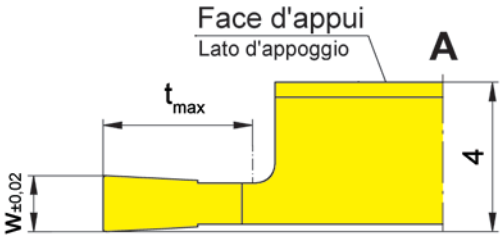
S274...E











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

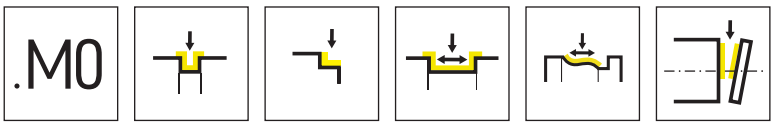
Numéro de commande Codice prodotto	w	t_{max}	γ	HIS	IG35	TH35
RS274.0050.01.20.E	0,5	1,5	5°	274140R	Δ	Δ
RS274.0070.02.20.E	0,7	2	5°	274140R	Δ	Δ
RS274.0080.03.20.E	0,8	3	5°	274140R	Δ	Δ
RS274.0100.03.20.E	1	3	5°	274140R	Δ	Δ
RS274.0120.03.20.E	1,2	3	5°	274140R	Δ	Δ
RS274.0150.06.20.E	1,5	6	5°	274140R	Δ	Δ
RS274.0200.04.20.E	2	4	5°	274140R	Δ	Δ
RS274.0200.06.20.E	2	6	5°	274140R	Δ	Δ
LS274.0050.01.20.E	0,5	1,5	5°	274140L	Δ	Δ
LS274.0070.02.20.E	0,7	2	5°	274140L	Δ	Δ
LS274.0080.03.20.E	0,8	3	5°	274140L	Δ	Δ
LS274.0100.03.20.E	1	3	5°	274140L	Δ	Δ
LS274.0120.03.20.E	1,2	3	5°	274140L	Δ	Δ
LS274.0150.06.20.E	1,5	6	5°	274140L	Δ	Δ
LS274.0200.04.20.E	2	4	5°	274140L	Δ	Δ
LS274.0200.06.20.E	2	6	5°	274140L	Δ	Δ

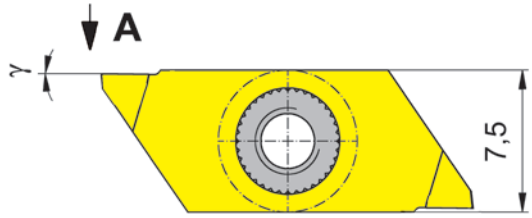
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

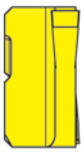
L

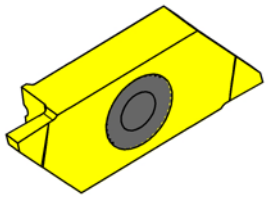
Plaquette amovible
Inserto

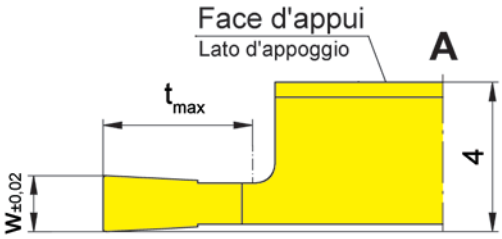
S274...E











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

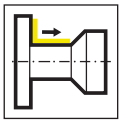
Numéro de commande Codice prodotto	w	t_{max}	γ	HIS	IG35	TH35
RS274.0050.01.M0.E	0,5	1,5	0°	274140R	Δ	Δ
RS274.0070.02.M0.E	0,7	2	0°	274140R	Δ	Δ
RS274.0080.03.M0.E	0,8	3	0°	274140R	Δ	Δ
RS274.0100.03.M0.E	1	3	0°	274140R	Δ	Δ
RS274.0120.03.M0.E	1,2	3	0°	274140R	Δ	Δ
RS274.0150.04.M0.E	1,5	4	0°	274140R	Δ	
RS274.0150.06.M0.E	1,5	6	0°	274140R	Δ	Δ
RS274.0200.04.M0.E	2	4	0°	274140R	Δ	Δ
RS274.0200.06.M0.E	2	6	0°	274140R	Δ	Δ
LS274.0050.01.M0.E	0,5	1,5	0°	274140L	Δ	Δ
LS274.0070.02.M0.E	0,7	2	0°	274140L	Δ	Δ
LS274.0080.03.M0.E	0,8	3	0°	274140L	Δ	Δ
LS274.0100.03.M0.E	1	3	0°	274140L	Δ	Δ
LS274.0120.03.M0.E	1,2	3	0°	274140L	Δ	Δ
LS274.0150.04.M0.E	1,5	4	0°	274140L	Δ	Δ
LS274.0150.06.M0.E	1,5	6	0°	274140L	Δ	
LS274.0200.04.M0.E	2	4	0°	274140L	Δ	Δ
LS274.0200.06.M0.E	2	6	0°	274140L	Δ	Δ

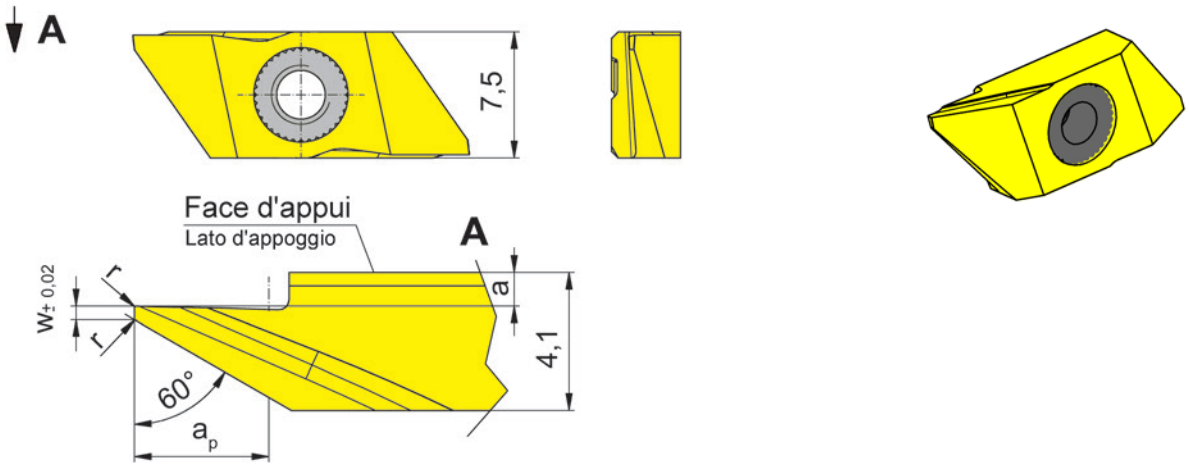
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

Plaquette amovible
Inserto

S274...E





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

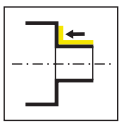
Numéro de commande Codice prodotto	w	r	a	γ	a_p	HIS	IG35	TH35
RS274.0060.04.10.E	-	0,05	1	15°	4	274140R	Δ	Δ
RS274.0460.04.10.E	0,4	0,05	1	15°	4	274140R	Δ	▲
RS274.0460.04.M0.E	0,4	0,05	1	0°	4	274140R	Δ	Δ
RS274.0560.06.11.E	0,5	0,1	0,05	15°	6	274140R	Δ	▲
LS274.0060.04.10.E	-	0,05	1	15°	4	274140L	Δ	Δ
LS274.0460.04.10.E	0,4	0,05	1	15°	4	274140L	Δ	Δ
LS274.0460.04.M0.E	0,4	0,05	1	0°	4	274140L	Δ	Δ
LS274.0560.06.11.E	0,5	0,1	0,05	15°	6	274140L	Δ	Δ

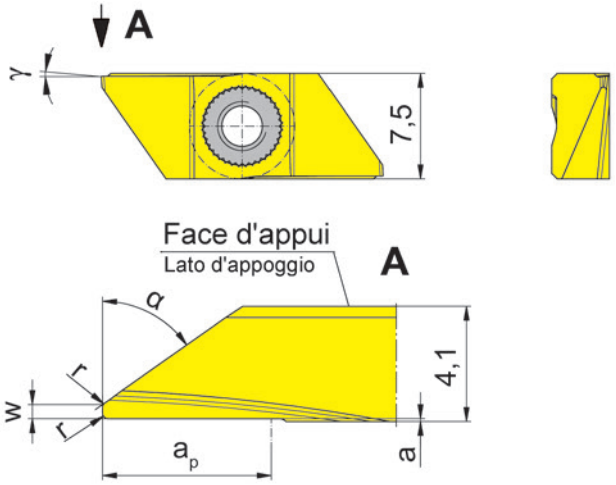
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

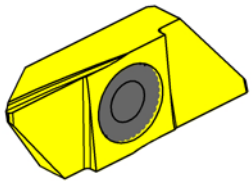
L

Plaquette amovible
Inserto

S274...E







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

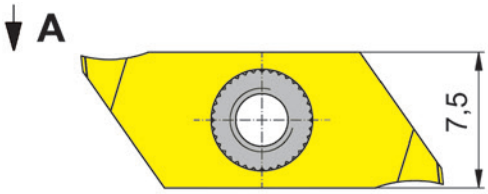
Numéro de commande Codice prodotto	w	r	a	γ	a_p	α	HIS		IG35	TH35
RS274.0035.04.20.E	-	0,05	0,1	5°	4	35°	274140R		Δ	Δ
RS274.0235.04.20.E	0,2	-	0,1	5°	4	35°	274140R		Δ	Δ
RS274.0535.06.20.E	0,5	0,2	0,1	5°	6	35°	274140R		Δ	Δ
RS274.0055.04.20.E	-	0,05	0,1	5°	4	55°	274140R		Δ	Δ
RS274.0255.04.20.E	0,2	-	0,1	5°	4	55°	274140R		Δ	Δ
RS274.0555.06.20.E	0,5	0,2	0,1	5°	6	55°	274140R		Δ	Δ
LS274.0035.04.20.E	-	0,05	0,1	5°	4	35°	274140L		Δ	Δ
LS274.0235.04.20.E	0,2	-	0,1	5°	4	35°	274140L		Δ	Δ
LS274.0535.06.20.E	0,5	0,2	0,1	5°	6	35°	274140L		Δ	Δ
LS274.0055.04.20.E	-	0,05	0,1	5°	4	55°	274140L		Δ	Δ
LS274.0255.04.20.E	0,2	-	0,1	5°	4	55°	274140L		Δ	Δ
LS274.0555.06.20.E	0,5	0,2	0,1	5°	6	55°	274140L		Δ	Δ
								P	-	●
								M	●	●
								K	-	●
								N	-	●
								S	●	●
								H	-	-

L

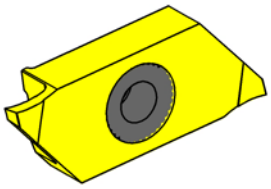
Plaquette amovible
Inserto

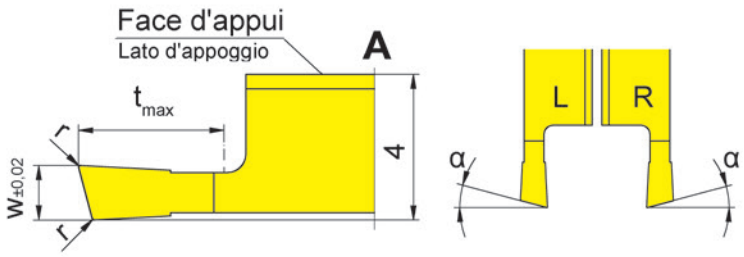
S274...E

.10









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10.E	0,8	0,05	3	15°	274140R	Δ	Δ
RS274.1510.03.10.E	1	0,05	3	15°	274140R	Δ	Δ
RS274.1515.04.10.E	1,5	0,05	4	15°	274140R	Δ	Δ
RS274.1520.06.10.E	2	0,05	6	15°	274140R	Δ	Δ
LS274.1508.03.10.E	0,8	0,05	3	15°	274140L	Δ	Δ
LS274.1510.03.10.E	1	0,05	3	15°	274140L	Δ	Δ
LS274.1515.04.10.E	1,5	0,05	4	15°	274140L	Δ	
LS274.1520.06.10.E	2	0,05	6	15°	274140L	Δ	Δ

tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

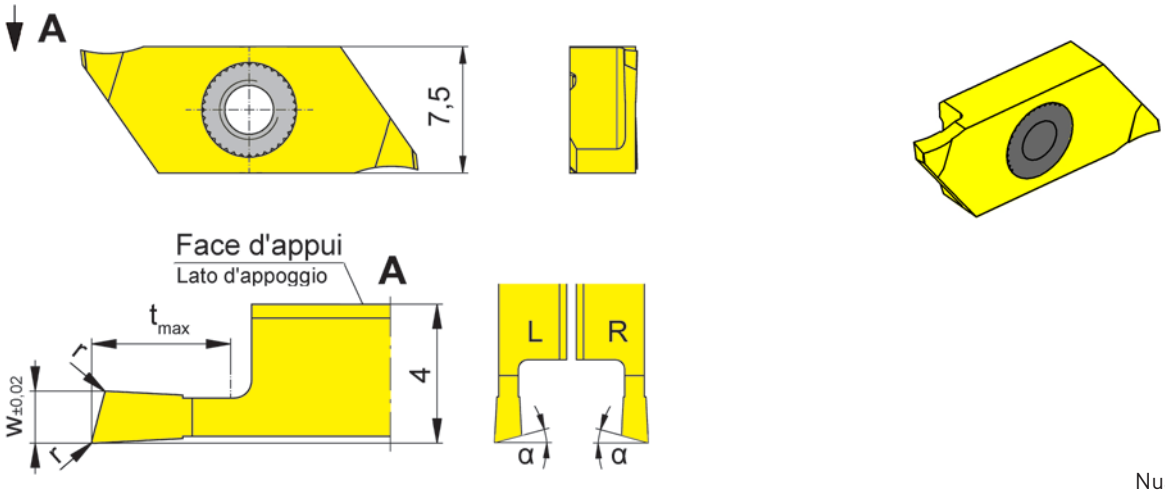
	IG35	TH35
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

L

Plaquette amovible
Inserto

S274...E

.10



R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.1L.E	0,8	0,05	3	15°	274140R	Δ	Δ
RS274.1510.03.1L.E	1	0,05	3	15°	274140R	Δ	Δ
RS274.1515.04.1L.E	1,5	0,05	4	15°	274140R	Δ	Δ
RS274.1520.06.1L.E	2	0,05	6	15°	274140R	Δ	Δ
LS274.1508.03.1R.E	0,8	0,05	3	15°	274140L	Δ	Δ
LS274.1510.03.1R.E	1	0,05	3	15°	274140L	Δ	Δ
LS274.1520.06.1R.E	2	0,05	6	15°	274140L	Δ	Δ

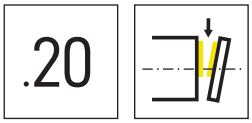
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

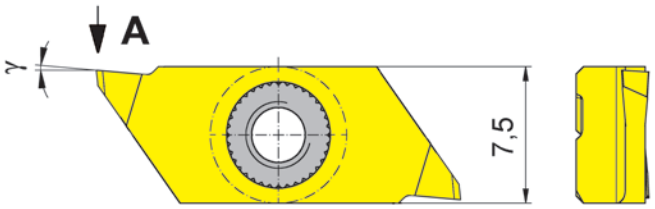
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

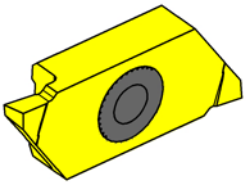
L

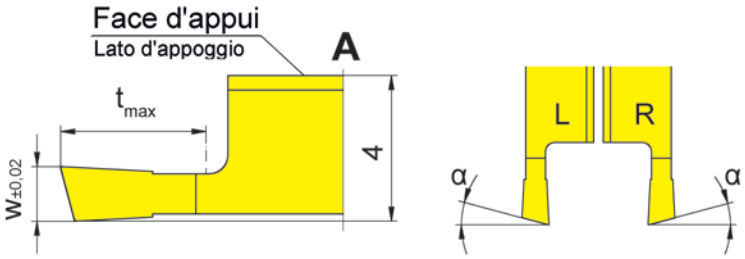
Plaquette amovible
Inserto

S274...E









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1515.04.20.E	1,5	4	15°	5°	274140R	Δ	Δ
RS274.1520.06.20.E	2	6	15°	5°	274140R	Δ	
LS274.1515.04.20.E	1,5	4	15°	5°	274140L	Δ	Δ
LS274.1520.06.20.E	2	6	15°	5°	274140L	Δ	Δ

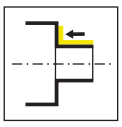
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

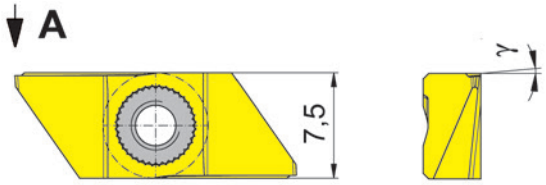
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

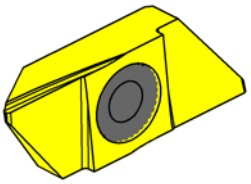
L

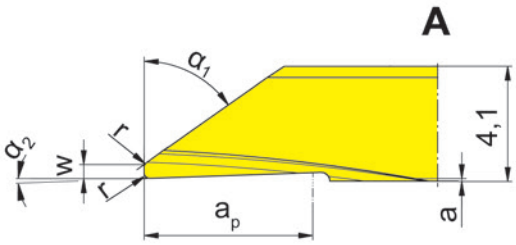
Plaquette amovible
Inserto

S274...E









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

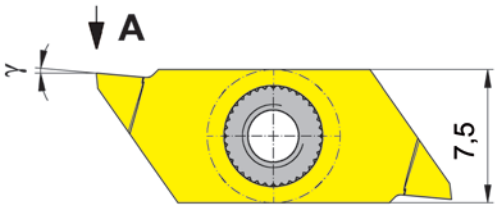
Numéro de commande Codice prodotto	w	r	α_1	a	γ	a_p	α_2	HIS		IG35	TH35
RS274.0035.24.20.E	-	0,05	35°	0,1	5°	4	2°	274040R		Δ	Δ
RS274.0055.24.20.E	-	0,05	55°	0,1	5°	4	2°	274040R		Δ	Δ
RS274.0235.24.20.E	0,2	-	35°	0,1	5°	4	2°	274040R		Δ	Δ
RS274.0255.24.20.E	0,2	-	55°	0,1	5°	4	2°	274040R		Δ	
RS274.0535.26.20.E	0,5	0,2	35°	0,1	5°	6	2°	274040R		Δ	Δ
RS274.0555.26.20.E	0,5	0,2	55°	0,1	5°	6	2°	274040R		Δ	Δ
LS274.0035.24.20.E	-	0,05	35°	0,1	5°	4	2°	274040L		Δ	Δ
LS274.0055.24.20.E	-	0,05	55°	0,1	5°	4	2°	274040L		Δ	Δ
LS274.0235.24.20.E	0,2	-	35°	0,1	5°	4	2°	274040L		Δ	Δ
LS274.0255.24.20.E	0,2	-	55°	0,1	5°	4	2°	274040L		Δ	Δ
LS274.0535.26.20.E	0,5	0,2	35°	0,1	5°	6	2°	274040L		Δ	Δ
LS274.0555.26.20.E	0,5	0,2	55°	0,1	5°	6	2°	274040L		Δ	Δ
									P	-	●
									M	●	●
									K	-	●
									N	-	●
									S	●	●
									H	-	-

L

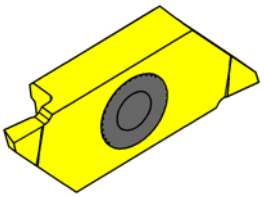
Plaquette amovible
Inserto

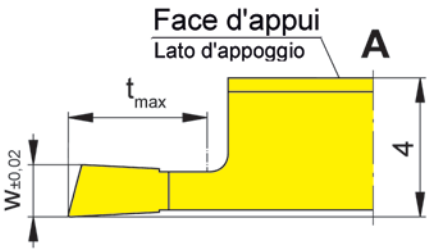
S274...E

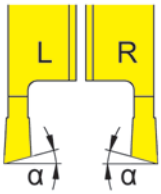
.20











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	Nuance Leghe IG35	Nuance Leghe TH35
RS274.1515.04.2L.E	1,5	4	15°	5°	274140R	Δ	Δ
RS274.1520.06.2L.E	2	6	15°	5°	274140R	Δ	Δ
LS274.1515.04.2R.E	1,5	4	15°	5°	274140L	Δ	Δ
LS274.1520.06.2R.E	2	6	15°	5°	274140L	Δ	Δ

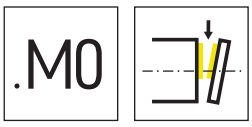
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

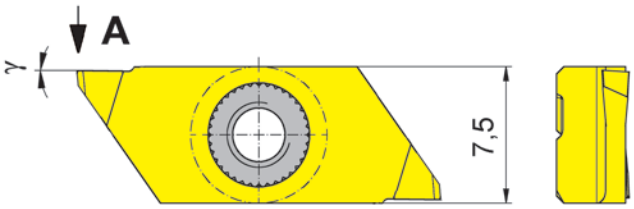
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

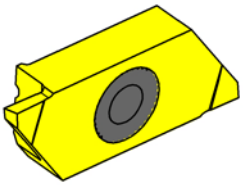
L

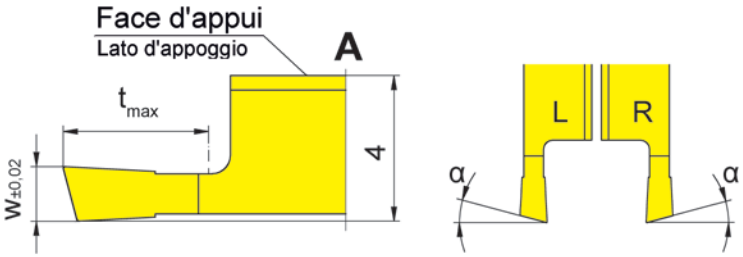
Plaquette amovible
Inserto

S274...E









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	Nuance Leghe IG35	Nuance Leghe TH35
RS274.1508.03.M0.E	0,8	3	15°	0°	274140R	Δ	Δ
RS274.1510.03.M0.E	1	3	15°	0°	274140R	Δ	Δ
RS274.1515.04.M0.E	1,5	4	15°	0°	274140R	Δ	Δ
RS274.1520.06.M0.E	2	6	15°	0°	274140R	Δ	Δ
LS274.1508.03.M0.E	0,8	3	15°	0°	274140L	Δ	Δ
LS274.1510.03.M0.E	1	3	15°	0°	274140L	Δ	Δ
LS274.1515.04.M0.E	1,5	4	15°	0°	274140L	Δ	Δ
LS274.1520.06.M0.E	2	6	15°	0°	274140L	Δ	Δ

tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

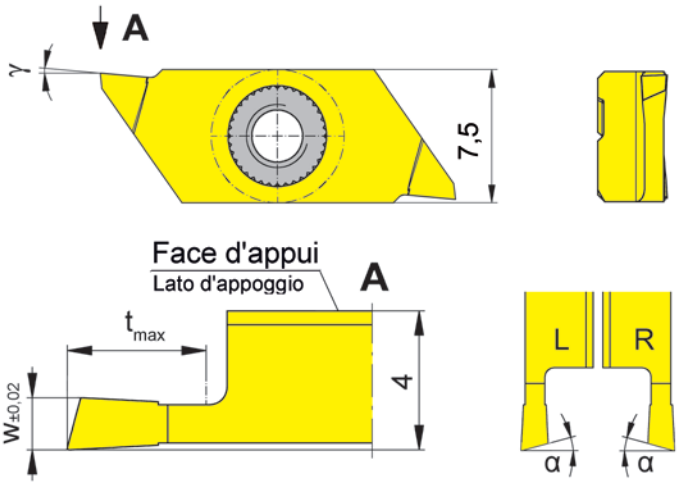
	IG35	TH35
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

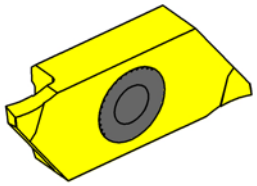
L

Plaquette amovible
Inserto

S274...E

.M0





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

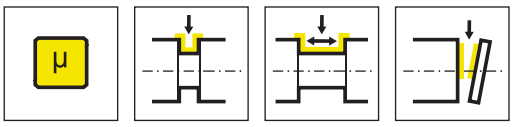
Δ 4 semaines
4 settimane

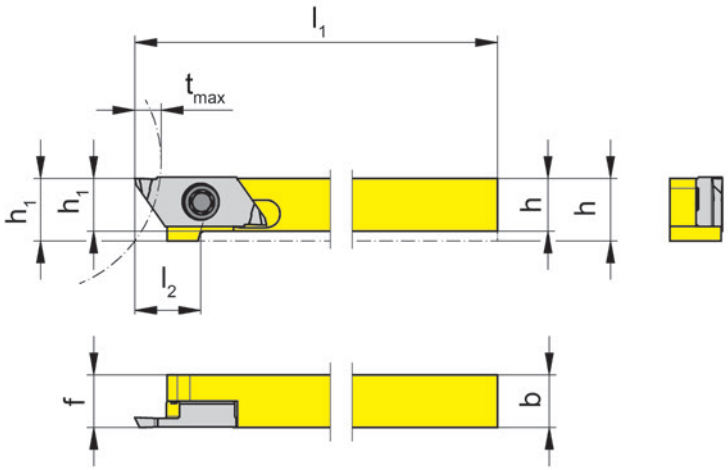
Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.ML.E	0,8	3	15°	0°	274140R	Δ	Δ
RS274.1510.03.ML.E	1	3	15°	0°	274140R	Δ	Δ
RS274.1515.04.ML.E	1,5	4	15°	0°	274140R	Δ	Δ
RS274.1520.06.ML.E	2	6	15°	0°	274140R	Δ	Δ
LS274.1508.03.MR.E	0,8	3	15°	0°	274140L	Δ	
LS274.1510.03.MR.E	1	3	15°	0°	274140L	Δ	Δ
LS274.1515.04.MR.E	1,5	4	15°	0°	274140L	Δ	Δ
LS274.1520.06.MR.E	2	6	15°	0°	274140L	Δ	Δ

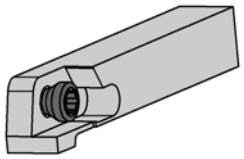
	IG35	TH35
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

L







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f	t_{max}	HWS
RH274.0808.SF.04	8	8	100	10	9,5	8	6	274040R
RH274.1010.SF.04	10	10	100	-	10	10	6	274040R
RH274.1212.SF.04	12	12	100	-	12	12	6	274040R

Pour porte-outil de dimension de carré de 8 x 8 mm avec décalage de la tête.
Il Quadro 8x8 presenta uno zona scaricata sul fronte.

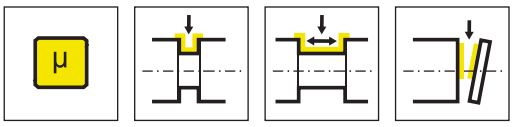
L

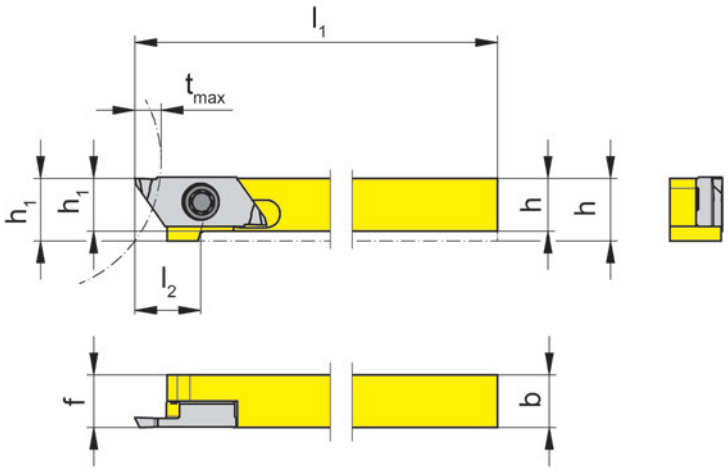
Pièces Détachées
Ricambi

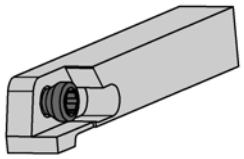
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RH274...	**030.350P.0852**	**T15PQ**

Porte outils
Portainserto

H274...SF







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f	t_{max}	HWS
RH274.0808.SF.S4	8	8	100	10	9,5	8	6	274040R
RH274.1010.SF.S4	10	10	100	-	10	10	6	274040R
RH274.1212.SF.S4	12	12	100	-	12	12	6	274040R

Matière du corps : alliage de tungstène (donne une bonne résistance aux vibrations)
Gambo in lega di tungsteno per conferire una buona resistenza alle vibrazioni

Pour porte-outil de dimension de carré de 8 x 8 mm avec décalage de la tête.
Il Quadro 8x8 presenta uno zona scaricata sul fronte.

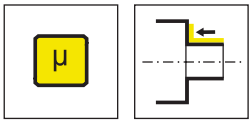
Pièces Détachées
Ricambi

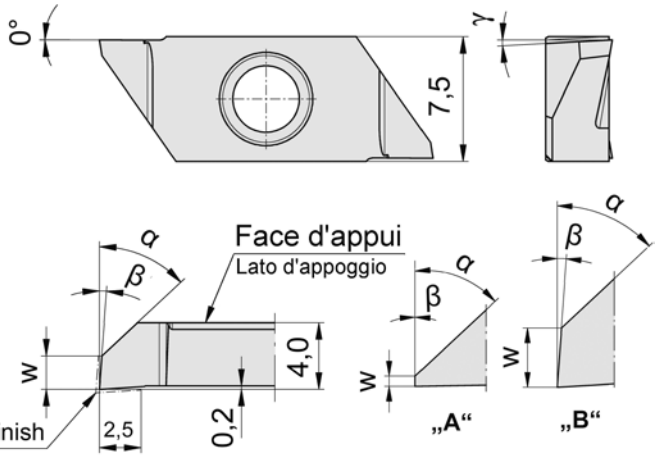
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RH274...	**030.350P.0852**	**T15PQ**

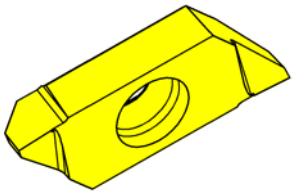
L

Plaquette amovible
Inserto

S274...SF







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

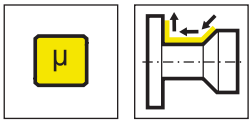
Numéro de commande Codice prodotto	w	γ	α	Forme Forma	ß	HIS	MG12	AC2P	ES15	ES1P
RS274.0547.04.SF	0,05	0°	47°	A	0°	274040R			▲	Δ
RS274.2047.03.SF	0,05	0°	47°	A	0°	274040R			▲	Δ
LS274.2047.03.SF	0,05	0°	47°	A	0°	274040L	Δ	Δ	Δ	Δ

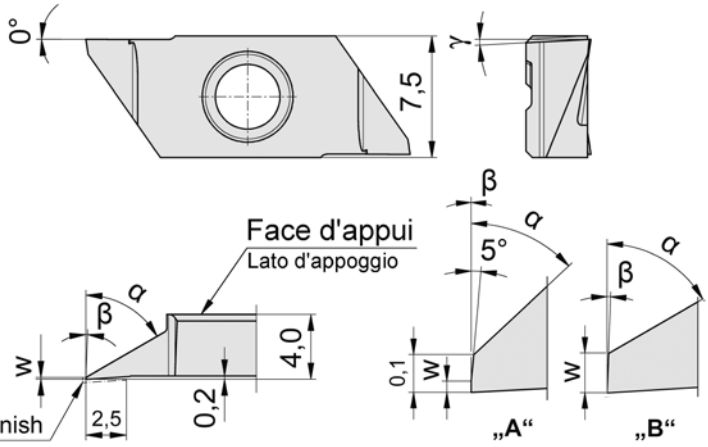
P	o	●	●	●
M	-	o	●	●
K	-	-	o	o
N	-	-	-	-
S	-	-	-	-
H	-	-	-	-

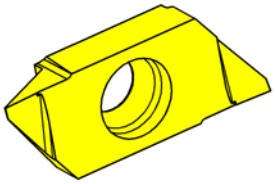
L

Plaquette amovible
Inserto

S274...SF







R = version à droite représentée
R = versione destra come in figura

Nuance
Leghe

▲ en stock
a stock

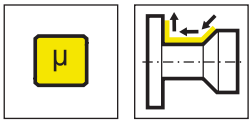
Δ 4 semaines
4 settimane

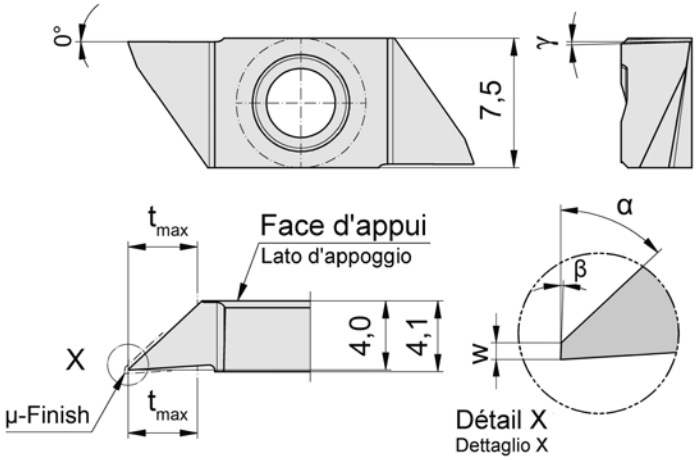
Numéro de commande Codice prodotto	w	γ	α	Forme Forma	ß	HIS		MG12	AC25	AC2P	ES15	ES1P
RS274.0147.04.SF	0,03	0°	47°	A	0°	274040R					▲	Δ
RS274.0160.03.SF	0,105	3°	60°	B	2°	274040R		Δ			▲	Δ
LS274.0160.03.SF	0,105	3°	60°	B	2°	274040L			Δ	Δ	Δ	Δ
							P	o	●	●	●	●
							M	-	o	o	●	●
							K	-	-	-	o	o
							N	-	-	-	-	-
							S	-	-	-	-	-
							H	-	-	-	-	-

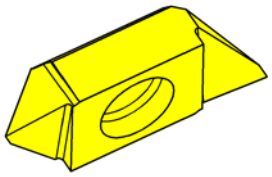
L

Plaquette amovible
Inserto

S274...SF







R = version à droite représentée
R = versione destra come in figura

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

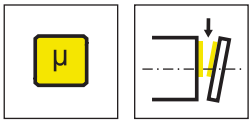
Numéro de commande Codice prodotto	w	t_{max}	γ	α	β	HIS
RS274.0247.04.SF	0,025	4	1,5°	47°	2°	274040R

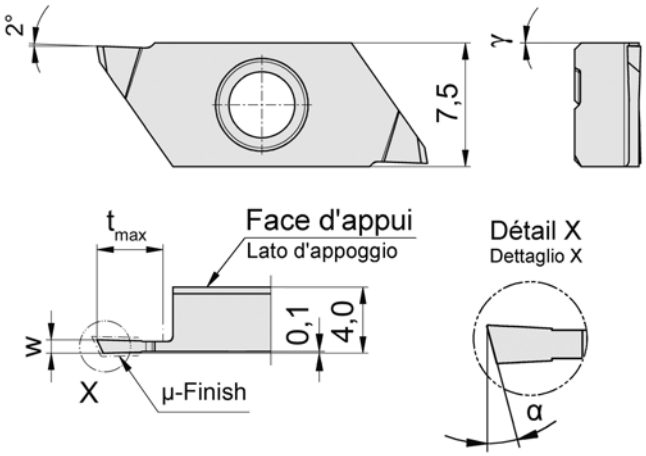
	ES15	ES1P
	▲	Δ
P	●	●
M	●	●
K	o	o
N	-	-
S	-	-
H	-	-

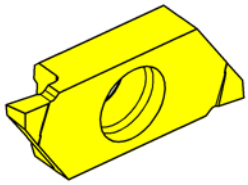
L

Plaquette amovible
Inserto

S274...SF







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

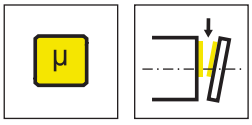
Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	Nuance Leghe ES15	ES1P
RS274.2508.04.SF	0,8	4	25°	0°	274040R	▲	Δ
RS274.2509.04.SF	0,9	4	25°	0°	274040R	Δ	Δ
RS274.2510.04.SF	1	4	25°	0°	274040R	▲	Δ
RS274.2510.06.SF	1	6	25°	0°	274040R	Δ	Δ
RS274.2512.06.SF	1,2	6	25°	0°	274040R	Δ	Δ
RS274.2515.06.SF	1,5	6	25°	0°	274040R	Δ	Δ
LS274.2508.04.SF	0,8	4	25°	0°	274040L	Δ	Δ
						P ●	●
						M ●	●
						K o	o
						N -	-
						S -	-
						H -	-

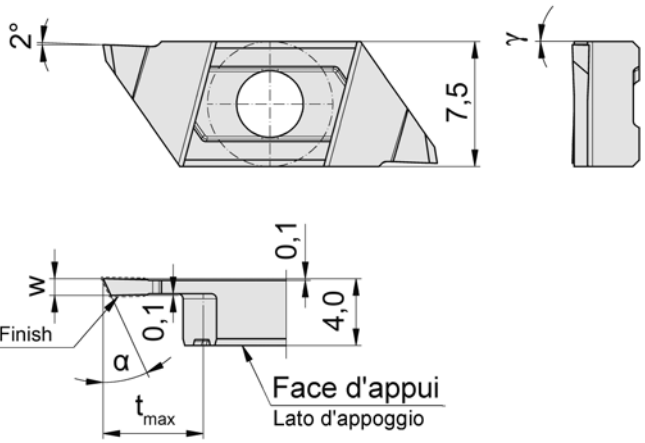
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

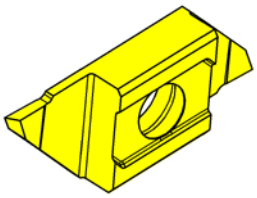
L

Plaquette amovible
Inserto

S274...SF







L = version à gauche représentée
L = versione sinistra come in figura

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

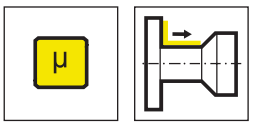
Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS		ES15	ES1P
LS274.2508.04.SF.R	0,8	4	25°	0°	274040L		Δ	Δ
LS274.2510.06.SF.R	1	6	25°	0°	274040L		Δ	Δ
LS274.2512.06.SF.R	1,2	6	25°	0°	274040L		Δ	Δ
LS274.2515.06.SF.R	1,5	6	25°	0°	274040L		▲	Δ
						P	●	●
						M	●	●
						K	o	o
						N	-	-
						S	-	-
						H	-	-

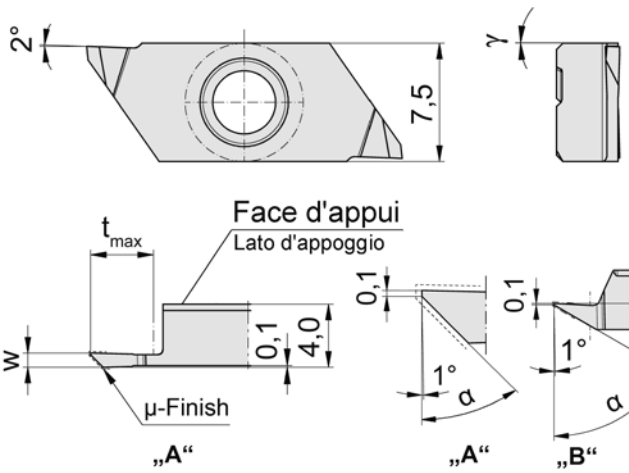
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

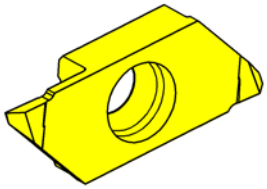
L

Plaquette amovible
Inserto

S274...SF







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	Forme Forma	HIS	ES15	ES1P
RS274.4508.04.SF	0,8	4	45°	0°	A	274040R	▲	Δ
RS274.4509.04.SF	0,9	4	45°	0°	A	274040R	▲	Δ
RS274.4510.06.SF	1	6	45°	0°	A	274040R	▲	Δ
RS274.4512.06.SF	1,2	6	45°	0°	A	274040R	▲	Δ
RS274.6015.02.SF	1,8	2,5	60°	0°	B	274040R	▲	Δ
RS274.7010.02.SF	1,2	2,5	70°	0°	B	274040R	Δ	Δ
LS274.4509.04.SF	0,9	4	45°	0°	A	274040L	Δ	Δ

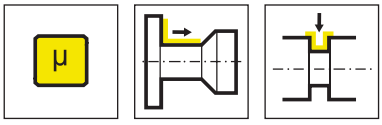
P	●	●
M	●	●
K	o	o
N	-	-
S	-	-
H	-	-

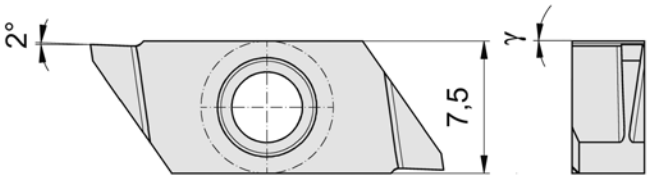
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

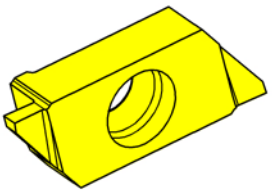
L

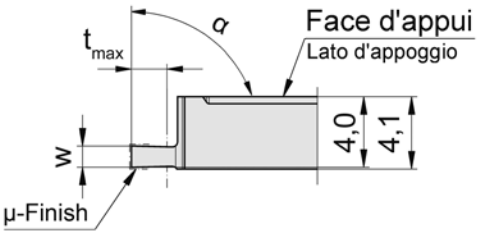
Plaquette amovible
Inserto

S274...SF









R = version à droite représentée
R = versione destra come in figura

Nuance
Leghe

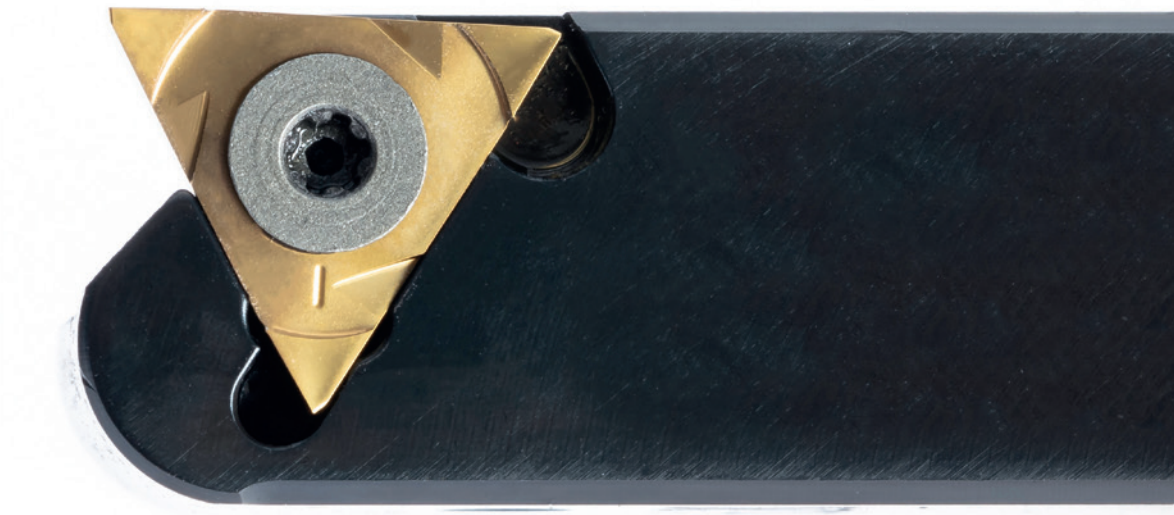
▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	γ	HIS		ES15	ES1P
RS274.0005.01.SF	0,5	1	0°	274040R		▲	Δ
RS274.0010.02.SF	1	2	0°	274040R		▲	Δ
RS274.0012.02.SF	1,2	2	0°	274040R		Δ	Δ
RS274.0015.03.SF	1,5	3	0°	274040R		Δ	Δ
RS274.0020.03.SF	2	3	0°	274040R		Δ	Δ
					P	●	●
					M	●	●
					K	o	o
					N	-	-
					S	-	-
					H	-	-

L

S32T

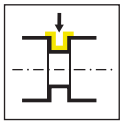


Porte outils et plaquettes Portainserto e inserti

Gorge et Tronçonnage
Gole e Troncatura

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 347

Porte outils
Portainserto
H32T

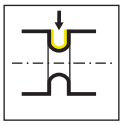


Page/Pag. 348

Plaquette amovible
Inserto
S32T



Page/Pag. 349-350



Page/Pag. 351

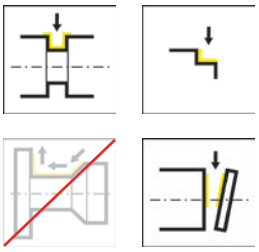
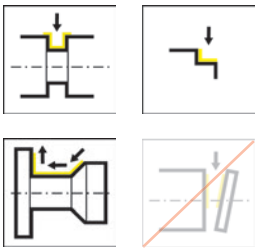


Page/Pag. 352



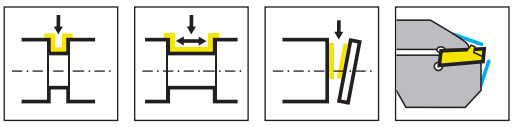
Page/Pag. 353

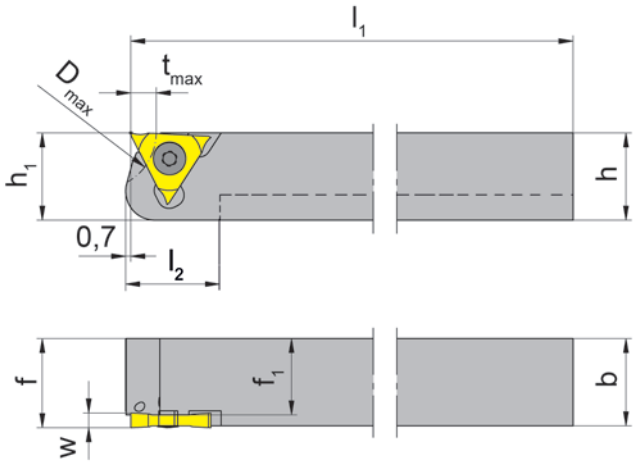
Géométries et avances
Geometrie e avanzamenti

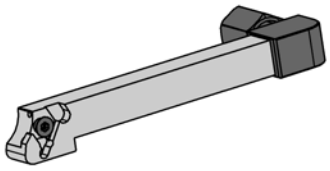
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.10	P M K N S H	0,05-0,15	
.P	P M K N S H	0,02-0,08 0,02-0,04	

Porte outils
Portainserto

H32T







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	D_{max}	t_{max}	HWS
RH32T.0808.6.10.IK	8	8	100	13	8	6,5	f_1+s_1	15,5	3,5	32T01N • 32T01R
RH32T.0808.6.20.IK	8	8	100	13	8	6	f_1+s_1	15,5	3,5	32T02N • 32T02R
RH32T.1010.6.10.IK	10	10	100	-	10	8,5	f_1+s_1	15,5	3,5	32T01N • 32T01R
RH32T.1010.6.20.IK	10	10	100	-	10	8	f_1+s_1	15,5	3,5	32T02N • 32T02R
RH32T.1212.6.10.IK	12	12	100	-	12	10,5	f_1+s_1	15,5	3,5	32T01N • 32T01R
RH32T.1212.6.20.IK	12	12	100	-	12	10	f_1+s_1	15,5	3,5	32T02N • 32T02R
RH32T.1616.6.10.IK	16	16	125	-	16	14,5	f_1+s_1	15,5	3,5	32T01N • 32T01R
RH32T.1616.6.20.IK	16	16	125	-	16	14	f_1+s_1	15,5	3,5	32T02N • 32T02R
LH32T.0808.6.10.IK	8	8	100	13	8	6,5	f_1+s_1	15,5	3,5	32T01N • 32T01L
LH32T.0808.6.20.IK	8	8	100	13	8	6	f_1+s_1	15,5	3,5	32T02N • 32T02L
LH32T.1010.6.10.IK	10	10	100	-	10	8,5	f_1+s_1	15,5	3,5	32T01N • 32T01L
LH32T.1010.6.20.IK	10	10	100	-	10	8	f_1+s_1	15,5	3,5	32T02N • 32T02L
LH32T.1212.6.10.IK	12	12	100	-	12	10,5	f_1+s_1	15,5	3,5	32T01N • 32T01L
LH32T.1212.6.20.IK	12	12	100	-	12	10	f_1+s_1	15,5	3,5	32T02N • 32T02L
LH32T.1616.6.10.IK	16	16	125	-	16	14,5	f_1+s_1	15,5	3,5	32T01N • 32T01L
LH32T.1616.6.20.IK	16	16	125	-	16	14	f_1+s_1	15,5	3,5	32T02N • 32T02L

w, s1 voir plaquettes amovibles
w, s1 vd. inserti

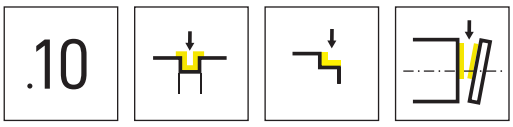
Pour porte-outil de dimension de carré de 8 x 8 mm avec décalage de la tête.
Il Quadro 8x8 presenta uno zona scaricata sul fronte.

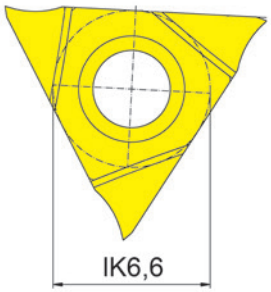
Pièces Détachées
Ricambi

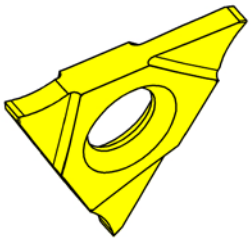
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Arrosage** Lubrificazione	**Vis** Vite
R/LH32T.0808.6...	**030.2507.T7P**	**T7PL**		
R/LH32T....	**030.2507.T7P**	**T7PL**	**004.00.22**	
R/LH32T.1616.6...	**030.2507.T7P**	**T7PL**	**004.00.16**	**18.908**

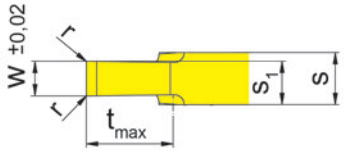
Plaquette amovible
Inserto

S32T









Nuance
Leghe

▲ en stock
a stock

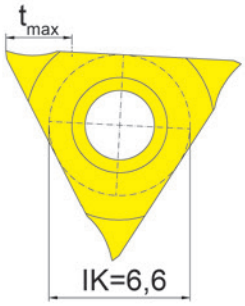
Δ 4 semaines
4 settimane

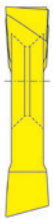
Numéro de commande Codice prodotto	w	r	s	s_1	t_{max}	HIS	EG35	EG55
S32T.0050.00	0,5	0,05	1,5	1	1,5	32T01N	▲	
S32T.0070.00	0,7	0,05	1,5	1,1	2	32T01N	▲	
S32T.0080.00	0,8	0,05	1,5	1,15	2,5	32T01N	▲	
S32T.0100.00	1	0,05	1,5	1,25	2,5	32T01N		▲
S32T.0120.00	1,2	0,05	1,5	1,35	2,5	32T01N		▲
S32T.0150.00	1,5	0,05	1,5	1,5	2,5	32T01N		▲
S32T.0200.00	2	0,05	1,5	1,75	3,5	32T01N		▲
S32T.0250.00	2,5	0,05	2	2,25	3,5	32T02N		▲
							P	●	●
							M	●	o
							K	o	o
							N	-	-
							S	-	-
							H	-	-

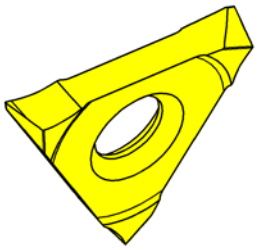
Plaquette amovible
Inserto

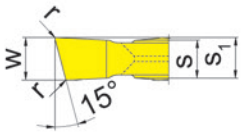
S32T

.10









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

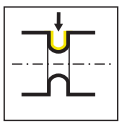
▲ en stock
a stock

Δ 4 semaines
4 settimane

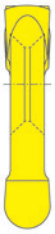
Numéro de commande Codice prodotto	w	r	s	s_1	t_{max}	HIS		EG55
RS32T.1520.10	2	0,05	1,5	1,75	3,5	32T01N		▲
LS32T.1520.10	2	0,05	1,5	1,75	3,5	32T01N		▲
							P	●
							M	o
							K	o
							N	-
							S	-
							H	-

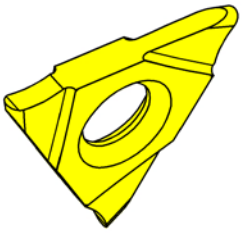
Plaquette amovible
Inserto

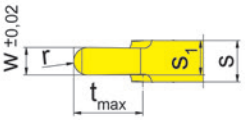
S32T











Nuance
Leghe

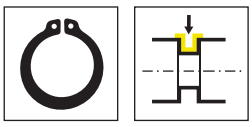
▲ en stock
a stock

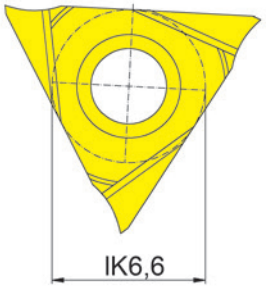
Δ 4 semaines
4 settimane

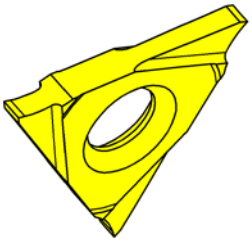
Numéro de commande Codice prodotto	w	r	s	s_1	t_{max}	HIS		EG35	EG55
S32T.0050.25	0,5	0,25	1,5	1	1,5	32T01N		▲	
S32T.0100.50	1	0,5	1,5	1,25	2,5	32T01N			▲
S32T.0200.10	2	1	1,5	1,75	3,5	32T01N			▲
							P	●	●
							M	●	o
							K	o	o
							N	-	-
							S	-	-
							H	-	-

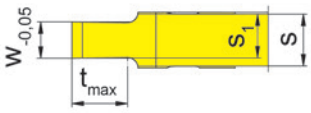
Plaquette amovible
Inserto

S32T









Nuance
Leghe

▲ en stock
a stock

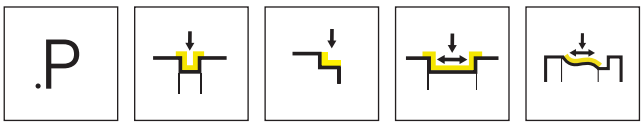
Δ 4 semaines
4 settimane

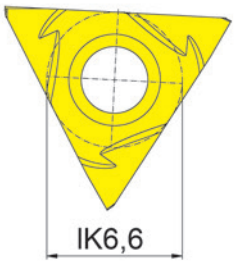
Numéro de commande Codice prodotto	w	Nw	s	s_1	t_{max}	HIS		EG35	EG55
S32T.0034.01.00	0,41	0,34	1,5	0,94	0,6	32T01N		Δ	
S32T.0044.01.00	0,51	0,44	1,5	0,99	0,7	32T01N		Δ	
S32T.0050.01.00	0,57	0,5	1,5	1,02	0,7	32T01N		▲	
S32T.0060.01.00	0,67	0,6	1,5	1,07	0,8	32T01N		▲	
S32T.0070.01.00	0,77	0,7	1,5	1,12	1,1	32T01N		▲	
S32T.0080.01.00	0,87	0,8	1,5	1,17	1,2	32T01N		▲	
S32T.0090.01.00	0,97	0,9	1,5	1,22	1,4	32T01N		▲	
S32T.0100.01.00	1,07	1	1,5	1,27	1,6	32T01N			▲
S32T.0110.01.00	1,24	1,1	1,5	1,36	1,6	32T01N			▲
S32T.0130.01.00	1,44	1,3	1,5	1,46	2	32T01N			▲
S32T.0160.01.00	1,74	1,6	1,5	1,61	3	32T01N			▲
S32T.0185.01.00	1,99	1,85	1,5	1,73	3	32T01N			▲
S32T.0215.01.00	2,29	2,15	2	2,13	3	32T02N			▲
							P	●	●
							M	●	o
							K	o	o
							N	-	-
							S	-	-
							H	-	-

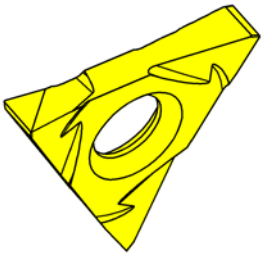
Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472

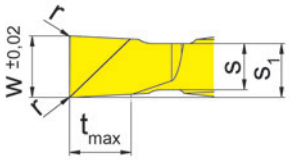
Plaquette amovible
Inserto

S32T









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	s	s_1	t_{max}	HIS	EG55
RS32T.0150.P0	1,5	0,05	1,5	1,7	2	32T01R	▲
RS32T.0200.P0	2	0,05	1,5	1,75	2	32T01R	▲
RS32T.0250.P0	2,5	0,1	2	2,25	2	32T02R	▲
LS32T.0150.P0	1,5	0,05	1,5	1,7	2	32T01L	▲
LS32T.0200.P0	2	0,05	1,5	1,75	2	32T01L	▲
LS32T.0250.P0	2,5	0,1	2	2,25	2	32T02L	▲

P	●
M	o
K	o
N	-
S	-
H	-



S34T



Porte outils et plaquettes

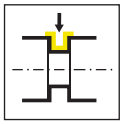
Largeur de gorge 2 - 5 mm

Portainserto e inserti

Larghezza della gola 2 - 5 mm

Gorge et Tronçonnage
Gole e Troncatura

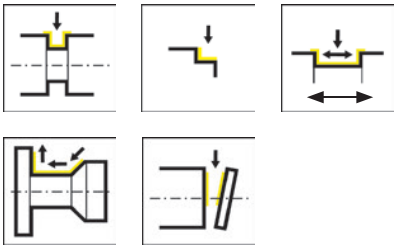
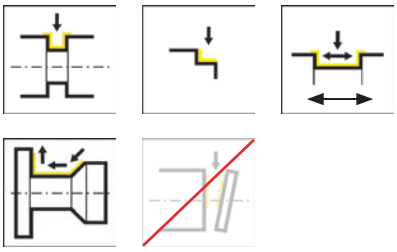
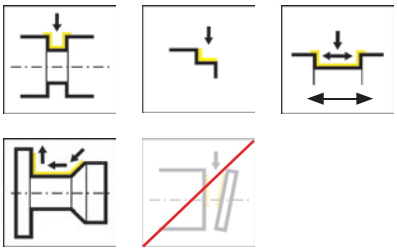
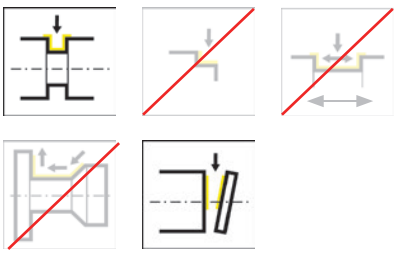
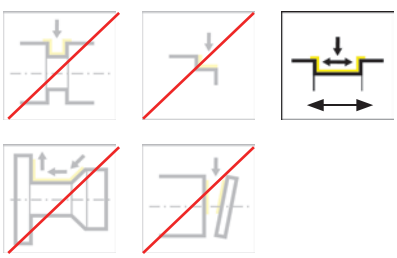
Géométries et avances
Geometrie e avanzamenti
Page/Pag. 357

Porte outils
Portainserto
H34T

Page/Pag. 358-360

Plaquette amovible
Inserto
S34T
.3
Page/Pag. 361
.5
Page/Pag. 362
.D
Page/Pag. 363
.S
Page/Pag. 364

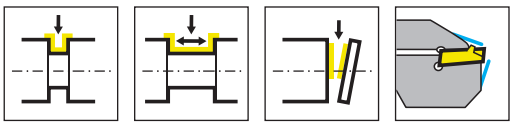
Plaquette de coupe
Inserto
S34T
.FB
Page/Pag. 365

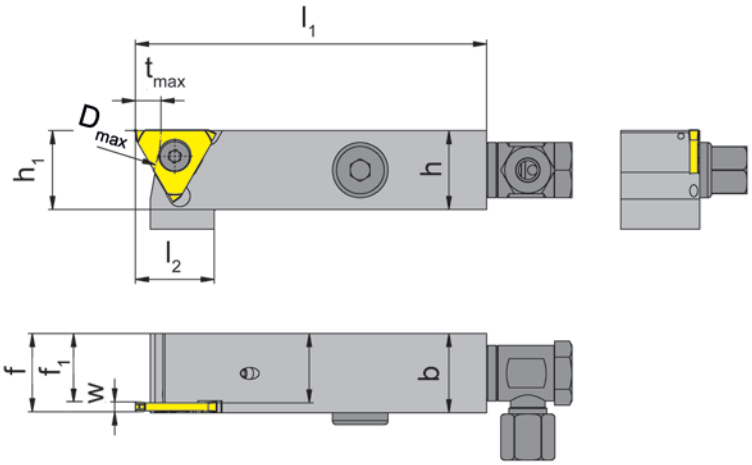
Géométries et avances
Geometrie e avanzamenti

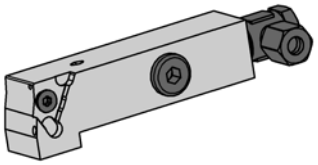
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.3	P M K N S H	0,15-0,25 0,15-0,40	
.5	P M K N S H	0,10-0,45 0,15-0,60	
.D	P M K N S H	0,03-0,15 0,05-0,20	
.S	P M K N S H	0,02-0,08	
.FB	P M K N S H	0,02-0,10 0,0015-0,07	

Porte outils
Portainserto

H34T







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	D_{max}	t_{max}	HWS
RH34T.1212.6.00.IK	12	12	74	20	21	11,2	f_1+w-a_1	60	6,5	34T00R
RH34T.1616.6.00.IK	16	16	74	20	21	15,2	f_1+w-a_1	60	6,5	34T00R
RH34T.2020.4.00.IK	20	20	89	20	20	19,1	f_1+w-a_1	60	6,5	34T00R
RH34T.2020.6.00.IK	20	20	89	20	25	19,2	f_1+w-a_1	60	6,5	34T00R
LH34T.1212.6.00.IK	12	12	74	20	21	11,2	f_1+w-a_1	60	6,5	34T00L
LH34T.1616.6.00.IK	16	16	74	20	21	15,2	f_1+w-a_1	60	6,5	34T00L
LH34T.2020.4.00.IK	20	20	89	20	20	19,1	f_1+w-a_1	60	6,5	34T00L
LH34T.2020.6.00.IK	20	20	89	20	25	19,2	f_1+w-a_1	60	6,5	34T00L

w, a1 voir plaquettes amovibles
w, a1 vd. inserti

Note:
...6.00.IK = Arrivée de liquide de refroidissement via un raccord vissé
...4.00.IK = Arrivée de liquide de refroidissement par trou oblong du VDI

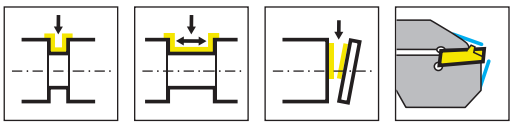
Nota:
...6.00.IK = Adduzione del refrigerante attraverso i raccordi
...4.00.IK = Adduzione del refrigerante attraverso asola inferiore

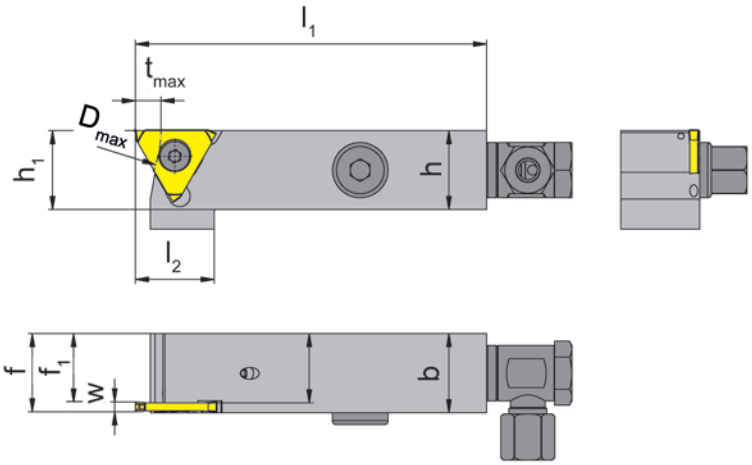
Pièces Détachées
Ricambi

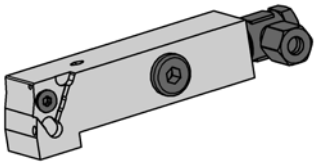
Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH34T.1212.6.00.IK	**004.00.22**	**030.4093.T15P**	**T15PQ**	
R/LH34T...	**004.00.16**	**030.4093.T15P**	**T15PQ**	**004.00.26**
R/LH34T.2020.4.00.IK		**030.4093.T15P**	**T15PQ**	

Porte outils
Portainserto

H34T







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	D_{max}	t_{max}	HWS
RH34T.1212.6.10.IK	12	12	74	20	21	10,5	f_1+w-a_1	60	6,5	34T01N
RH34T.1212.6.20.IK	12	12	74	20	21	11,76	f_1+w-a_1	60	6,5	34T02N
RH34T.1212.6.30.IK	12	12	74	19	21	12,26	f_1+w-a_1	60	6,5	34T03N
RH34T.1616.6.10.IK	16	16	74	20	21	14,5	f_1+w-a_1	60	6,5	34T01N
RH34T.1616.6.20.IK	16	16	74	20	21	13,5	f_1+w-a_1	60	6,5	34T02N
RH34T.1616.6.30.IK	16	16	74	19	21	12,5	f_1+w-a_1	60	6,5	34T03N
RH34T.1616.6.40.IK	16	16	74	19	21	11,5	f_1+w-a_1	60	6,5	34T04N
RH34T.2020.6.10.IK	20	20	89	20	25	18,5	f_1+w-a_1	60	6,5	34T01N
RH34T.2020.6.20.IK	20	20	89	20	25	17,5	f_1+w-a_1	60	6,5	34T02N
RH34T.2020.6.30.IK	20	20	89	19	25	16,5	f_1+w-a_1	60	6,5	34T03N
RH34T.2020.6.40.IK	20	20	89	19	25	15,5	f_1+w-a_1	60	6,5	34T04N
LH34T.1212.6.10.IK	12	12	74	20	21	10,5	f_1+w-a_1	60	6,5	34T01N
LH34T.1212.6.20.IK	12	12	74	20	21	11,76	f_1+w-a_1	60	6,5	34T02N
LH34T.1212.6.30.IK	12	12	74	19	21	12,26	f_1+w-a_1	60	6,5	34T03N
LH34T.1616.6.10.IK	16	16	74	20	21	14,5	f_1+w-a_1	60	6,5	34T01N
LH34T.1616.6.20.IK	16	16	74	20	21	13,5	f_1+w-a_1	60	6,5	34T02N
LH34T.1616.6.30.IK	16	16	74	19	21	12,5	f_1+w-a_1	60	6,5	34T03N
LH34T.1616.6.40.IK	16	16	74	19	21	11,5	f_1+w-a_1	60	6,5	34T04N
LH34T.2020.6.10.IK	20	20	89	20	25	18,5	f_1+w-a_1	60	6,5	34T01N
LH34T.2020.6.20.IK	20	20	89	20	25	17,5	f_1+w-a_1	60	6,5	34T02N
LH34T.2020.6.30.IK	20	20	89	19	25	16,5	f_1+w-a_1	60	6,5	34T03N
LH34T.2020.6.40.IK	20	20	89	19	25	15,5	f_1+w-a_1	60	6,5	34T04N

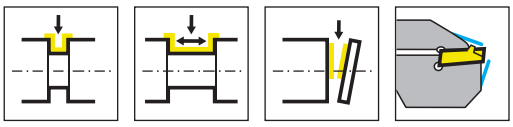
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

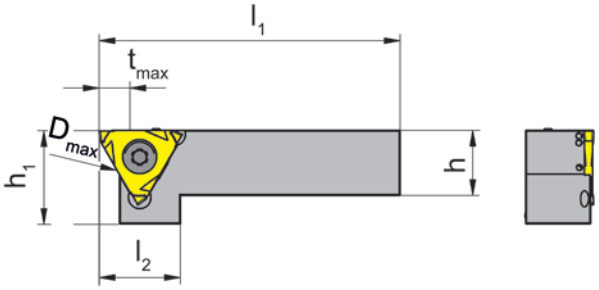
Pièces Détachées
Ricambi

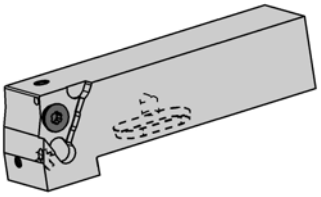
Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH34T.1212.6.10.IK	**004.00.22**	**030.4093.T15P**	**T15PQ**	
R/LH34T.1212.6.20.IK	**004.00.22**	**030.4010.T15P**	**T15PQ**	
R/LH34T.1212.6.30.IK	**004.00.22**	**030.5012.T15P**	**T15PQ**	
R/LH34T...10/...20.IK	**004.00.16**	**030.4093.T15P**	**T15PQ**	**004.00.26**
R/LH34T.1616.6.20.IK	**004.00.16**	**030.4010.T15P**	**T15PQ**	**004.00.26**
R/LH34T...30/...40.IK	**004.00.16**	**030.5012.T15P**	**T15PQ**	**004.00.26**

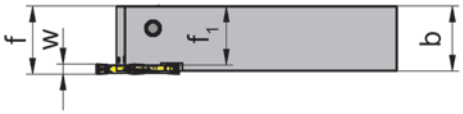
Porte outils
Portainserto

H34T









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	D_{max}	t_{max}	HWS
RH34T.1616.4.10.IK	16	16	74	20	21	14,5	f_1+w-a_1	60	6,5	34T01N
RH34T.1616.4.20.IK	16	16	74	20	21	13,5	f_1+w-a_1	60	6,5	34T02N
RH34T.2020.4.10.IK	20	20	89	20	25	18,5	f_1+w-a_1	60	6,5	34T01N
RH34T.2020.4.20.IK	20	20	89	20	25	17,5	f_1+w-a_1	60	6,5	34T02N
RH34T.2020.4.30.IK	20	20	89	21	25	16,5	f_1+w-a_1	60	6,5	34T03N
RH34T.2020.4.40.IK	20	20	89	21	25	15,5	f_1+w-a_1	60	6,5	34T04N
RH34T.2525.4.10.IK	25	25	99	20	30	23,5	f_1+w-a_1	60	6,5	34T01N
RH34T.2525.4.20.IK	25	25	99	20	30	22,5	f_1+w-a_1	60	6,5	34T02N
RH34T.2525.4.30.IK	25	25	99	21	30	21,5	f_1+w-a_1	60	6,5	34T03N
RH34T.2525.4.40.IK	25	25	99	21	30	20,5	f_1+w-a_1	60	6,5	34T04N
LH34T.1616.4.10.IK	16	16	74	20	21	14,5	f_1+w-a_1	60	6,5	34T01N
LH34T.1616.4.20.IK	16	16	74	20	21	13,5	f_1+w-a_1	60	6,5	34T02N
LH34T.2020.4.00.IK	20	20	89	20	20	19,1	f_1+w-a_1	60	6,5	34T00L
LH34T.2020.4.10.IK	20	20	89	20	25	18,5	f_1+w-a_1	60	6,5	34T01N
LH34T.2020.4.20.IK	20	20	89	20	25	17,5	f_1+w-a_1	60	6,5	34T02N
LH34T.2020.4.30.IK	20	20	89	21	25	16,5	f_1+w-a_1	60	6,5	34T03N
LH34T.2020.4.40.IK	20	20	89	21	25	15,5	f_1+w-a_1	60	6,5	34T04N
LH34T.2525.4.10.IK	25	25	99	20	30	23,5	f_1+w-a_1	60	6,5	34T01N
LH34T.2525.4.20.IK	25	25	99	20	30	22,5	f_1+w-a_1	60	6,5	34T02N
LH34T.2525.4.30.IK	25	25	99	21	30	21,5	f_1+w-a_1	60	6,5	34T03N
LH34T.2525.4.40.IK	25	25	99	21	30	20,5	f_1+w-a_1	60	6,5	34T04N

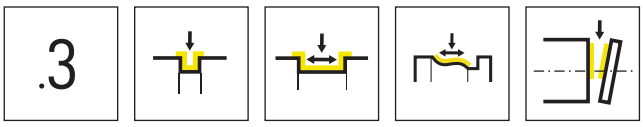
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

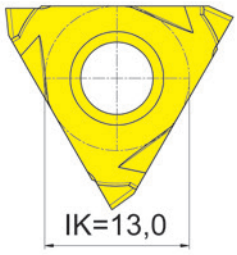
Pièces Détachées
Ricambi

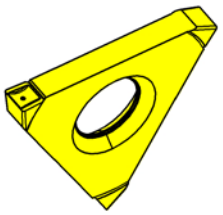
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH34T...	**030.4093.T15P**	**T15PQ**
R/LH34T...20.IK	**030.4010.T15P**	**T15PQ**
R/LH34T...30.IK	**030.5012.T15P**	**T15PQ**
R/LH34T...40.IK	**030.5012.T15P**	**T20PQ**

Plaquette amovible
Inserto

S34T







Nuance
Leghe

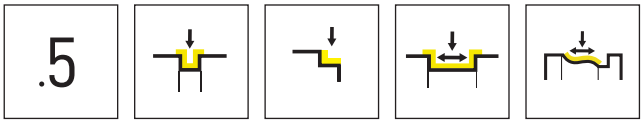
▲ en stock
a stock

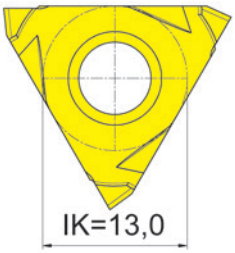
Δ 4 semaines
4 settimane

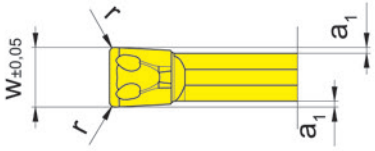
Numéro de commande Codice prodotto	w	r	a_1	HIS		AS45	EG55
S34T.0200.32	2	0,2	0,25	34T01N		▲	▲
S34T.0200.34	2	0,4	0,25	34T01N		▲	▲
S34T.0250.32	2,5	0,2	0,25	34T02N		Δ	▲
S34T.0250.34	2,5	0,4	0,25	34T02N		Δ	▲
S34T.0300.32	3	0,2	0,25	34T02N		Δ	▲
S34T.0300.34	3	0,4	0,25	34T02N		Δ	▲
S34T.0400.32	4	0,2	0,25	34T03N		▲	▲
S34T.0500.32	5	0,2	0,25	34T04N			▲
S34T.0500.34	5	0,4	0,25	34T04N			▲
					P	●	●
					M	●	o
					K	●	o
					N	o	-
					S	●	-
					H	-	-

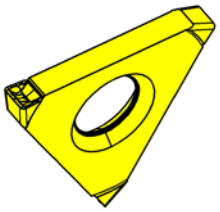
Plaquette amovible
Inserto

S34T









Nuance
Leghe

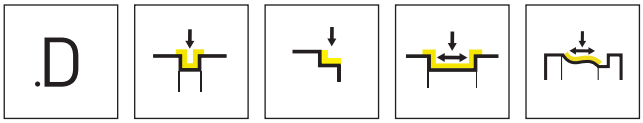
▲ en stock
a stock

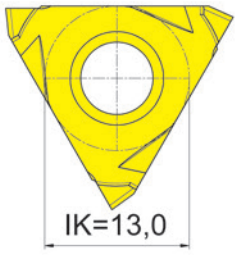
Δ 4 semaines
4 settimane

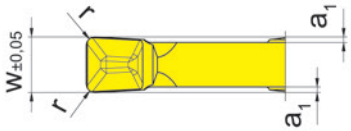
Numéro de commande Codice prodotto	w	r	a_1	HIS		AS45	EG55
S34T.0250.52	2,5	0,2	0,25	34T02N		▲	
S34T.0250.54	2,5	0,4	0,25	34T02N		▲	▲
S34T.0300.52	3	0,2	0,25	34T02N		Δ	▲
S34T.0300.54	3	0,4	0,25	34T02N		Δ	▲
S34T.0400.52	4	0,2	0,25	34T03N		▲	
S34T.0400.54	4	0,4	0,25	34T03N		▲	▲
S34T.0500.52	5	0,2	0,25	34T04N			▲
					P	●	●
					M	●	o
					K	●	o
					N	o	-
					S	●	-
					H	-	-

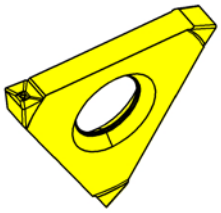
Plaquette amovible
Inserto

S34T









Nuance
Leghe

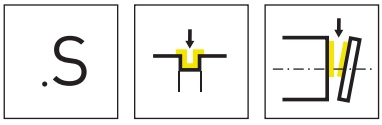
▲ en stock
a stock

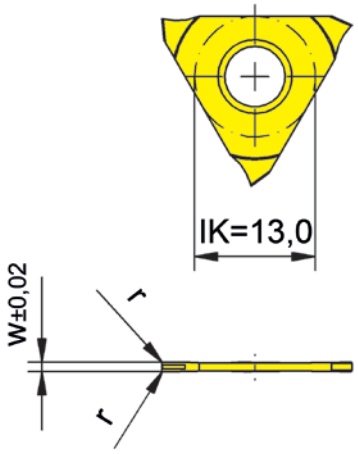
Δ 4 semaines
4 settimane

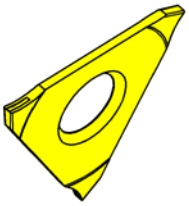
Numéro de commande Codice prodotto	w	r	a_1	HIS		AS45	EG55
S34T.0200.D2	2	0,2	0,25	34T01N		▲	▲
S34T.0200.D4	2	0,4	0,25	34T01N		Δ	Δ
S34T.0250.D2	2,5	0,2	0,25	34T02N		Δ	
S34T.0250.D4	2,5	0,4	0,25	34T02N		▲	▲
S34T.0300.D2	3	0,2	0,25	34T02N		Δ	▲
S34T.0300.D4	3	0,4	0,25	34T02N		Δ	
					P	●	●
					M	●	o
					K	●	o
					N	o	-
					S	●	-
					H	-	-

Plaquette amovible
Inserto

S34T







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

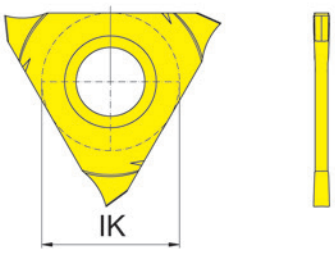
Numéro de commande Codice prodotto	w	r	HIS	IG35
RS34T.0100.3S	1,03	0,15	34T00R	▲
LS34T.0100.3S	1,03	0,15	34T00L	▲

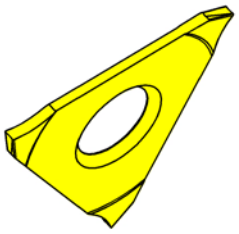
P	-
M	●
K	-
N	-
S	●
H	-

Plaquette de coupe
Inserto

S34T

.FB





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	w	r	HIS	EG35
RS34T.FB10.01	1	0,1	34T00R	▲
RS34T.FB15.01	1,5	0,1	34T00R	▲
LS34T.FB10.01	1	0,1	34T00L	▲
LS34T.FB15.01	1,5	0,1	34T00L	▲

P	●
M	●
K	o
N	-
S	-
H	-

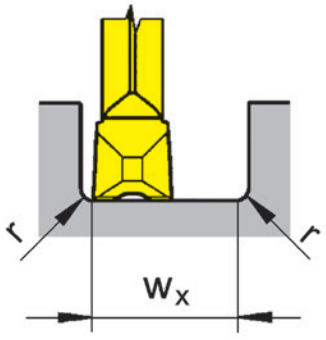
Calcul de la plus petite largeur de gorge possible w_x
Calcolo della larghezza di gola w_x più basso possibile

Exemple RS34T.FB10.01
Esempio

w_x = 2 x Largeur de gorge/Larghezza della gola w - 2 x Rayon d'angles plaque /Spigolo raggiato inserto r

w_x = 2 x 1 mm - 2 x 0,1 mm

w_x = 1,8 mm



Déroulement du processus
Percorso di lavoro



312



Porte outils et plaquettes

Largeur de gorge 0,5 - 6,3 mm

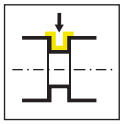
Portainserto e inserti

Larghezza della gola 0,5 - 6,3 mm

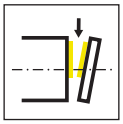
Géométries et avances
Geometrie e avanzamenti

Page/Pag. 369-370

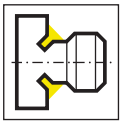
Porte outils
Portainserto
360/361/368/369
390/391/309/340



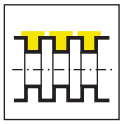
Page/Pag. 371-376, 379-380, 384-385



Page/Pag. 377-378

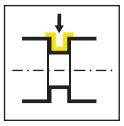


Page/Pag. 386



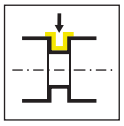
Page/Pag. 387-388

Cartouche Graf
Cartuccia Graf
64/65/99



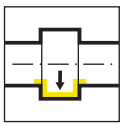
Page/Pag. 381-382

Supports réglables
Portainserto registrabile
N67/N68



Page/Pag. 383

Base de support
Attacco Base
330



Page/Pag. 389

Plaquette amovible
Inserto
S312/312



Page/Pag. 390



Page/Pag. 391



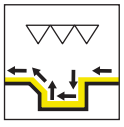
Page/Pag. 392



Page/Pag. 393, 410



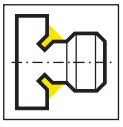
Page/Pag. 394-398



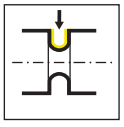
Page/Pag. 399



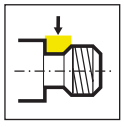
Page/Pag. 400



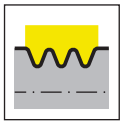
Page/Pag. 401-402



Page/Pag. 403



Page/Pag. 404-405



Page/Pag. 406

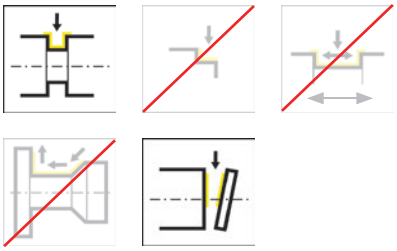
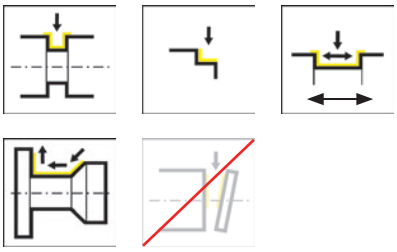
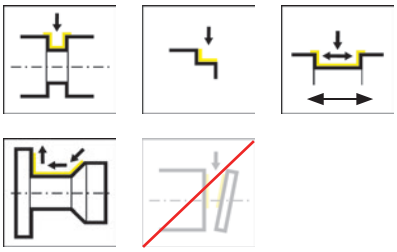
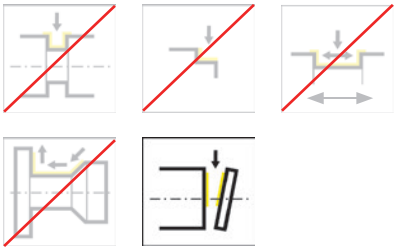
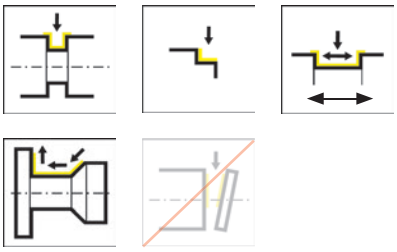


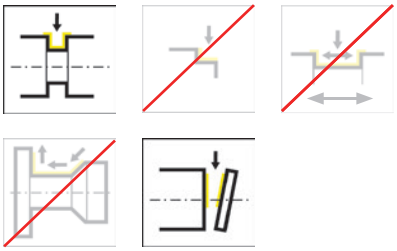
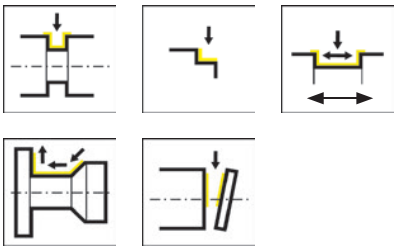
Page/Pag. 407-408

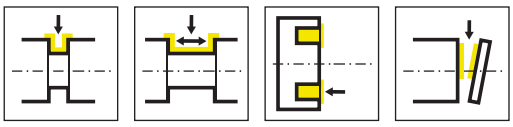


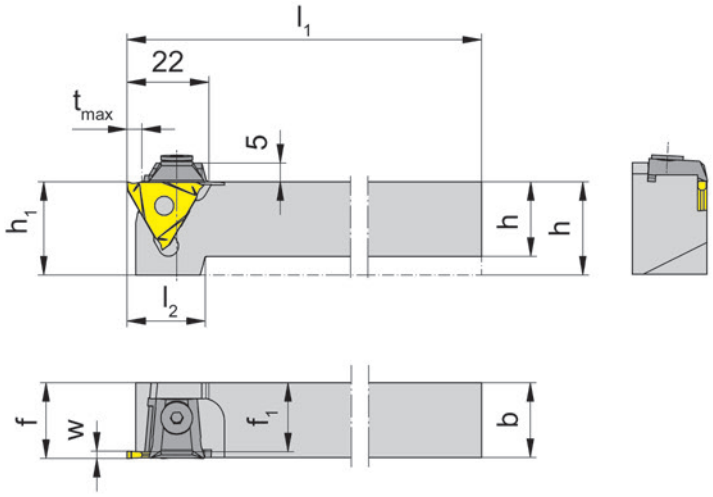
Page/Pag. 409

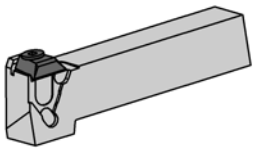
Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.F	P M K N S H	↓ 0,03-0,15	
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
.D	P M K N S H	↓ 0,03-0,15 ↔ 0,05-0,20	
.C	P M K N S H	↓ 0,02-0,10	
.P	P M K N S H	↓ 0,02-0,08 ↔ 0,02-0,04	

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.00	P M K N S H	↓ 0,02-0,12	
.M0	P M K N S H	↓ 0,02-0,10 ↔ 0,02-0,15	







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

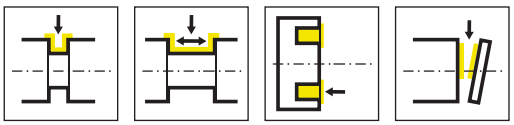
N° de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	Plage de serrage Campo di serraggio	HWS
R360.1212.01	12	12	100	24	25	10,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1212.02	12	12	100	24	25	9,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
R360.1616.01	16	16	125	22	25	14,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1616.02	16	16	125	22	25	13,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
R360.2020.01	20	20	125	21	25	18,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.02	20	20	125	21	25	17,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
R360.2525.01	25	25	150	-	25	23,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2525.02	25	25	150	-	25	22,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
R360.3232.01	32	32	170	-	32	30,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.3232.02	32	32	170	-	32	29,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
L360.1212.01	12	12	100	24	25	10,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1212.02	12	12	100	24	25	9,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
L360.1616.01	16	16	125	22	25	14,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1616.02	16	16	125	22	25	13,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
L360.2020.01	20	20	125	21	25	18,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.02	20	20	125	21	25	17,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
L360.2525.01	25	25	150	-	25	23,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2525.02	25	25	150	-	25	22,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
L360.3232.01	32	32	170	-	32	30,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.3232.02	32	32	170	-	32	29,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L

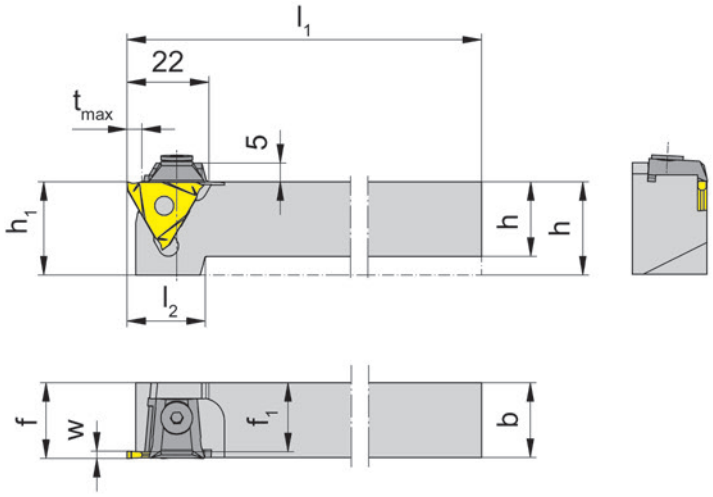
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

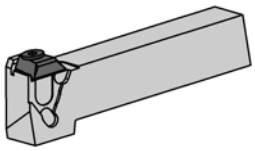
tmax ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 40 mm
tmax può essere raggiunta solo lavorando pezzi Ø ⩽ 40 mm

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L360.1...	**11.3**
R/L360...	**16.4**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

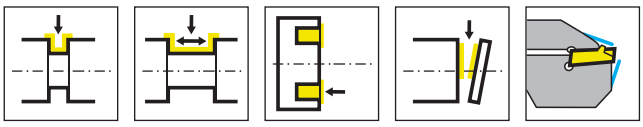
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	Plage de serrage Campo di serraggio	HWS
R360.1212.03	12	12	100	24	25	8,5	f_1+w-a_1	6	2,9-3,9	31203N • 31203R • 31203L
R360.1616.04	16	16	125	22	25	10,8	f_1+w-a_1	6	3,9-6,3	31204N • 31204R • 31204L
R360.1616.03	16	16	125	22	25	12,5	f_1+w-a_1	6	2,9-3,9	31203N • 31203R • 31203L
R360.2020.04	20	20	125	21	25	14,8	f_1+w-a_1	6	3,9-6,3	31204N • 31204R • 31204L
R360.2020.03	20	20	125	21	25	16,5	f_1+w-a_1	6	2,9-3,9	31203N • 31203R • 31203L
R360.2525.04	25	25	150	-	25	19,8	f_1+w-a_1	6	3,9-6,3	31204N • 31204R • 31204L
R360.2525.03	25	25	150	-	25	21,5	f_1+w-a_1	6	2,9-3,9	31203N • 31203R • 31203L
R360.3232.04	32	32	170	-	32	26,8	f_1+w-a_1	6	3,9-6,3	31204N • 31204R • 31204L
R360.3232.03	32	32	170	-	32	28,5	f_1+w-a_1	6	2,9-3,9	31203N • 31203R • 31203L
L360.1212.03	12	12	100	24	25	8,5	f_1+w-a_1	6	2,9-3,9	31203N • 31203R • 31203L
L360.1616.04	16	16	125	22	25	10,8	f_1+w-a_1	6	3,9-6,3	31204N • 31204R • 31204L
L360.1616.03	16	16	125	22	25	12,5	f_1+w-a_1	6	2,9-3,9	31203N • 31203R • 31203L
L360.2020.04	20	20	125	21	25	14,8	f_1+w-a_1	6	3,9-6,3	31204N • 31204R • 31204L
L360.2020.03	20	20	125	21	25	16,5	f_1+w-a_1	6	2,9-3,9	31203N • 31203R • 31203L
L360.2525.04	25	25	150	-	25	19,8	f_1+w-a_1	6	3,9-6,3	31204N • 31204R • 31204L
L360.2525.03	25	25	150	-	25	21,5	f_1+w-a_1	6	2,9-3,9	31203N • 31203R • 31203L
L360.3232.04	32	32	170	-	32	26,8	f_1+w-a_1	6	3,9-6,3	31204N • 31204R • 31204L
L360.3232.03	32	32	170	-	32	28,5	f_1+w-a_1	6	2,9-3,9	31203N • 31203R • 31203L

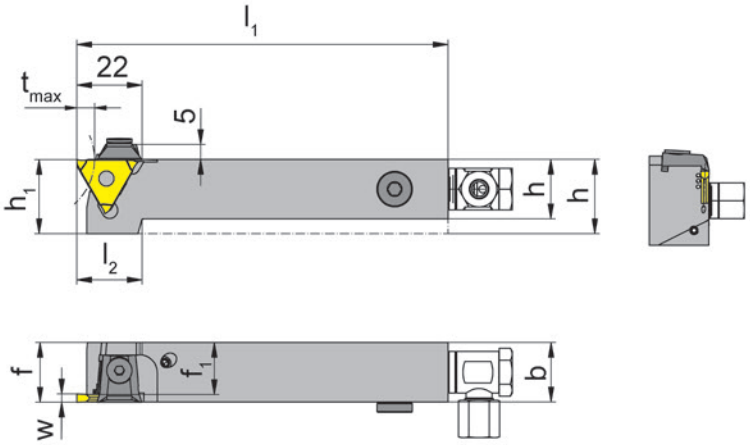
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

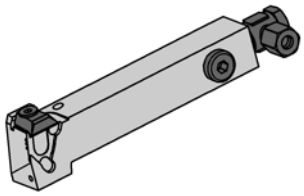
tmax ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 40 mm
tmax può essere raggiunta solo lavorando pezzi Ø ⩽ 40 mm

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L360....	**11.3**
R/L360.1616.04	**13.4**
R/L360...	**16.4**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

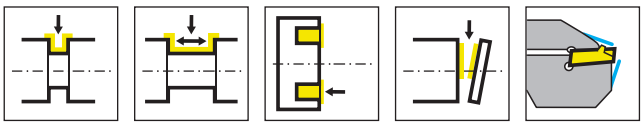
Num. de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	Plage de serrage Campo di serraggio	HWS
R360.1212.01.IK	12	12	100	24	25	10,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1616.01.IK	16	16	125	22	25	14,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.01.IK	20	20	125	21	25	18,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2525.01.IK	25	25	150	-	25	23,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.1212.02.IK	12	12	100	24	25	9,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
R360.1616.02.IK	16	16	125	22	25	13,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
R360.2020.02.IK	20	20	125	21	25	17,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
R360.2525.02.IK	25	25	150	-	25	22,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
L360.1212.01.IK	12	12	100	24	25	10,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1616.01.IK	16	16	125	22	25	14,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.01.IK	20	20	125	21	25	18,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2525.01.IK	25	25	150	-	25	23,5	f_1+w-a_1	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.1212.02.IK	12	12	100	24	25	9,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
L360.1616.02.IK	16	16	125	22	25	13,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
L360.2020.02.IK	20	20	125	21	25	17,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L
L360.2525.02.IK	25	25	150	-	25	22,5	f_1+w-a_1	6	1,9-2,9	31202N • 31202R • 31202L

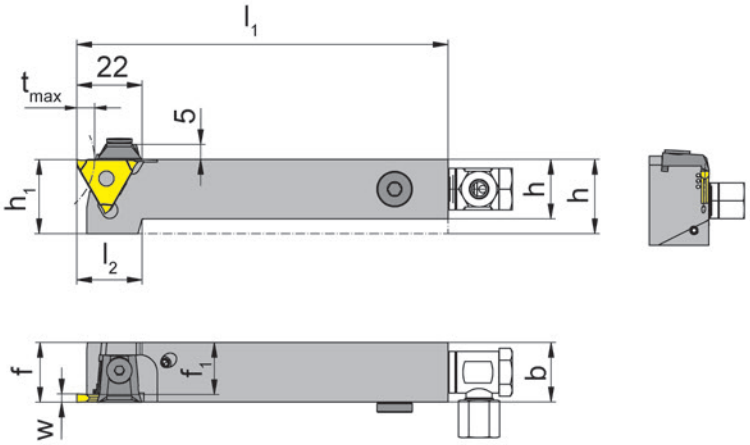
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

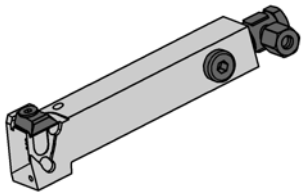
tmax ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 40 mm
tmax può essere raggiunta solo lavorando pezzi Ø ⩽ 40 mm

Pièces Détachées
Ricambi

Porte outils Portainserto	**Arrosage** Lubrificazione	**Bride** Staffa	**Vis** Vite
R/L360.1212....	**004.00.22**	**11.3**	
R/L360.1616....	**004.00.16**	**11.3**	**004.00.26**
R/L360....	**004.00.16**	**16.4**	**18.908**
R/L360.2525.01.IK	**004.00.16**	**16.4**	**004.00.26**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

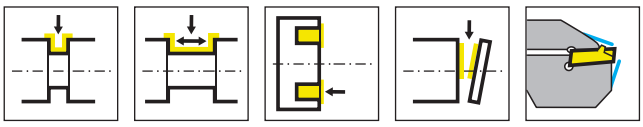
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R360.1212.03.IK	12	12	100	24	25	8,5	f_1+w-a_1	6	31203N • 31203R • 31203L
R360.1616.03.IK	16	16	125	22	25	12,5	f_1+w-a_1	6	31203N • 31203R • 31203L
R360.2020.03.IK	20	20	125	21	25	16,5	f_1+w-a_1	6	31203N • 31203R • 31203L
R360.1616.04.IK	16	16	125	21	25	10,8	f_1+w-a_1	6	31204N • 31204R • 31204L
R360.2020.04.IK	20	20	125	22	25	14,8	f_1+w-a_1	6	31204N • 31204R • 31204L
R360.2525.04.IK	25	25	150	-	25	19,8	f_1+w-a_1	6	31204N • 31204R • 31204L
L360.1212.03.IK	12	12	100	24	25	8,5	f_1+w-a_1	6	31203N • 31203R • 31203L
L360.1616.03.IK	16	16	125	22	25	12,5	f_1+w-a_1	6	31203N • 31203R • 31203L
L360.2020.03.IK	20	20	125	21	25	16,5	f_1+w-a_1	6	31203N • 31203R • 31203L
L360.2525.03.IK	25	25	150	-	25	21,5	f_1+w-a_1	6	31203N • 31203R • 31203L
L360.1616.04.IK	16	16	125	21	25	10,8	f_1+w-a_1	6	31204N • 31204R • 31204L
L360.2020.04.IK	20	20	125	22	25	14,8	f_1+w-a_1	6	31204N • 31204R • 31204L
L360.2525.04.IK	25	25	150	-	25	19,8	f_1+w-a_1	6	31204N • 31204R • 31204L

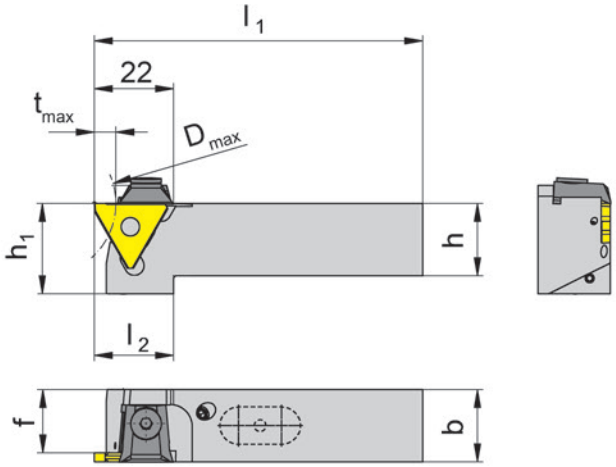
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

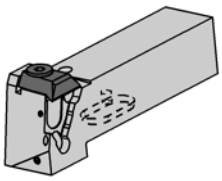
tmax ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 40 mm
tmax può essere raggiunta solo lavorando pezzi Ø ⩽ 40 mm

Pièces Détachées
Ricambi

Porte outils Portainserto	**Arrosage** Lubrificazione	**Bride** Staffa	**Vis** Vite
R/L360.1212.03.IK	**004.00.22**	**11.3**	
R/L360.1616.03.IK	**004.00.16**	**11.3**	**004.00.26**
R/L360.2020.03.IK	**004.00.16**	**16.4**	**18.908**
L360.2525.03.IK	**004.00.16**	**16.4**	**18.908**
R/L360.1616.04.IK	**004.00.16**	**13.4**	**004.00.26**
R/L360.2020.04.IK	**004.00.16**	**16.4**	
R/L360.2525.04.IK	**004.00.16**	**16.4**	**004.00.26**







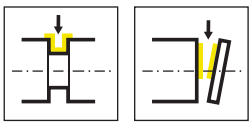
R = version à droite représentée
R = versione destra come in figura

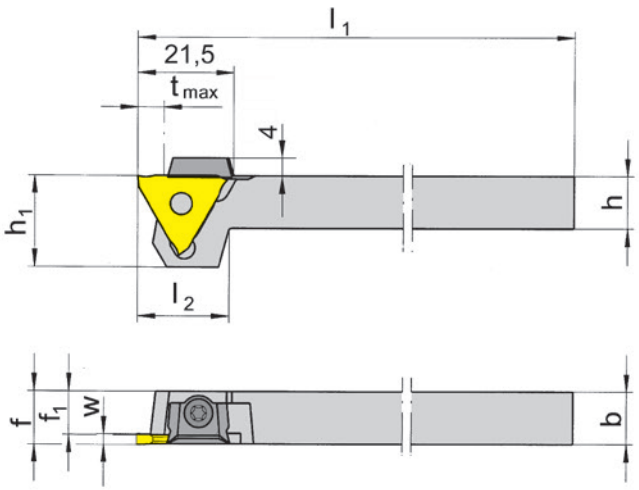
L = version à gauche
L = versione sinistra a specchio

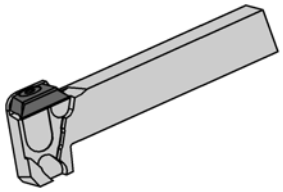
Num. de commande Codice prodotto	h	b	l_1	l_2	h_1	f	D_{max}	t_{max}	Plage de serrage Campo di serraggio	HWS
R360.2020.5.01.IK	20	20	91	22	25	18,5	40	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.5.02.IK	20	20	91	22	25	17,5	40	6	1,9-2,9	31202N • 31202R • 31202L
R360.2020.5.03.IK	20	20	91	22	25	16,5	40	6	2,9-3,9	31203N • 31203R • 31203L
R360.2020.5.04.IK	20	20	91	22	25	14,8	40	6	3,9-6,3	31204N • 31204R • 31204L
L360.2020.5.01.IK	20	20	91	22	25	18,5	40	4	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.5.02.IK	20	20	91	22	25	17,5	40	6	1,9-2,9	31202N • 31202R • 31202L
L360.2020.5.03.IK	20	20	91	22	25	16,5	40	6	2,9-3,9	31203N • 31203R • 31203L
L360.2020.5.04.IK	20	20	91	22	25	14,8	40	6	3,9-6,3	31204N • 31204R • 31204L

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L360...	**16.4**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

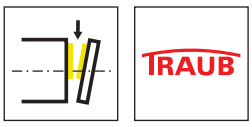
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R361.1212.01	12	12	100	17	19	10,5	f_1+w-a_1	4	31201N • 31201R • 31201L • 31208N • 31211N
R361.1212.02	12	12	100	17	19	9,5	f_1+w-a_1	6	31202N • 31202R • 31202L
R361.1212.03	12	12	100	21	21	8,5	f_1+w-a_1	6	31203N • 31203R • 31203L
L361.1212.01	12	12	100	17	19	10,5	f_1+w-a_1	4	31201N • 31201R • 31201L • 31208N • 31211N
L361.1212.02	12	12	100	17	19	9,5	f_1+w-a_1	6	31202N • 31202R • 31202L
L361.1212.03	12	12	100	21	21	8,5	f_1+w-a_1	6	31203N • 31203R • 31203L

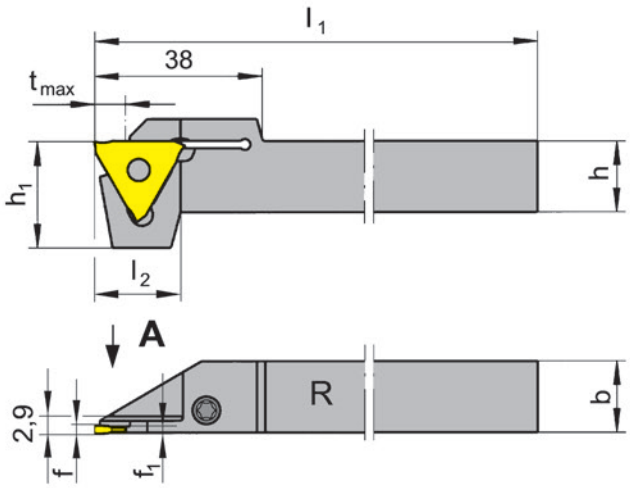
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

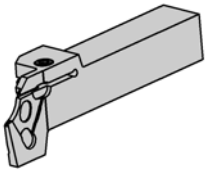
tmax ne peux être atteint seulement avec un diamètre de pièce Ø ≤ 40 mm
tmax può essere raggiunta solo lavorando pezzi Ø ≤ 40 mm

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L361...	**12.3**	**030.0422.T10P**	**T10PL**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R368.1212.08	12	12	95	19,5	24	1	f_1+a_1	8	31208N
R368.1616.08	16	16	95	19,5	24	1	f_1+a_1	8	31208N
R368.1212.11	12	12	95	19,5	24	1,3	f_1+a_1	8	31211N
R368.1616.11	16	16	95	19,5	24	1,3	f_1+a_1	8	31211N
L368.1212.08	12	12	95	19,5	24	1	f_1+a_1	8	31208N
L368.1616.08	16	16	95	19,5	24	1	f_1+a_1	8	31208N
L368.1212.11	12	12	95	19,5	24	1,3	f_1+a_1	8	31211N
L368.1616.11	16	16	95	19,5	24	1,3	f_1+a_1	8	31211N

pour machines TRAUB (TNL12/7)
per macchina utensile TRAUB (TNL12/7)

a1 voir plaquettes amovibles
a1 vd. inserti

Porte outils R/L368...08 pour plaquettes:
R/L312.0805... / R/L312.0808... / R/L312.0510... R/L312.0512... / R/L312.1210.../ R/L312.0012...
Portainserto R/L368...08 per inserti:
R/L312.0805... / R/L312.0808... / R/L312.0510... R/L312.0512... / R/L312.1210.../ R/L312.0012...

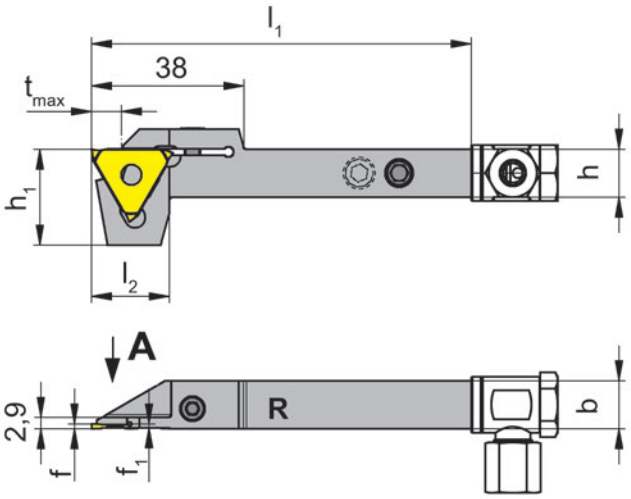
Porte outils R/L368...11 pour plaquettes:
R/L312.0515... / R/L312.0015...V1
Portainserto R/L368...11 per inserti:
R/L312.0515... / R/L312.0015...V1

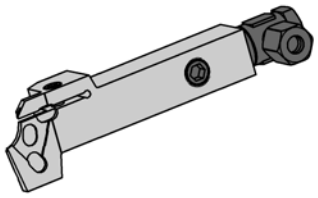
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L368...	**4.15T15P**	**T15PQ**

Porte outils
Portainserto







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R368.1212.08.IK	12	12	95	19,5	24	1	f_1+a_1	8	31208N
R368.1616.08.IK	16	16	95	19,5	24	1	f_1+a_1	8	31208N
R368.1212.11.IK	12	12	95	19,5	24	1,3	f_1+a_1	8	31211N
R368.1616.11.IK	16	16	95	19,5	24	1,3	f_1+a_1	8	31211N
L368.1212.08.IK	12	12	95	19,5	24	1	f_1+a_1	8	31208N
L368.1616.08.IK	16	16	95	19,5	24	1	f_1+a_1	8	31208N
L368.1212.11.IK	12	12	95	19,5	24	1,3	f_1+a_1	8	31211N
L368.1616.11.IK	16	16	95	19,5	24	1,3	f_1+a_1	8	31211N

pour machines TRAUB (TNL12/7)
per macchina utensile TRAUB (TNL12/7)

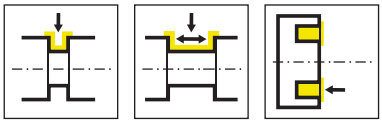
a1 voir plaquettes amovibles
a1 vd. inserti

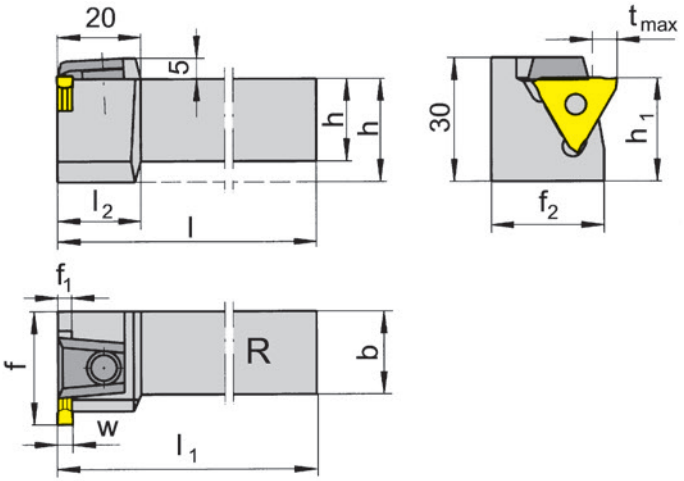
Porte outils R/L368.... 08IK pour les plaquettes:
R/L312.0805... / R/L312.0808... / R/L312.0510... R/L312.0512... / R/L312.1210.../ R/L312.0012...
Portainserto R/L368...08.IK per inserti:
R/L312.0805... / R/L312.0808... / R/L312.0510... R/L312.0512... / R/L312.1210.../ R/L312.0012...

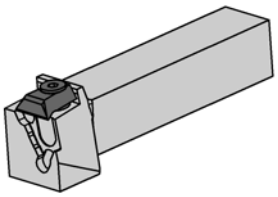
Porte outils R/L368.... 11IK pour les plaquettes:
R/L312.0515... / R/L312.0015...V1
Portainserto R/L368...11.IK per inserti:
R/L312.0515... / R/L312.0015...V1

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Arrosage** Lubrificazione	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L368.1212...	**4.15T15P**	**004.00.22**	**T15PQ**
R/L368.1616...	**4.15T15P**	**004.00.16**	**T15PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

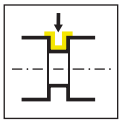
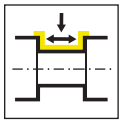
Numéro de commande Codice prodotto	h	b	l	l_1	l_2	h_1	f	t_{max}	f_1	f_2	HWS
R369.2020.01	20	20	125	l-f_1+w-a_1	20	25	27	4	1,5	23,5	31201N • 31201R • 31201L • 31208N • 31211N
R369.2020.02	20	20	125	l-f_1+w-a_1	20	25	27	6	2,5	23,5	31202N • 31202R • 31202L
R369.2525.01	25	25	150	l-f_1+w-a_1	-	25	32	4	1,5	28,5	31201N • 31201R • 31201L • 31208N • 31211N
R369.2525.02	25	25	150	l-f_1+w-a_1	-	25	32	6	2,5	28,5	31202N • 31202R • 31202L
R369.2020.03	20	20	125	l-f_1+w-a_1	20	25	27	6	3,5	23,5	31203N • 31203R • 31203L
R369.2525.03	25	25	150	l-f_1+w-a_1	-	25	32	6	3,5	28,5	31203N • 31203R • 31203L
R369.2020.04	20	20	125	l-f_1+w-a_1	20	25	27	6	4,5	23,5	31204N • 31204R • 31204L
R369.2525.04	25	25	150	l-f_1+w-a_1	-	25	32	6	4,5	28,5	31204N • 31204R • 31204L
L369.2020.01	20	20	125	l-f_1+w-a_1	20	25	27	4	1,5	23,5	31201N • 31201R • 31201L • 31208N • 31211N
L369.2020.02	20	20	125	l-f_1+w-a_1	20	25	27	6	2,5	23,5	31202N • 31202R • 31202L
L369.2525.01	25	25	150	l-f_1+w-a_1	-	25	32	4	1,5	28,5	31201N • 31201R • 31201L • 31208N • 31211N
L369.2525.02	25	25	150	l-f_1+w-a_1	-	25	32	6	2,5	28,5	31202N • 31202R • 31202L
L369.2020.03	20	20	125	l-f_1+w-a_1	20	25	27	6	3,5	23,5	31203N • 31203R • 31203L
L369.2525.03	25	25	150	l-f_1+w-a_1	-	25	32	6	3,5	28,5	31203N • 31203R • 31203L
L369.2020.04	20	20	125	l-f_1+w-a_1	20	25	27	6	4,5	23,5	31204N • 31204R • 31204L
L369.2525.04	25	25	150	l-f_1+w-a_1	-	25	32	6	4,5	28,5	31204N • 31204R • 31204L

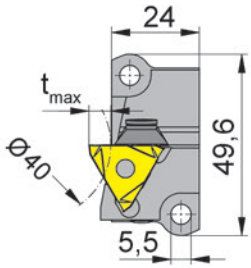
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

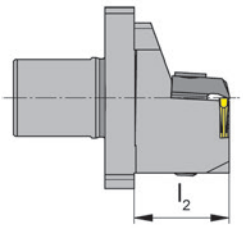
tmax ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 40 mm
tmax può essere raggiunta solo lavorando pezzi Ø ⩽ 40 mm

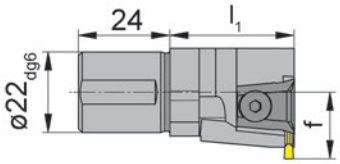
Pièces Détachées
Ricambi

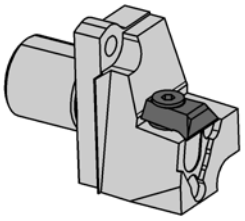
Porte outils Portainserto	**Bride** Staffa
R/L369...	**16.4**







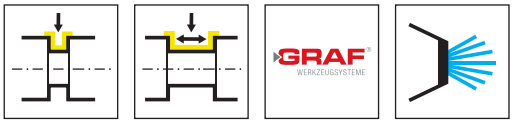
L = version à gauche représentée
L = versione sinistra come in figura

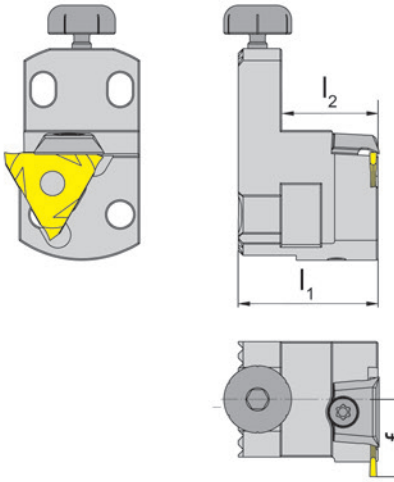
Numéro de commande Codice prodotto	l_2	f	t_{max}	l_1	Plage de serrage Campo di serraggio	HWS	HMS
L369.A022.18.01	26	18,2	4	34	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N	Star
L369.A022.18.02	26	18,2	6	34	1,9-2,9	31202N • 31202R • 31202L	Star

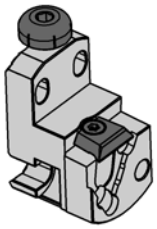
Machines types suisse Star:
ECAS-12/20, SB16D/E, SR-20, SR20J/JN, RS-20RII, RS-20RIII, RS-20RIV, RS-32J/JN, SW-12RII
Macchine fantina mobile Star:
ECAS-12/20, SB16D/E, SR-20, SR20J/JN, RS-20RII, RS-20RIII, RS-20RIV, RS-32J/JN, SW-12RII

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
L369...	**16.4**







R = version à droite représentée
R = versione destra come in figura

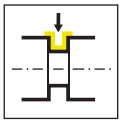
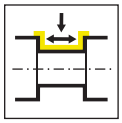
L = version à gauche
L = versione sinistra a specchio

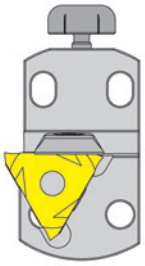
Numéro de commande Codice prodotto	l_1	l_2	f	Plage de serrage Campo di serraggio	HWS
R.64	29	20	16	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R.65	29	20	16	1,9-2,9	31202N • 31202R • 31202L
R.64.IK	40	12	16	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
R.65.IK	40	12	16	1,9-2,9	31202N • 31202R • 31202L
L.64	29	20	16	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L.65	29	20	16	1,9-2,9	31202N • 31202R • 31202L
L.64.IK	40	12	16	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
L.65.IK	40	12	16	1,9-2,9	31202N • 31202R • 31202L

Pièces Détachées
Ricambi

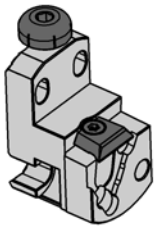
Cartouche Graf Cartuccia Graf	**Bride** Staffa	**Arrosage** Lubrificazione
R/L...	**12.3**	
R/L...IK	**4.082.R/L**	**004.00.19**

Cartouche Graf
Cartuccia Graf





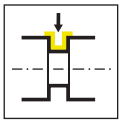
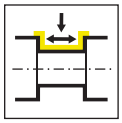
R = version à droite représentée
R = versione destra come in figura

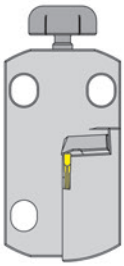
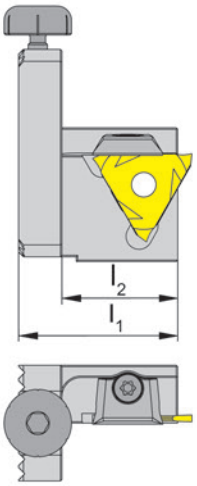
L = version à gauche
L = versione sinistra a specchio

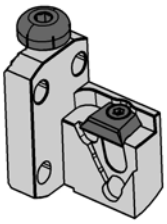
Numéro de commande Codice prodotto	l_1	l_2	f	Plage de serrage Campo di serraggio	HWS
R.99	29	20	16	2,9-3,9	31203N • 31203R • 31203L
L.99	29	20	16	2,9-3,9	31203N • 31203R • 31203L

Supports réglables
Portainserto registrabile

N67 / N68

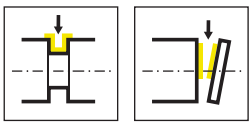




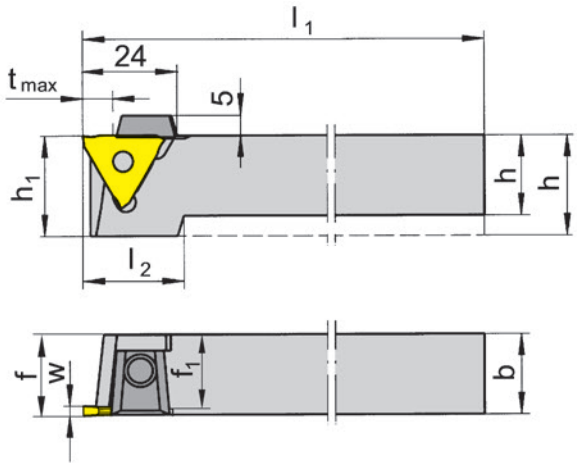


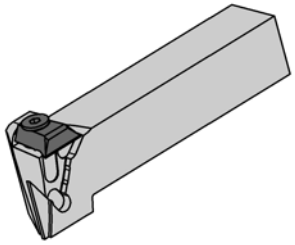
Numéro de commande Codice prodotto	l_1	l_2	Plage de serrage Campo di serraggio	HWS
N.67	33	29	0,5-1,9	31201N • 31201R • 31201L • 31208N • 31211N
N.68	33	29	1,9-2,9	31202N • 31202R • 31202L

Pièces Détachées
Ricambi

Supports réglables Portainserto registrabile	**Bride** Staffa
N.67	**12.3**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

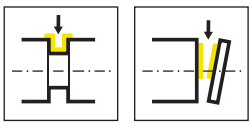
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	Plage de serrage Campo di serraggio	HWS
R390.2020.01	20	20	125	22	25	18,5	f_1+w-a_1	8	1,4-1,9	31201N • 31201R • 31201L
R390.2525.01	25	25	150	-	25	23,5	f_1+w-a_1	8	1,4-1,9	31201N • 31201R • 31201L
R390.2020.02	20	20	125	22	25	17,5	f_1+w-a_1	8	1,9-2,9	31202N • 31202R • 31202L
R390.2525.02	25	25	150	-	25	22,5	f_1+w-a_1	8	1,9-2,9	31202N • 31202R • 31202L
R390.3232.02	32	32	170	-	32	29,5	f_1+w-a_1	8	1,9-2,9	31202N • 31202R • 31202L
R390.2020.03	20	20	125	22	25	16,5	f_1+w-a_1	8	2,9-3,9	31203N • 31203R • 31203L
R390.2525.03	25	25	150	-	25	21,5	f_1+w-a_1	8	2,9-3,9	31203N • 31203R • 31203L
R390.3232.03	32	32	170	-	32	28,5	f_1+w-a_1	8	2,9-3,9	31203N • 31203R • 31203L
R390.2020.04	20	20	125	22	25	14,8	f_1+w-a_1	8	3,9-5,3	31204N • 31204R • 31204L
R390.2525.04	25	25	150	-	25	19,8	f_1+w-a_1	8	3,9-5,3	31204N • 31204R • 31204L
R390.3232.04	32	32	170	-	32	26,8	f_1+w-a_1	8	3,9-5,3	31204N • 31204R • 31204L
L390.2020.01	20	20	125	22	25	18,5	f_1+w-a_1	8	1,4-1,9	31201N • 31201R • 31201L
L390.2525.01	25	25	150	-	25	23,5	f_1+w-a_1	8	1,4-1,9	31201N • 31201R • 31201L
L390.2020.02	20	20	125	22	25	17,5	f_1+w-a_1	8	1,9-2,9	31202N • 31202R • 31202L
L390.2525.02	25	25	150	-	25	22,5	f_1+w-a_1	8	1,9-2,9	31202N • 31202R • 31202L
L390.3232.02	32	32	170	-	32	29,5	f_1+w-a_1	8	1,9-2,9	31202N • 31202R • 31202L
L390.2020.03	20	20	125	22	25	16,5	f_1+w-a_1	8	2,9-3,9	31203N • 31203R • 31203L
L390.2525.03	25	25	150	-	25	21,5	f_1+w-a_1	8	2,9-3,9	31203N • 31203R • 31203L
L390.3232.03	32	32	170	-	32	28,5	f_1+w-a_1	8	2,9-3,9	31203N • 31203R • 31203L
L390.2020.04	20	20	125	22	25	14,8	f_1+w-a_1	8	3,9-5,3	31204N • 31204R • 31204L
L390.2525.04	25	25	150	-	25	19,8	f_1+w-a_1	8	3,9-5,3	31204N • 31204R • 31204L
L390.3232.04	32	32	170	-	32	26,8	f_1+w-a_1	8	3,9-5,3	31204N • 31204R • 31204L

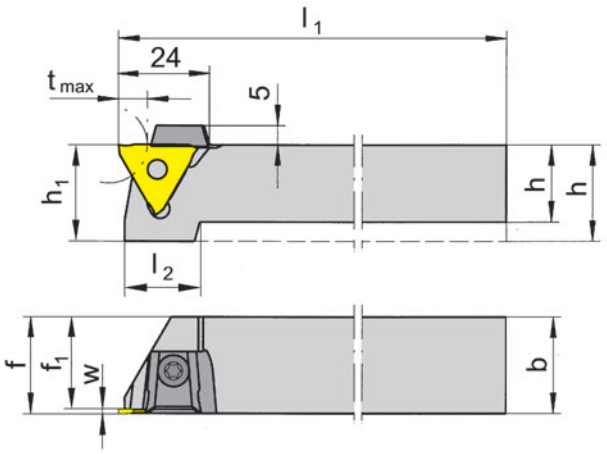
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

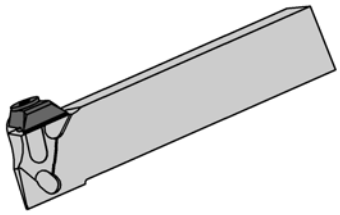
tmax ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 125 mm
tmax può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 125 mm

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L390...	**16.4**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R391.1212.01	12	12	100	21	21	10,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
R391.1616.01	16	16	125	21	21	14,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
R391.2020.01	20	20	125	21	21	18,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
R391.2525.01	25	25	150	-	25	23,8	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
L391.1212.01	12	12	100	21	21	10,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
L391.1616.01	16	16	125	21	21	14,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
L391.2020.01	20	20	125	21	21	18,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
L391.2525.01	25	25	150	-	25	23,8	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N

w, a1 voir plaquettes amovibles
w, a1 vd. inserti

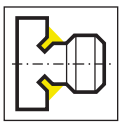
tmax ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 20 mm
tmax può essere raggiunta solo lavorando pezzi Ø ⩽ 20 mm

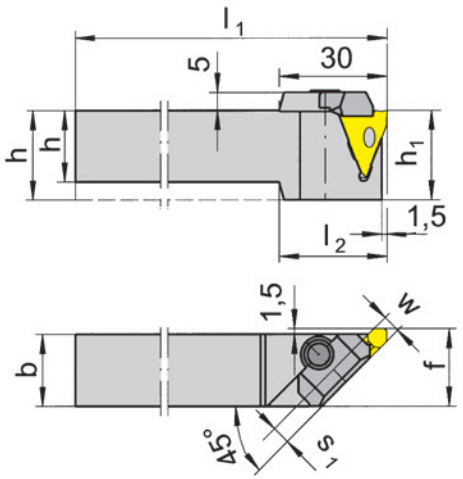
Pièces Détachées
Ricambi

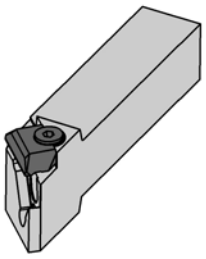
Porte outils Portainserto	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L391.1212.01	**12.3**	**T10PL**
R/L391.1616.01	**14.4**	**T15PQ**
R/L391....	**16.4**	

Porte outils
Portainserto

309







R = version à droite représentée
R = versione destra come in figura

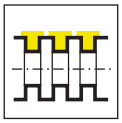
L = version à gauche
L = versione sinistra a specchio

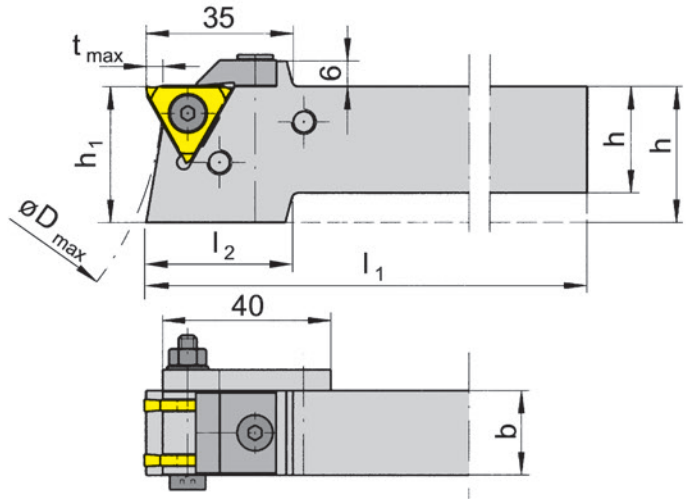
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f	s_1	Plage de serrage Campo di serraggio	HWS
R309.1616.01	16	16	125	30	25	21,5	1,5	0,5-1,9	31201N • 31201R • 31201L
R309.2020.02	20	20	125	30	25	21,5	2,5	1,9-2,9	31202N • 31202R • 31202L
R309.2525.02	25	25	150	-	25	26,5	2,5	1,9-2,9	31202N • 31202R • 31202L
R309.3232.02	32	32	170	-	32	33,5	2,5	1,9-2,9	31202N • 31202R • 31202L
R309.2020.03	20	20	125	30	25	21,5	3,5	2,9-3,9	31203N • 31203R • 31203L
R309.2525.03	25	25	150	-	25	26,5	3,5	2,9-3,9	31203N • 31203R • 31203L
R309.3232.03	32	32	170	-	32	33,5	3,5	2,9-3,9	31203N • 31203R • 31203L
R309.2020.04	20	20	125	30	25	21,5	5,2	3,9-5,3	31204N • 31204R • 31204L
R309.2525.04	25	25	150	-	25	26,5	5,2	3,9-5,3	31204N • 31204R • 31204L
R309.3232.04	32	32	170	-	32	33,5	5,2	3,9-5,3	31204N • 31204R • 31204L
L309.1616.01	16	16	125	30	25	21,5	1,5	0,5-1,9	31201N • 31201R • 31201L
L309.2020.02	20	20	125	30	25	21,5	2,5	1,9-2,9	31202N • 31202R • 31202L
L309.2525.02	25	25	150	-	25	26,5	2,5	1,9-2,9	31202N • 31202R • 31202L
L309.2020.03	20	20	125	30	25	21,5	3,5	2,9-3,9	31203N • 31203R • 31203L
L309.2525.03	25	25	150	-	25	26,5	3,5	2,9-3,9	31203N • 31203R • 31203L
L309.3232.03	32	32	170	-	32	33,5	3,5	2,9-3,9	31203N • 31203R • 31203L
L309.2020.04	20	20	125	30	25	21,5	5,2	3,9-5,3	31204N • 31204R • 31204L
L309.2525.04	25	25	150	-	25	26,5	5,2	3,9-5,3	31204N • 31204R • 31204L

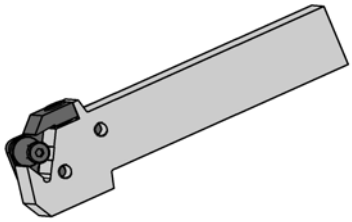
w voir plaquettes amovibles
w vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L309...	**21.4**



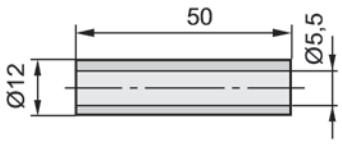




Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	D_{max}	t_{max}	HWS
340.2020.01	20	20	170	35	32	160	4	31201N
340.2520.01	25	20	170	35	32	160	4	31201N
340.3220.01	32	20	170	-	32	160	4	31201N

Utilisable uniquement avec les plaquettes spéciales type 312
Utilizzabile solo con inserti speciali tipo 312

Tube pour réalisation d'entretoise. Référence 340.0012.50
Distanziale. Codice prodotto 340.0012.50

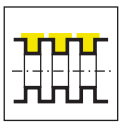


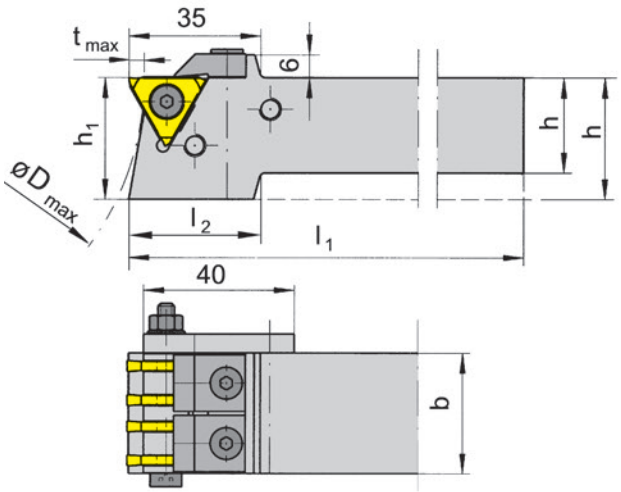
Pièces Détachées
Ricambi

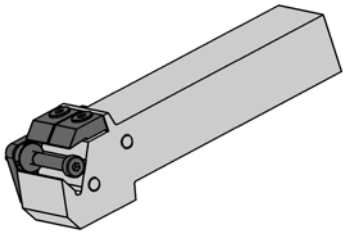
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Bride** Staffa
340...	**5.30.7984**	**340.0200**

Porte outils
Portainserto

340





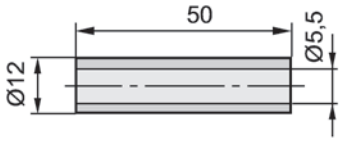


Montage à droite
Montato a destra

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	D_{max}	t_{max}	HWS
340.2532.02	25	32	170	35	32	160	4	31202N

Utilisable uniquement avec les plaquettes spéciales type 312
Utilizzabile solo con inserti speciali tipo 312

Tube pour réalisation d'entretoise. Référence 340.0012.50
Distanziale. Codice prodotto 340.0012.50

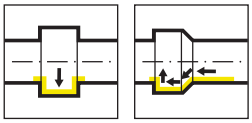


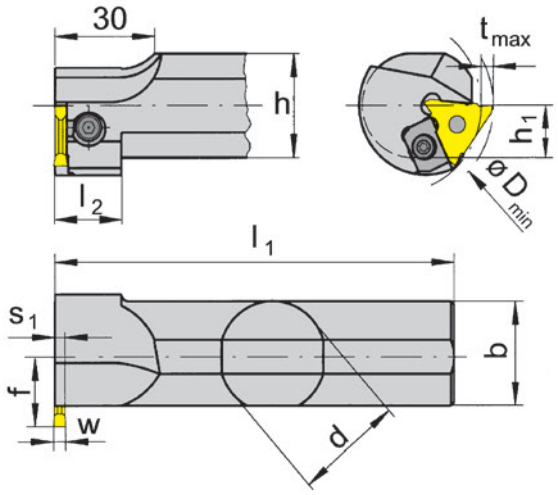
Pièces Détachées
Ricambi

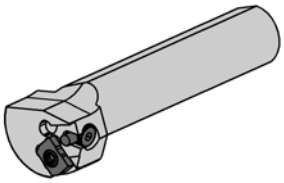
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Vis** Vite	**Bride** Staffa
340.2532.02	**6.16.7991**	**5.40.7984**	**22.16**

Base de support
Attacco Base

330







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	l_2	h	s_1	h_1	f	D_{min}	b	Plage de serrage Campo di serraggio	HWS
R330.0025.K2	25	170	20	23	2,5	11,5	20	46	25	1,9-2,9	31202N • 31202R • 31202L
R330.0032.K2	32	200	20	30	2,5	15	20	46	30	1,9-2,9	31202N • 31202R • 31202L
R330.0040.K2	40	250	-	38	2,5	19	24	46	38	1,9-2,9	31202N • 31202R • 31202L
R330.0025.K3	25	170	20	23	3,5	11,5	20	46	25	2,9-3,9	31203N • 31203R • 31203L
R330.0032.K3	32	200	20	30	3,5	15	20	46	30	2,9-3,9	31203N • 31203R • 31203L
R330.0040.K3	40	250	-	38	3,5	19	24	46	38	2,9-3,9	31203N • 31203R • 31203L
R330.0025.K4	25	170	20	23	5,5	11,5	20	46	25	3,9-6,3	31204N • 31204R • 31204L
R330.0032.K4	32	200	20	30	5,5	15	20	46	30	3,9-6,3	31204N • 31204R • 31204L
R330.0040.K4	40	250	-	38	5,5	19	24	46	38	3,9-6,3	31204N • 31204R • 31204L
L330.0025.K2	25	170	20	23	2,5	11,5	20	46	25	1,9-2,9	31202N • 31202R • 31202L
L330.0032.K2	32	200	20	30	2,5	15	20	46	30	1,9-2,9	31202N • 31202R • 31202L
L330.0040.K2	40	250	-	38	2,5	19	24	46	38	1,9-2,9	31202N • 31202R • 31202L
L330.0025.K3	25	170	20	23	3,5	11,5	20	46	25	2,9-3,9	31203N • 31203R • 31203L
L330.0032.K3	32	200	20	30	3,5	15	20	46	30	2,9-3,9	31203N • 31203R • 31203L
L330.0040.K3	40	250	-	38	3,5	19	24	46	38	2,9-3,9	31203N • 31203R • 31203L
L330.0025.K4	25	170	20	23	5,5	11,5	20	46	25	3,9-6,3	31204N • 31204R • 31204L
L330.0032.K4	32	200	20	30	5,5	15	20	46	30	3,9-6,3	31204N • 31204R • 31204L
L330.0040.K4	40	250	20	38	5,5	19	24	46	38	3,9-6,3	31204N • 31204R • 31204L

w voir plaquettes amovibles
w vd. inserti

Profondeur de gorge selon le ø d'alésage
Profondità gola in funzione al ø del foro

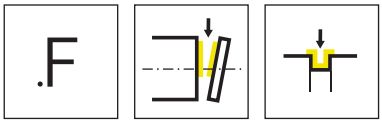
Dmin	tmax
46	2
50	3
60	4
80	4,5
100	5

Pièces Détachées
Ricambi

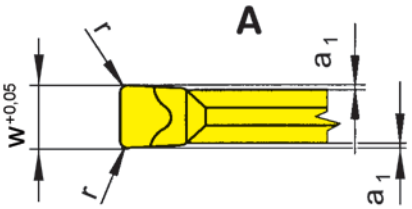
Base de support Attacco Base	**Vis de serrage** Vite di serraggio	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L330...	**5.12T20P**	**15.4**	**T20PQ**

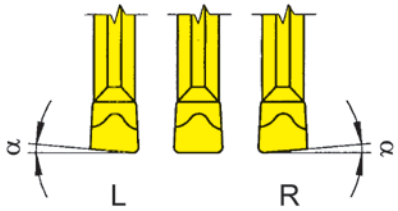
Plaquette amovible
Inserto

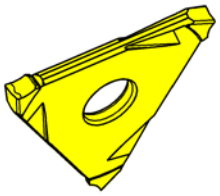
S312











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

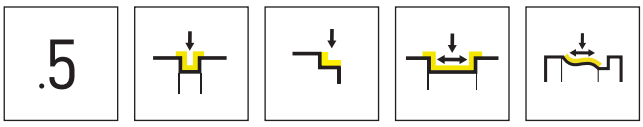
▲ en stock
a stock

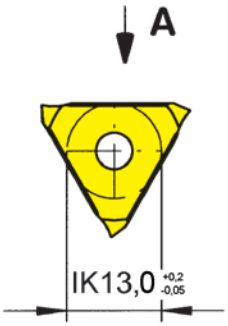
Δ 4 semaines
4 settimane

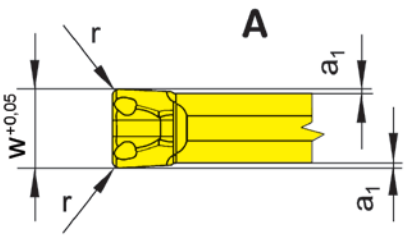
Numéro de commande Codice prodotto	w	r	α	a_1	HIS		EG56	TF45	TF46	T125
RS312.0520.F2	2	0,2	5°	0,25	31202N		Δ		▲	▲
RS312.0525.F2	2,5	0,2	5°	0,25	31202N		▲		▲	▲
LS312.0520.F2	2	0,2	5°	0,25	31202N		Δ		Δ	▲
LS312.0525.F2	2,5	0,2	5°	0,25	31202N		Δ			▲
S312.0200.F2	2	0,2	0°	0,25	31202N		▲	Δ	▲	▲
S312.0250.F2	2,5	0,2	0°	0,25	31202N		Δ	Δ	▲	▲
S312.0400.F2	4	0,2	0°	0,25	31204N		Δ		▲	Δ
S312.0400.F4	4	0,4	0°	0,25	31204N		▲		▲	▲
S312.0500.F2	5	0,2	0°	0,25	31204N		▲		▲	
S312.0500.F4	5	0,4	0°	0,25	31204N		Δ		Δ	
						P	●	●	●	●
						M	o	●	o	●
						K	o	●	●	●
						N	-	●	●	●
						S	-	●	o	●
						H	-	-	-	-

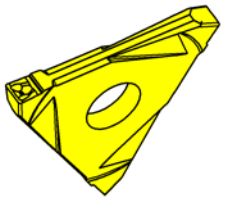
Plaquette amovible
Inserto

S312









Nuance
Leghe

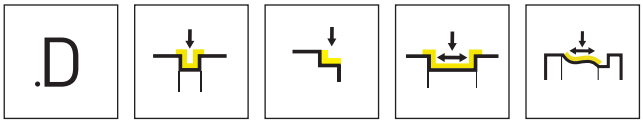
▲ en stock
a stock

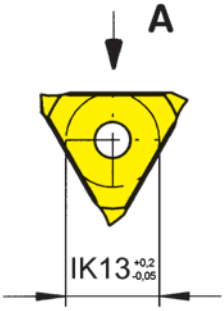
Δ 4 semaines
4 settimane

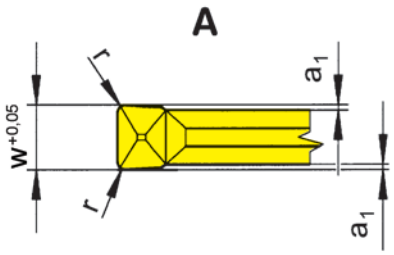
N° de commande Codice prodotto	w	r	a_1	HIS	AL96	AS62	AS66	EG56	TC92	TF45	TF46	TI25	TN32	TN35
S312.0250.52	2,5	0,2	0,25	31202N	▲	▲	▲	▲	Δ	▲	▲	▲	▲	
S312.0250.54	2,5	0,4	0,25	31202N	Δ	▲	▲	▲	Δ	▲	▲	▲	▲	▲
S312.0300.52	3	0,2	0,25	31203N	Δ	▲	▲	▲	Δ	▲	▲	▲	▲	
S312.0300.54	3	0,4	0,25	31203N	Δ	▲	▲	▲	Δ	Δ	▲	▲	▲	
S312.0400.52	4	0,2	0,25	31204N		▲	▲	▲			▲	▲	Δ	
S312.0400.54	4	0,4	0,25	31204N		▲	▲	▲			▲	▲	▲	
S312.0500.52	5	0,2	0,25	31204N		▲	▲	▲			▲	Δ	Δ	
S312.0500.54	5	0,4	0,25	31204N		▲	▲	Δ			▲	▲	Δ	
P					●	●	●	●	●	●	●	●	●	●
M					-	-	o	o	-	●	o	●	-	●
K					●	-	●	o	-	●	●	●	-	●
N					●	-	●	-	-	●	●	●	-	●
S					-	-	o	-	-	●	o	●	-	●
H					-	-	-	-	-	-	-	-	-	-

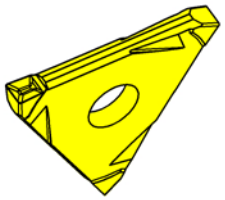
Plaquette amovible
Inserto

S312









Nuance
Leghe

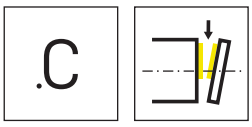
▲ en stock
a stock

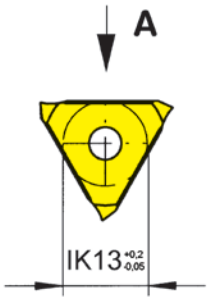
Δ 4 semaines
4 settimane

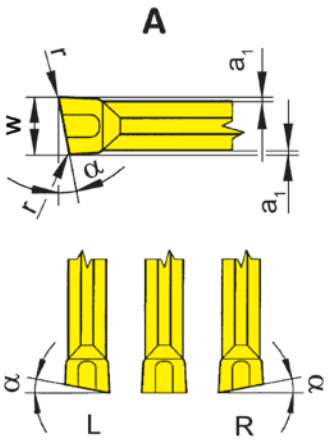
Numéro de commande Codice prodotto	w	r	a_1	HIS	AS62	AS66	EG56	TF45	TF46	TI25	TN32
S312.0200.D2	2	0,2	0,25	31202N	▲	▲	▲	Δ	▲	▲	▲
S312.0200.D4	2	0,4	0,25	31202N	▲	▲	▲	Δ	Δ	▲	
S312.0250.D2	2,5	0,2	0,25	31202N	▲	▲	▲	▲	▲	▲	▲
S312.0250.D4	2,5	0,4	0,25	31202N	▲	▲	▲	▲	▲	▲	▲
S312.0300.D2	3	0,2	0,25	31203N	Δ	▲	▲	▲	▲	▲	▲
S312.0300.D4	3	0,4	0,25	31203N	▲	▲	▲	Δ	Δ	Δ	
P					●	●	●	●	●	●	●
M					-	o	o	●	o	●	-
K					-	●	o	●	●	●	-
N					-	●	-	●	●	●	-
S					-	o	-	●	o	●	-
H					-	-	-	-	-	-	-

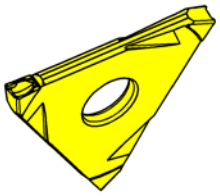
Plaquette amovible
Inserto

S312









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

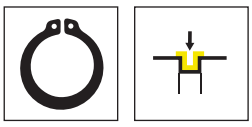
▲ en stock
a stock

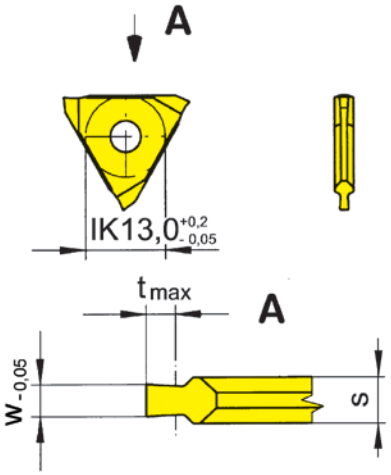
Δ 4 semaines
4 settimane

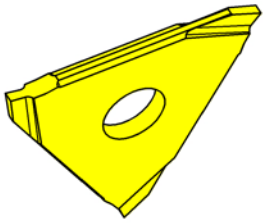
Numéro de commande Codice prodotto	w	r	α	a_1	HIS		EG55	TF46	T125
RS312.0520.C2	2	0,2	5°	0,25	31202N		▲	▲	▲
RS312.0525.C2	2,5	0,2	5°	0,25	31202N		Δ	▲	▲
RS312.0530.C2	3	0,2	5°	0,25	31203N		Δ	Δ	▲
LS312.0520.C2	2	0,2	5°	0,25	31202N		▲	Δ	▲
LS312.0525.C2	2,5	0,2	5°	0,25	31202N			Δ	▲
LS312.0530.C2	3	0,2	5°	0,25	31203N		Δ		Δ
S312.0200.C2	2	0,2	0°	0,25	31202N		▲	▲	▲
S312.0250.C2	2,5	0,2	0°	0,25	31202N		▲	Δ	▲
S312.0300.C2	3	0,2	0°	0,25	31203N		Δ	Δ	Δ
						P	●	●	●
						M	o	o	●
						K	o	●	●
						N	-	●	●
						S	-	o	●
						H	-	-	-

Plaquette amovible
Inserto

312







Nuance
Leghe

▲ en stock
a stock

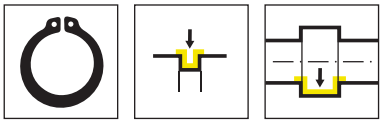
Δ 4 semaines
4 settimane

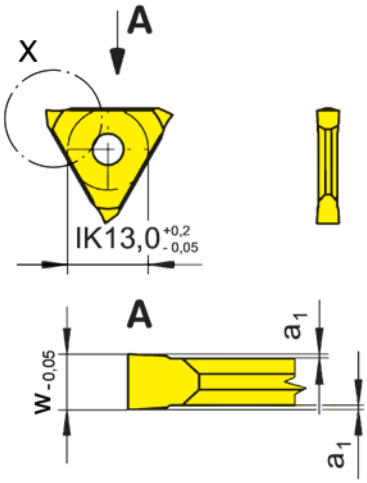
Numéro de commande Codice prodotto	w	Nw	t_{max}	s	HIS		EG35	EG52	TN32
312.0034.15	0,38	0,34	0,6	1,5	31201N		Δ		
312.0044.15	0,44	0,4	0,7	1,5	31201N		Δ		
312.0050.15	0,57	0,5	0,7	1,5	31201N			▲	▲
312.0060.15	0,67	0,6	0,8	1,5	31201N			▲	▲
312.0070.15	0,77	0,7	1,1	1,5	31201N			▲	▲
312.0080.15	0,87	0,8	1,2	1,5	31201N			▲	▲
312.0090.15	0,97	0,9	1,4	1,5	31201N			▲	▲
312.0100.15	1,07	1	1,6	1,5	31201N			▲	▲
						P	●	●	●
						M	●	o	-
						K	o	-	-
						N	-	-	-
						S	-	-	-
						H	-	-	-

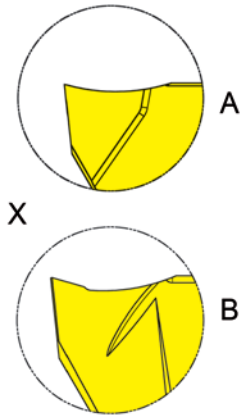
Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472

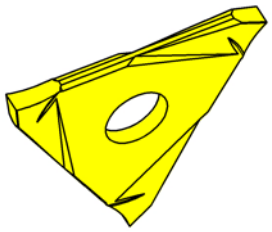
Plaquette amovible
Inserto

312









Forme A = complètement rectifiée
Forma A = completamente affilato

Forme B = partiellement rectifiée
Forma B = parzialmente affilato

Nuance
Leghe

▲ en stock
a stock

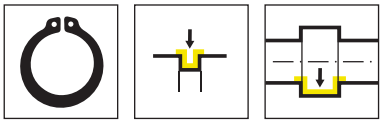
Δ 4 semaines
4 settimane

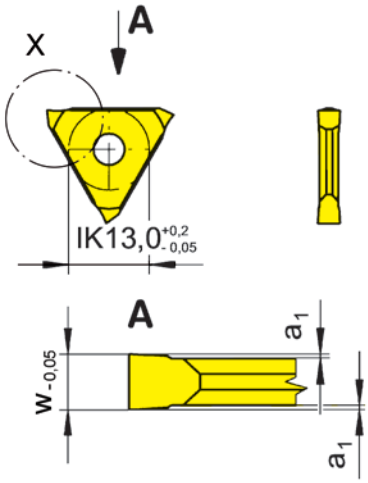
Numéro de commande Codice prodotto	w	Nw	a_1	Forme Forma	HIS	K10	MG12	P20	EG55	TC92	TF45	TF46	TI25	TN32	TN35	H20
312.0050.00	0,57	0,5	0,07	A	31201N	▲		▲	▲		▲	▲		▲		
312.0060.00	0,67	0,6	0,07	A	31201N	▲		▲	▲		▲	▲		▲		
312.0070.00	0,77	0,7	0,08	A	31201N	▲		▲	▲		▲	▲		▲		
312.0080.00	0,87	0,8	0,08	A	31201N	▲		▲	▲		▲	▲		▲		
312.0090.00	0,97	0,9	0,08	A	31201N	▲		▲	▲		▲	▲		▲	▲	
312.0100.00	1,07	1	0,09	A	31201N	▲		▲	▲		▲	▲		▲	▲	Δ
312.0110.00	1,24	1,1	0,2	A	31201N	▲		▲	▲	▲	▲	▲		▲		
312.0130.00	1,44	1,3	0,2	A	31201N	▲		▲	▲	▲	▲	▲		▲	▲	
312.0160.00	1,74	1,6	0,2	A	31201N	▲		▲	▲	▲	▲	▲		▲	▲	
312.0185.00	1,99	1,85	0,2	B	31201N	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲	▲
312.0215.00	2,29	2,15	0,2	B	31202N	▲	▲	▲	▲	▲	▲	▲		▲	▲	▲
312.0265.00	2,79	2,65	0,2	B	31202N	▲	▲	▲	▲	▲	▲	▲		▲	▲	▲
312.0315.00	3,29	3,15	0,2	B	31203N	▲		▲	▲	▲	▲	▲		▲	▲	▲
312.0415.00	4,29	4,15	0,2	B	31204N	▲		▲	▲	▲	▲	▲		▲	▲	
312.0515.00	5,29	5,15	0,2	B	31204N	▲		▲	▲	▲	▲	▲		▲		▲
						P	●	o	●	●	●	●	●	●	●	●	●
						M	o	-	-	o	-	●	o	●	-	●	o
						K	●	-	-	o	-	●	●	●	-	●	-
						N	●	-	-	-	-	●	●	●	-	●	-
						S	o	-	-	-	-	●	o	●	-	●	-
						H	-	-	-	-	-	-	-	-	-	-	-

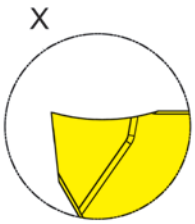
Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472

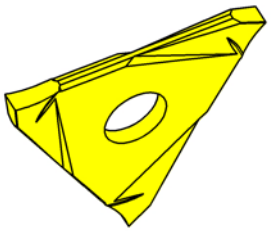
Plaquette amovible
Inserto

312









complètement rectifiée
completamente affilato

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

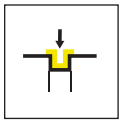
Numéro de commande Codice prodotto	w	Nw	a_1	HIS		K10	P20	EG56	TN32
312.0185.10	1,99	1,85	0,2	31201N		Δ	▲		▲
312.0215.10	2,29	2,15	0,2	31202N		▲	Δ	▲	
312.0265.10	2,79	2,65	0,2	31202N		▲	▲	Δ	
312.0315.10	3,29	3,15	0,2	31203N		▲	Δ	Δ	
312.0415.10	4,29	4,15	0,2	31204N		▲	▲	▲	
					P	●	●	●	●
					M	o	-	o	-
					K	●	-	o	-
					N	●	-	-	-
					S	o	-	-	-
					H	-	-	-	-

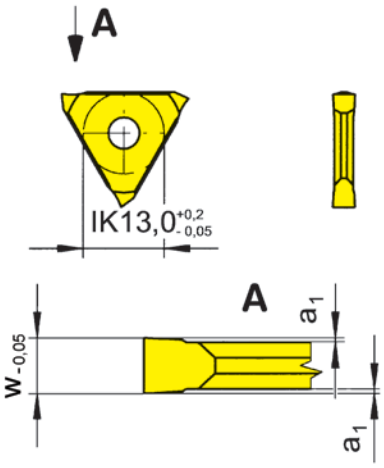
Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472

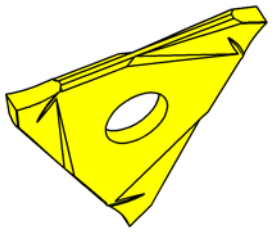
Plaquette amovible
Inserto

312









Nuance
Leghe

▲ en stock
a stock

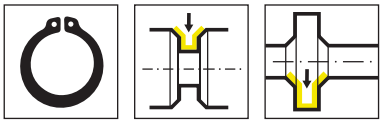
Δ 4 semaines
4 settimane

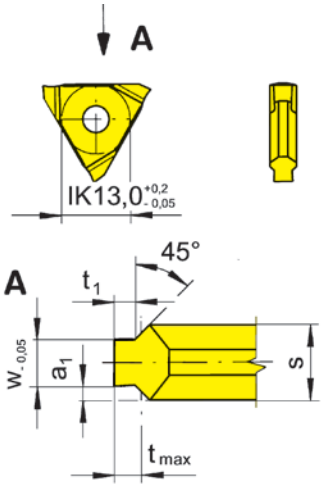
Numéro de commande Codice prodotto	w	Nw	a_1	HIS		EG55	TN35
312.0110.80	1,24	1,1	0,2	31201N		▲	▲
312.0130.80	1,44	1,3	0,2	31201N		▲	▲
312.0160.80	1,74	1,6	0,2	31201N		▲	▲
312.0185.80	1,99	1,85	0,2	31201N		▲	▲
312.0215.80	2,29	2,15	0,2	31202N		▲	▲
312.0265.80	2,79	2,65	0,2	31202N		▲	▲
312.0315.80	3,29	3,15	0,2	31203N		Δ	▲
312.0415.80	4,29	4,15	0,2	31204N		▲	▲
312.0515.80	5,29	5,15	0,2	31204N			▲
					P	●	●
					M	o	●
					K	o	●
					N	-	●
					S	-	●
					H	-	-

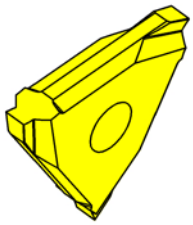
Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472

Plaquette amovible
Inserto

312







Nuance
Leghe

▲ en stock
a stock

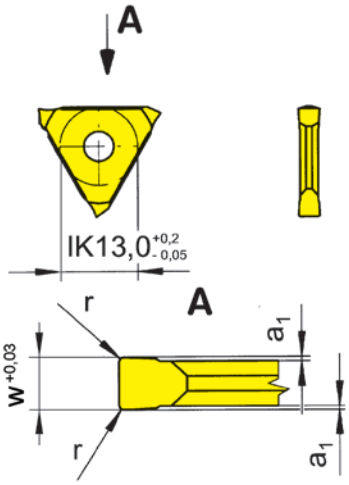
Δ 4 semaines
4 settimane

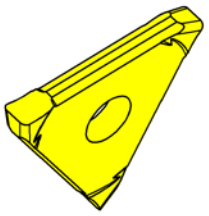
Numéro de commande Codice prodotto	w	Nw	t_{max}	a_1	s	t_1	HIS	EG52	TN32
312.1101.25	1,24	1,1	0,2	0,64	2,5	0,19	31202N	Δ	Δ
312.1102.25	1,24	1,1	0,25	0,64	2,5	0,24	31202N	▲	▲
312.1103.25	1,24	1,1	0,3	0,64	2,5	0,29	31202N	▲	▲
312.1104.25	1,24	1,1	0,35	0,64	2,5	0,33	31202N	Δ	▲
312.1105.25	1,24	1,1	0,4	0,64	2,5	0,36	31202N	▲	▲
312.1306.25	1,44	1,3	0,55	0,54	2,5	0,45	31202N	Δ	▲
312.1607.33	1,74	1,6	0,7	0,79	3,3	0,6	31203N	▲	▲
312.1608.33	1,74	1,6	0,85	0,79	3,3	0,75	31203N	▲	▲
312.1609.33	1,74	1,6	1	0,79	3,3	0,85	31203N	▲	▲
312.1810.33	1,99	1,85	1	0,67	3,3	0,85	31203N	▲	▲
312.1812.33	1,99	1,85	1,25	0,67	3,3	1,1	31203N	▲	▲
312.2115.43	2,29	2,15	1,5	1,02	4,3	1,35	31204N	▲	▲
312.2616.43	2,79	2,65	1,5	0,77	4,3	1,35	31204N	▲	▲
312.2617.43	2,79	2,65	1,75	0,77	4,3	1,6	31204N	▲	▲
312.3118.53	3,29	3,15	1,75	1,02	5,3	1,6	31204N	▲	▲
312.4120.53	4,29	4,15	2	0,52	5,3	1,85	31204N	▲	▲
312.4125.53	4,29	4,15	2,5	0,52	5,3	2,35	31204N	Δ	▲
312.5130.63	5,29	5,15	3	0,52	6,3	2,85	31204N	Δ	▲

P	●	●
M	o	-
K	-	-
N	-	-
S	-	-
H	-	-

Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472







Nuance
Leghe

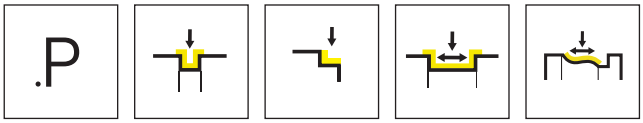
▲ en stock
a stock

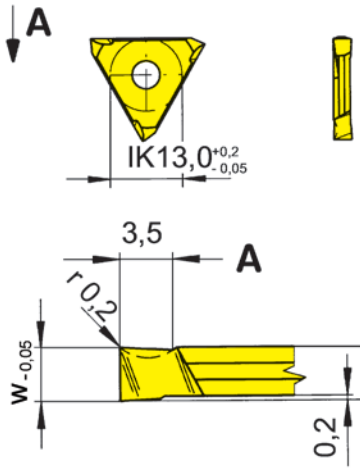
Δ 4 semaines
4 settimane

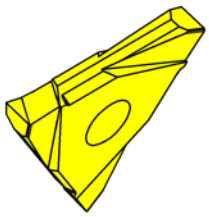
Numéro de commande Codice prodotto	w	r	a_1	HIS	K10	P20	EG52	TI25	TN32	TN35	H20
312.0100.02	1	0,2	0,1	31201N			▲	▲	▲		
312.0150.02	1,5	0,2	0,25	31201N	Δ	▲	▲	▲	▲	▲	
312.0200.02	2	0,2	0,25	31202N	▲	▲	▲	▲	▲	▲	▲
312.0200.04	2	0,4	0,25	31202N		▲	▲		▲		▲
312.0300.02	3	0,2	0,25	31203N	Δ	▲	▲	▲	▲		▲
312.0300.06	3	0,6	0,25	31203N		▲	▲		▲		
312.0400.02	4	0,2	0,25	31204N		▲	▲		▲		▲
312.0400.08	4	0,8	0,25	31204N		Δ	▲		▲		
312.0400.12	4	1,2	0,25	31204N		Δ	Δ				
P					●	●	●	●	●	●	●
M					o	-	o	●	-	●	o
K					●	-	-	●	-	●	-
N					●	-	-	●	-	●	-
S					o	-	-	●	-	●	-
H					-	-	-	-	-	-	-

Plaquette amovible
Inserto

312







L = version à gauche représentée
L = versione sinistra come in figura

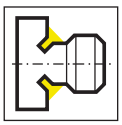
R = version à droite
R = versione destra a specchio

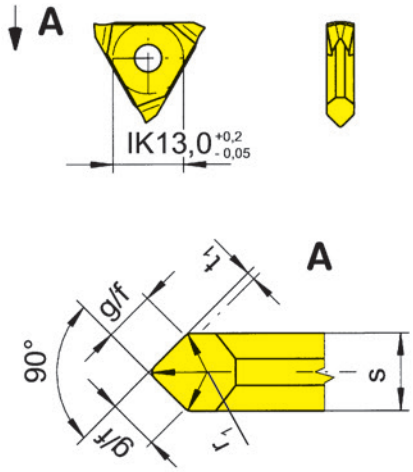
▲ en stock
a stock

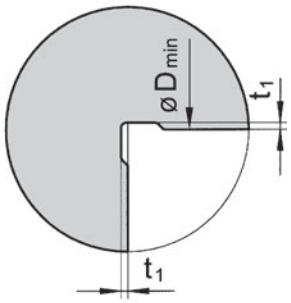
Δ 4 semaines
4 settimane

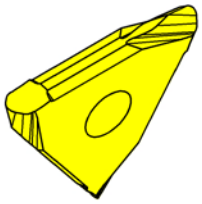
Numéro de commande Codice prodotto	w	HIS	Nuance Leghe P20	EG52	TN32
R312.3031.33	3,29	31203N	▲	▲	▲
L312.3031.33	3,29	31203N	Δ	▲	▲
			P ●	●	●
			M -	o	-
			K -	-	-
			N -	-	-
			S -	-	-
			H -	-	-

Cette géométrie spécifique est très positive de l'angle de coupe et du brise copeaux diminue les efforts sur l'arête de coupe.
La geometria speciale sul tagliente consente un angolo di spoglia superiore positivo che unito al rompitruciolo consente una riduzione degli sforzi di taglio.









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

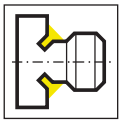
Numéro de commande Codice prodotto	D_{min}	t_1	s	g/f	r_1	HIS	P20	EG52
312.0602.24	19	0,2	2,4	1,7	0,6	31202N	▲	▲
312.0603.33	23	0,3	3,3	2,3	0,6	31203N	▲	▲
312.1002.30	20	0,2	3	2,1	1	31203N	▲	Δ
312.1004.50	29	0,4	5	3,6	1	31204N	▲	▲
312.1603.50	25	0,3	5	3,6	1,6	31204N	Δ	Δ

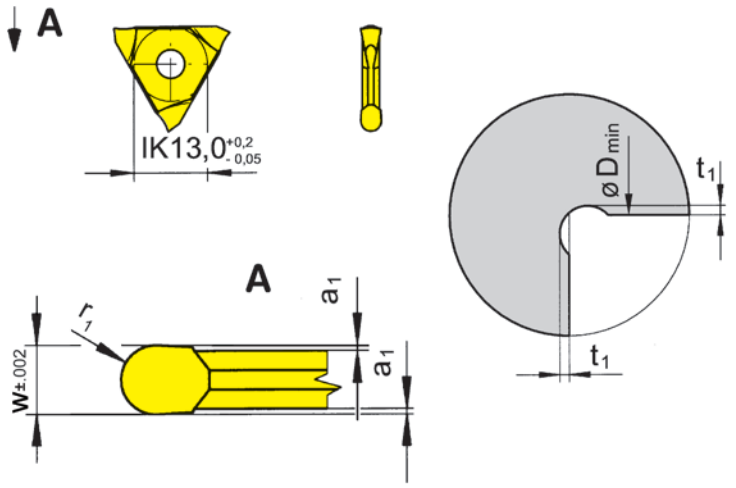
Dégagement suivant DIN 509 forme F
Scarico di rettifica simile a DIN 509 forma F

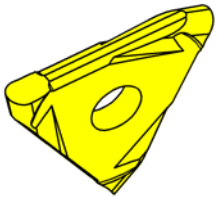
P	●	●
M	-	o
K	-	-
N	-	-
S	-	-
H	-	-

Plaquette amovible
Inserto

312







Nuance
Leghe

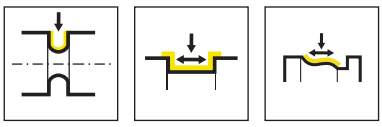
▲ en stock
a stock

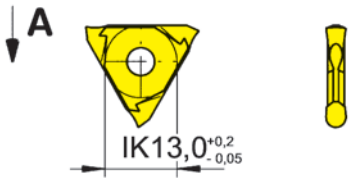
Δ 4 semaines
4 settimane

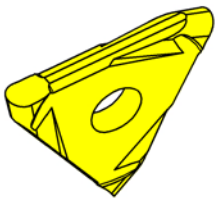
Numéro de commande Codice prodotto	w	r_1	a_1	D_{min}	t_1	HIS	K10	P20	EG52	TN32
312.0010.20	2	1	0,2	22	0,7	31202N	▲	▲	▲	▲
312.0015.30	3	1,5	0,2	27	1	31202N	▲	▲	▲	▲
312.0020.40	4	2	0,2	30	1,2	31204N	▲	▲	▲	▲
312.0025.50	5	2,5	0,2	35	1,5	31204N		▲	▲	▲
							P	●	●	●	●
							M	o	-	o	-
							K	●	-	-	-
							N	●	-	-	-
							S	o	-	-	-
							H	-	-	-	-

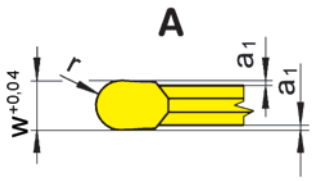
Plaquette amovible
Inserto

312









Nuance
Leghe

▲ en stock
a stock

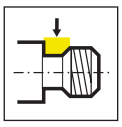
Δ 4 semaines
4 settimane

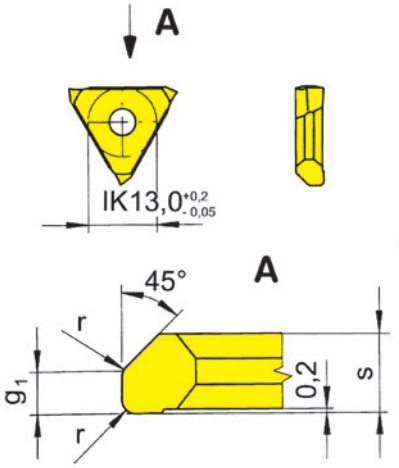
Numéro de commande Codice prodotto	w	r	a_1	HIS		P20	AS45	EG35	EG55	TN32
312.0050.02	0,5	0,25	0,07	31201N		▲	▲	▲		▲
312.0100.05	1	0,5	0,09	31201N		▲	▲	▲		▲
312.0110.05	1,1	0,55	0,09	31201N			▲		Δ	
312.0120.06	1,2	0,6	0,2	31201N		▲	▲		▲	▲
312.0140.07	1,4	0,7	0,2	31201N			▲		▲	
312.0160.08	1,6	0,8	0,25	31201N		▲	▲		▲	▲
312.0180.09	1,8	0,9	0,25	31201N			▲		▲	
312.0200.10	2	1	0,25	31201N		▲	▲		▲	▲
312.0220.11	2,2	1,1	0,25	31202N			▲		▲	
312.0250.12	2,5	1,25	0,25	31202N		▲	▲		Δ	▲
312.0280.14	2,8	1,4	0,25	31202N			▲		Δ	
312.0300.15	3	1,5	0,25	31202N		▲	▲		▲	▲
312.0360.18	3,6	1,8	0,25	31203N			▲		Δ	
312.0400.20	4	2	0,25	31203N		▲	▲		Δ	▲
					P	●	●	●	●	●
					M	-	●	●	o	-
					K	-	●	o	o	-
					N	-	o	-	-	-
					S	-	●	-	-	-
					H	-	-	-	-	-

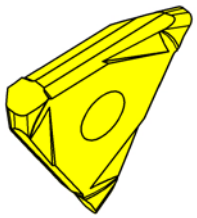
Largeur de gorge supérieur à 1,6 mm uniquement recommandé pour de la gorge
Larghezza gola fino a 1,6 mm consigliata solo in esecuzione gole

Plaquette amovible
Inserto

312







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

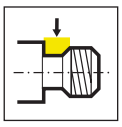
Numéro de commande Codice prodotto	P	r	t_1	s	g_1	g_2	HIS	P20	EG55	TN35
R312.1050.17	0,5	0,2	0,4	1,7	0,6	1	31201N • 31201R	Δ	▲	▲
R312.1060.17	0,6	0,4	0,5	1,7	0,7	1,2	31201N • 31201R	Δ	Δ	Δ
R312.1070.17	0,7	0,4	0,55	1,7	0,85	1,4	31201N • 31201R	Δ	Δ	Δ
R312.1080.27	0,8	0,4	0,65	2,7	0,95	1,6	31202N • 31202R	Δ	▲	▲
R312.1100.27	1	0,6	0,8	2,7	1,2	2	31202N • 31202R	Δ	▲	▲
R312.1125.27	1,25	0,6	1	2,7	1,5	2,5	31202N • 31202R	Δ	▲	▲
R312.1150.37	1,5	0,8	1,15	3,7	1,85	3	31203N • 31203R	Δ	▲	▲
R312.1175.37	1,75	1	1,3	3,7	2,2	3,5	31203N • 31203R	Δ	Δ	Δ
R312.1200.53	2	1	1,5	5,3	2,5	4	31204N • 31204R	▲	Δ	Δ
R312.1250.53	2,5	1,2	1,8	5,3	3,2	5	31204N • 31204R	Δ	Δ	Δ
R312.1300.63	3	1,6	2,2	6,3	3,8	6	31204N • 31204R	Δ	Δ	Δ
L312.1050.17	0,5	0,2	0,4	1,7	0,6	1	31201N • 31201L	Δ	Δ	Δ
L312.1060.17	0,6	0,4	0,5	1,7	0,7	1,2	31201N • 31201L	Δ	Δ	Δ
L312.1070.17	0,7	0,4	0,55	1,7	0,85	1,4	31201N • 31201L	Δ	Δ	Δ
L312.1080.27	0,8	0,4	0,65	2,7	0,95	1,6	31202N • 31202L	Δ	Δ	▲
L312.1100.27	1	0,6	0,8	2,7	1,2	2	31202N • 31202L	Δ	Δ	Δ
L312.1125.27	1,25	0,6	1	2,7	1,5	2,5	31202N • 31202L	Δ	Δ	▲
L312.1150.37	1,5	0,8	1,15	3,7	1,85	3	31203N • 31203L	Δ	Δ	Δ
L312.1175.37	1,75	1	1,3	3,7	2,2	3,5	31203N • 31203L	Δ	Δ	Δ
L312.1200.53	2	1	1,5	5,3	2,5	4	31204N • 31204L	Δ	Δ	Δ
L312.1250.53	2,5	1,2	1,8	5,3	3,2	5	31204N • 31204L	Δ	Δ	Δ
L312.1300.63	3	1,6	2,2	6,3	3,8	6	31204N • 31204L	Δ		Δ

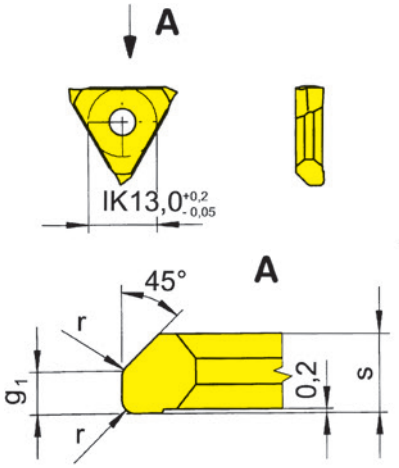
Gorge pour Filetage suivant DIN 76 forme B
Gole scarico filetto secondo DIN 76 forma B

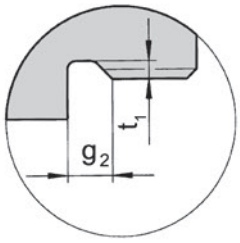
P	●	●	●
M	-	o	●
K	-	o	●
N	-	-	●
S	-	-	●
H	-	-	-

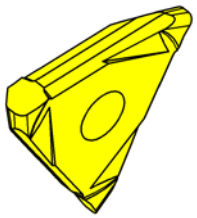
Plaquette amovible
Inserto

312









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	P	r	t_1	s	g_1	g_2	HIS	EG55	TN35
R312.3050.17	0,5	0,2	0,4	1,7	1,1	1,5	31201N • 31201R	Δ	Δ
R312.3060.27	0,6	0,4	0,5	2,7	1,3	1,8	31202N • 31202R		▲
R312.3070.27	0,7	0,4	0,55	2,7	1,55	2,1	31202N • 31202R		Δ
R312.3080.27	0,8	0,4	0,65	2,7	1,75	2,4	31202N • 31202R	Δ	Δ
R312.3100.37	1	0,6	0,8	3,7	2,2	3	31203N • 31203R	▲	▲
R312.3125.53	1,25	0,6	1	5,3	2,8	3,8	31204N • 31204R	Δ	Δ
R312.3150.53	1,5	0,8	1	5,3	3,35	4,5	31204N • 31204R	▲	▲
R312.3175.56	1,75	1	1,3	5,6	4	5,3	31204N • 31204R	Δ	Δ
R312.3200.63	2	1	1,5	6,3	4,5	6	31204N • 31204R	Δ	Δ
L312.3050.17	0,5	0,2	0,4	1,7	1,1	1,5	31201N • 31201L	Δ	Δ
L312.3060.27	0,6	0,4	0,5	2,7	1,3	1,8	31202N • 31202L	▲	Δ
L312.3070.27	0,7	0,4	0,55	2,7	1,55	2,1	31202N • 31202L	Δ	Δ
L312.3080.27	0,8	0,4	0,65	2,7	1,75	2,4	31202N • 31202L	Δ	Δ
L312.3100.37	1	0,6	0,8	3,7	2,2	3	31203N • 31203L	Δ	Δ
L312.3125.53	1,25	0,6	1	5,3	2,8	3,8	31204N • 31204L	Δ	Δ
L312.3150.53	1,5	0,8	1	5,3	3,35	4,5	31204N • 31204L		Δ
L312.3175.56	1,75	1	1,3	5,6	4	5,3	31204N • 31204L	Δ	Δ
L312.3200.63	2	1	1,5	6,3	4,5	6	31204N • 31204L	Δ	Δ

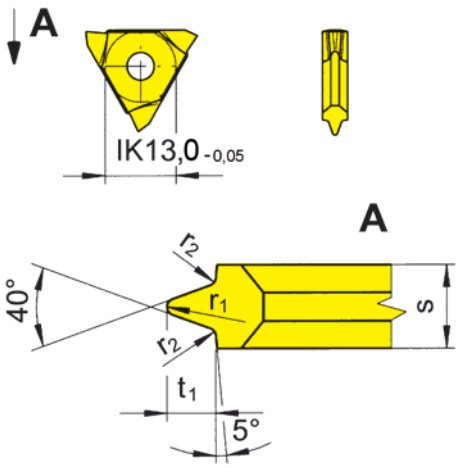
Gorge pour Filetage suivant DIN 76 forme A
Gole scarico filetto secondo DIN 76 forma A

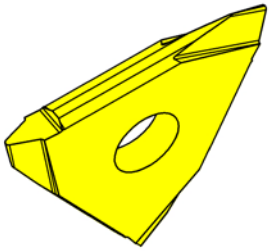
P	●	●
M	o	●
K	o	●
N	-	●
S	-	●
H	-	-

Plaquette amovible
Inserto

312







Nuance
Leghe

▲ en stock
a stock

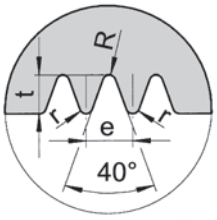
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	r_2	t_1	s	r_1	HIS	P20	EG52	TN32
312.0223.23	0,2	2,3	2,34	0,25	31202N	Δ	▲	Δ
312.0223.30	0,2	2,3	3	0,25	31203N	▲	▲	▲

P	●	●	●
M	-	o	-
K	-	-	-
N	-	-	-
S	-	-	-
H	-	-	-

Plaquette 312.0223.23 pour multi gorge Plaquette 312.0223.30 pour gorge simple
Inserto 312.0223.23 per gole multiple Inserto 312.0223.30 per gole singole

Forme de gorge:
Gorges poly V profil „J"
Forma della gola:
Forma gola Poly-V profilo „J"

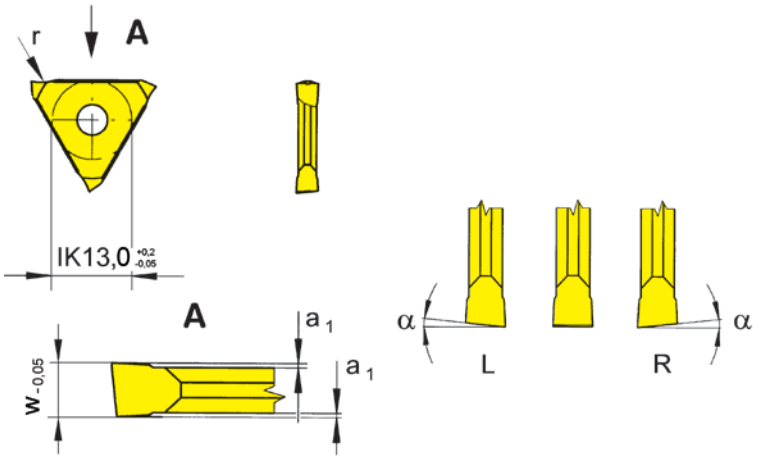


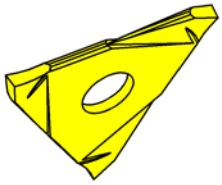
e	t		R		r
±0,25	max	min	max	min	
2,34	2,34	2,08	0,38	0,25	0,2

Plaquette amovible
Inserto

312

.00





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

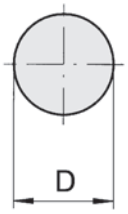
Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

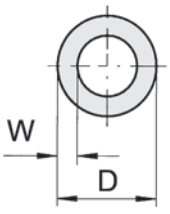
Numéro de commande Codice prodotto	w	α	a_1	HIS	EG35	TF45	TF46	TI25	TN35
R312.0614.00	1,44	6°	0,2	31201N	▲	▲	▲	▲	▲
L312.0614.00	1,44	6°	0,2	31201N	▲	▲	Δ	▲	▲
P					●	●	●	●	●
M					●	●	o	●	●
K					o	●	●	●	●
N					-	●	●	●	●
S					-	●	o	●	●
H					-	-	-	-	-

Tronçonnage de barre
Troncatura di barre piene



D jusqu'à/fino a 11 mm

Tronçonnage de tube
Troncatura di tubi

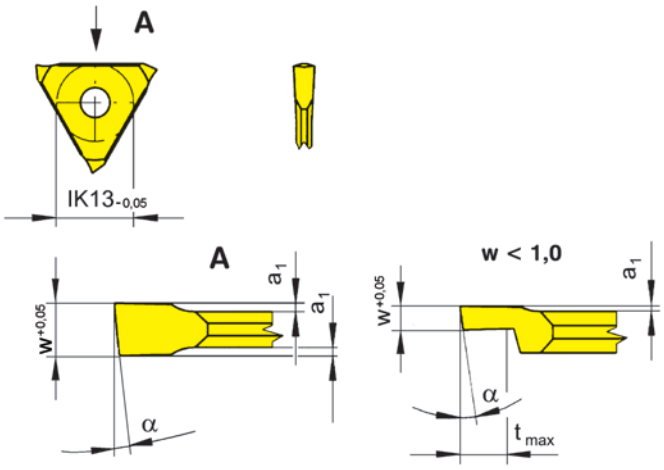


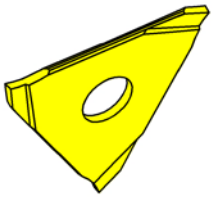
D ≥50 jusqu'à/fino a W≈5 mm
D≤ 50 jusqu'à/fino a W≈4 mm

Plaquette amovible
Inserto

312

.00





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

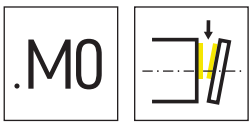
▲ en stock
a stock

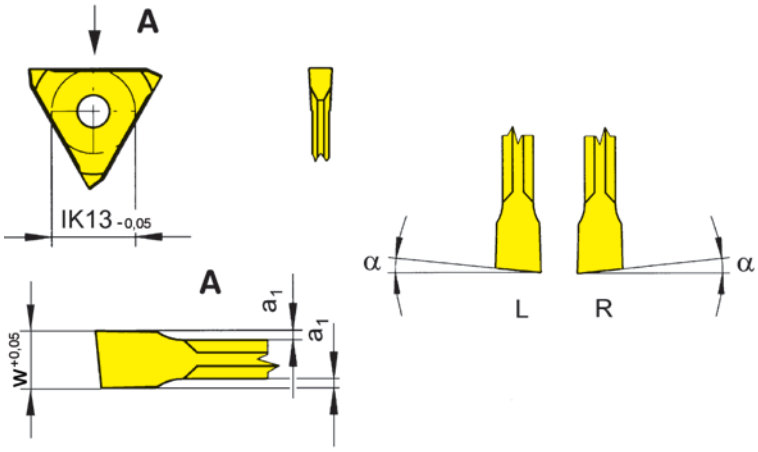
Δ 4 semaines
4 settimane

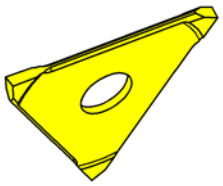
Nuance
Leghe

Numéro de commande Codice prodotto	w	t_{max}	α	a_1	HIS	EG35	TF45
R312.0805.00	0,5	1	8°	0,1	31208N	▲	▲
R312.0808.00	0,8	1,5	8°	0,1	31208N	▲	▲
R312.0510.00	1	8	5°	0,1	31208N	▲	▲
R312.1210.00	1	8	12°	0,1	31208N	▲	▲
R312.0512.00	1,2	8	5°	0,2	31208N	▲	▲
R312.0515.00	1,5	8	5°	0,2	31211N	▲	▲
L312.0805.00	0,5	1	8°	0,1	31208N	▲	▲
L312.0808.00	0,8	1,5	8°	0,1	31208N	▲	▲
L312.0510.00	1	8	5°	0,1	31208N	▲	▲
L312.1210.00	1	8	12°	0,1	31208N	▲	▲
L312.0512.00	1,2	8	5°	0,2	31208N	▲	▲
L312.0515.00	1,5	8	5°	0,2	31211N	▲	▲

P	●	●
M	●	●
K	o	●
N	-	●
S	-	●
H	-	-







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

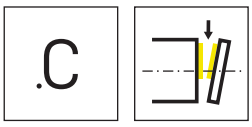
Δ 4 semaines
4 settimane

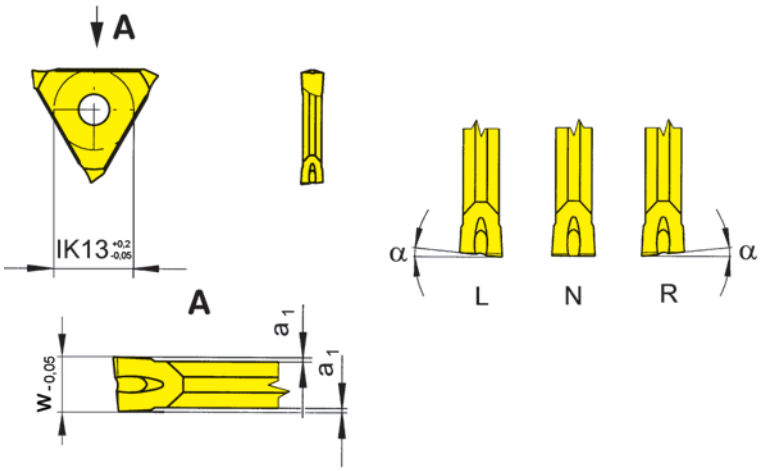
Nuance
Leghe

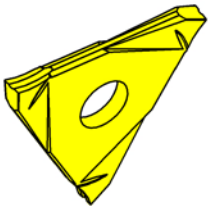
Numéro de commande Codice prodotto	w	t_{max}	α	a_1	HIS	EG35	TF45
R312.0512.M0	1,2	8	5°	0,2	31208N	▲	▲
R312.0515.M0	1,5	8	5°	0,2	31211N	▲	▲
L312.0512.M0	1,2	8	5°	0,2	31208N		▲
L312.0515.M0	1,5	8	5°	0,2	31211N	Δ	▲
						P ●	●
						M ●	●
						K o	●
						N -	●
						S -	●
						H -	-

Plaquette amovible
Inserto

312







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

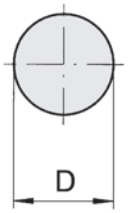
Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

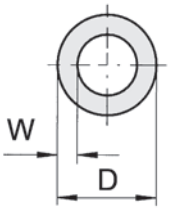
Numéro de commande Codice prodotto	w	α	a_1	HIS		P20	EG55	TF45	TN32	TN35
R312.0514.00	1,44	5°	0,2	31201N • 31202N • 31201R • 31202R		Δ	Δ	▲		
R312.0518.00	1,99	5°	0,2	31202N • 31202R		▲	▲		▲	▲
R312.0521.00	2,29	5°	0,2	31202N • 31202R		Δ	▲		▲	▲
L312.0514.00	1,44	5°	0,2	31201N • 31202N • 31201R • 31202R		Δ	Δ	Δ		
L312.0518.00	1,99	5°	0,2	31202N • 31202R		▲	▲		▲	▲
L312.0521.00	2,29	5°	0,2	31202N • 31202R		▲	Δ		▲	▲
N312.0014.00	1,44	0°	0,2	31202N			▲	▲		
N312.0018.00	1,99	0°	0,2	31202N			▲	▲	Δ	Δ
N312.0021.00	2,29	0°	0,2	31202N		Δ				▲
					P	●	●	●	●	●
					M	-	o	●	-	●
					K	-	o	●	-	●
					N	-	-	●	-	●
					S	-	-	●	-	●
					H	-	-	-	-	-

Tronçonnage de barre
Troncatura di barre piene



D jusqu'à/fino a 10 mm

Tronçonnage de tube
Troncatura di tubi



D ⩾50 jusqu'à/fino a W≈5 mm
D⩽ 50 jusqu'à/fino a W≈4 mm

P

315



Porte outils et plaquettes

Largeur de gorge 0,5 - 8 mm

Portainserto e inserti

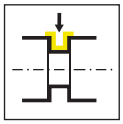
Larghezza della gola 0,5 - 8 mm

Gorge et Filetage
Gole e Filettatura

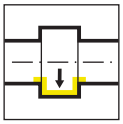
P

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 413-414

Porte outils
Portainserto
356/357/333

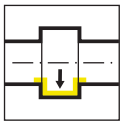


Page/Pag. 415-423



Page/Pag. 424

Cartouche
Cartuccia
357



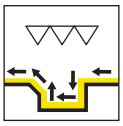
Page/Pag. 425

Dimensions de logement
Dimensione della sede
Page/Pag. 426

Plaquette amovible
Inserto
315/S315



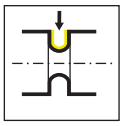
Page/Pag. 427-428



Page/Pag. 429



Page/Pag. 430



Page/Pag. 431



Page/Pag. 433



Page/Pag. 434



Page/Pag. 435

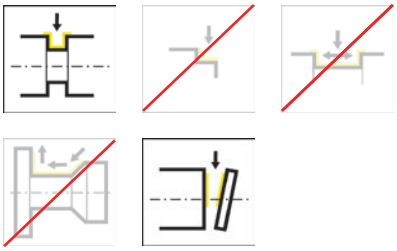
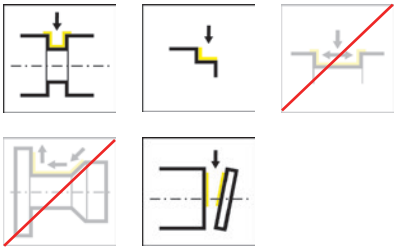
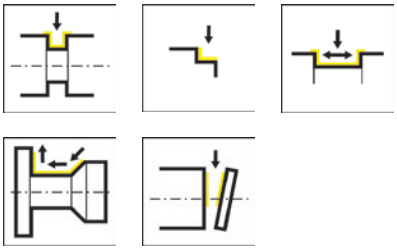
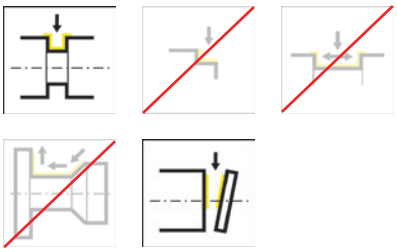
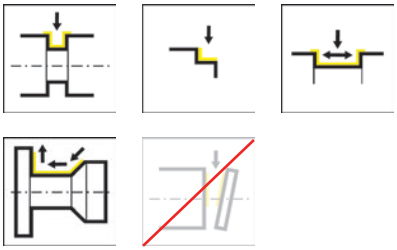


Page/Pag. 436

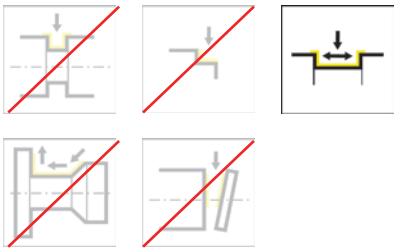
Dimensions de base
Dimensioni di base
Page/Pag. 432

Géométries et avances
Geometrie e avanzamenti

P

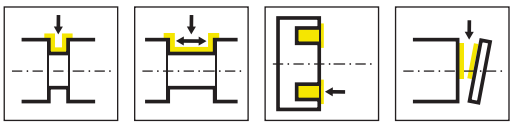
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.00	P M K N S H	0,02-0,12	
.EN	P M K N S H	0,10-0,45	
.FL	P M K N S H	0,03-0,15	
.FY	P M K N S H	0,03-0,15	
.L	P M K N S H	0,10-0,22 0,05-0,20	

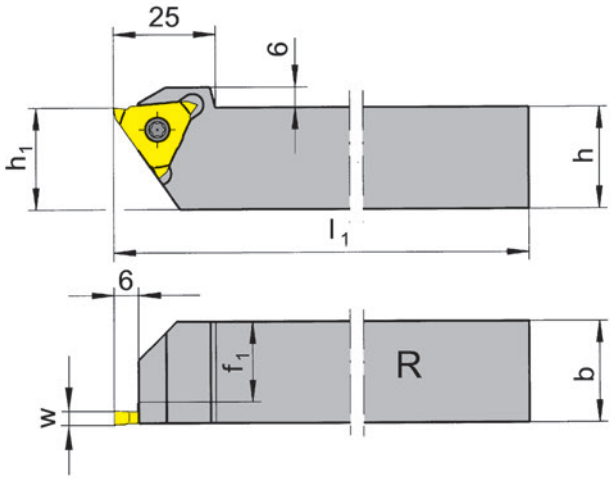
P

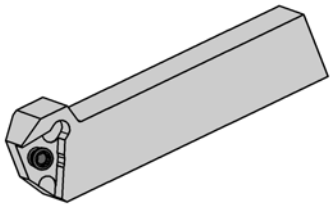
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.FB	P M K N S H	↓ 0,02-0,10 ↔ 0,0015-0,07	

Porte outils
Portainserto

356







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	HWS
R356.1212.03	12	12	100	20	9	31503R
R356.1616.03	16	16	125	20	13	31503R
R356.2020.03	20	20	125	20	17	31503R
R356.2525.03	25	25	150	25	22	31503R
R356.3232.03	32	32	170	32	29	31503R
R356.1212.05	12	12	100	20	6,8	31505R
R356.1616.05	16	16	125	20	10,8	31505R
R356.2020.05	20	20	125	20	14,8	31505R
R356.2525.05	25	25	150	25	19,8	31505R
R356.3232.05	32	32	170	32	26,8	31505R
R356.2020.07	20	20	125	20	13	31507R
R356.2525.07	25	25	150	25	18	31507R
R356.3232.07	32	32	170	32	25	31507R
L356.1212.03	12	12	100	20	9	31503L
L356.1616.03	16	16	125	20	13	31503L
L356.2020.03	20	20	125	20	17	31503L
L356.2525.03	25	25	150	25	22	31503L
L356.3232.03	32	32	170	32	29	31503L
L356.1212.05	12	12	100	20	6,8	31505L
L356.1616.05	16	16	125	20	10,8	31505L
L356.2020.05	20	20	125	20	14,8	31505L
L356.2525.05	25	25	150	25	19,8	31505L
L356.3232.05	32	32	170	32	26,8	31505L
L356.2020.07	20	20	125	20	13	31507L
L356.2525.07	25	25	150	25	18	31507L
L356.3232.07	32	32	170	32	25	31507L

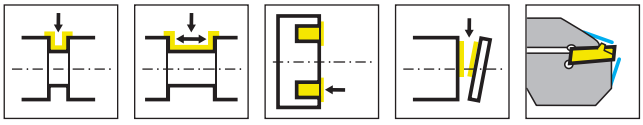
w voir plaquettes amovibles
w vd. inserti

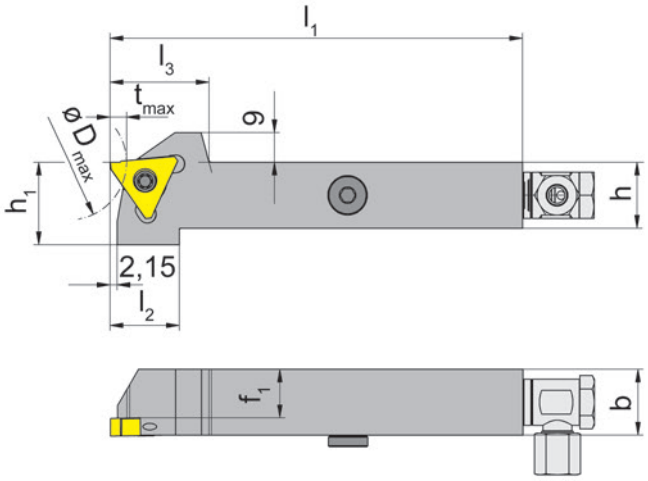
Pièces Détachées
Ricambi

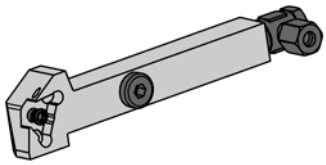
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L356.1212.03	**5.10T20P**	**T20PQ**
R/L356...05/...1616.03	**5.12T20P**	**T20PQ**
R/L356.1212.05	**030.511P.1176**	**T20PQ**
R/L356...07	**5.15T20P**	**T20PQ**

Porte outils
Portainserto

356







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

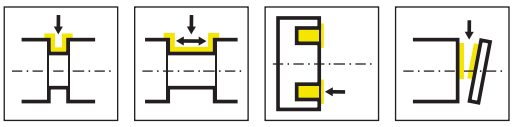
Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	HWS
R356.1616.0.13.IK	16	16	125	22	28	21	13	31503R
R356.2020.0.13.IK	20	20	125	21	30	25	17	31503R
R356.2525.0.13.IK	25	25	150	21	30	30	22	31503R
R356.1616.0.15.IK	16	16	125	22	28	21	10,8	31505R
R356.2020.0.15.IK	20	20	125	21	30	25	14,8	31505R
R356.2525.0.15.IK	25	25	150	21	30	30	19,8	31505R
L356.1616.0.13.IK	16	16	125	22	28	21	13	31503L
L356.2020.0.13.IK	20	20	125	21	30	25	17	31503L
L356.2525.0.13.IK	25	25	150	21	30	30	22	31503L
L356.1616.0.15.IK	16	16	125	22	28	21	10,8	31505L
L356.2020.0.15.IK	20	20	125	21	30	25	14,8	31505L
L356.2525.0.15.IK	25	25	150	21	30	30	19,8	31505L

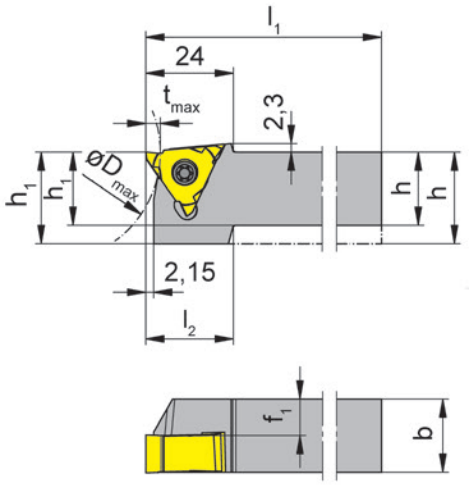
Profondeur de gorge par rapport au ø de la pièce
Profondità gola in funzione al ø del pezzo in lavorazione

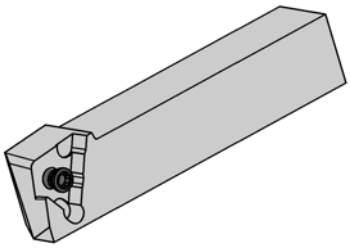
Dmax	tmax
35	5
50	4,5
75	4
125	3,5
200	3

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Arrosage** Lubrificazione	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/L356...	**5.12T20P**	**004.00.16**	**T20PQ**	**004.00.26**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

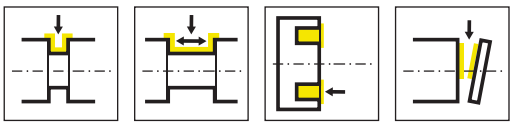
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	HWS
R356.1616.13	16	16	125	21	20	13	31503R
R356.2020.13	20	20	125	-	20	17,1	31503R
R356.2525.13	25	25	150	-	25	22,1	31503R
R356.1616.15	16	16	125	21	20	10,8	31505R
R356.2020.15	20	20	125	21	20	14,8	31505R
R356.2525.15	25	25	150	-	25	19,8	31505R
R356.1616.16	16	16	125	-	20	10	31506R
R356.2020.16	20	20	125	21	25	14	31506R
R356.2525.16	25	25	150	-	25	19	31506R
R356.2020.17	20	20	125	21	25	13	31507R
R356.2525.17	25	25	150	-	25	18	31507R
R356.2020.10	20	20	125	21	25	10	31510R
L356.1616.13	16	16	125	21	20	13	31503L
L356.2020.13	20	20	125	-	20	17,1	31503L
L356.2525.13	25	25	150	-	25	22,1	31503L
L356.1616.15	16	16	125	21	20	10,8	31505L
L356.2020.15	20	20	125	21	20	14,8	31505L
L356.2525.15	25	25	150	-	25	19,8	31505L
L356.1616.16	16	16	125	-	20	10	31506L
L356.2020.16	20	20	125	21	25	14	31506L
L356.2525.16	25	25	150	-	25	19	31506L
L356.2020.17	20	20	125	21	25	13	31507L
L356.2525.17	25	25	150	-	25	18,1	31507L
L356.2020.10	20	20	125	21	25	10	31510L

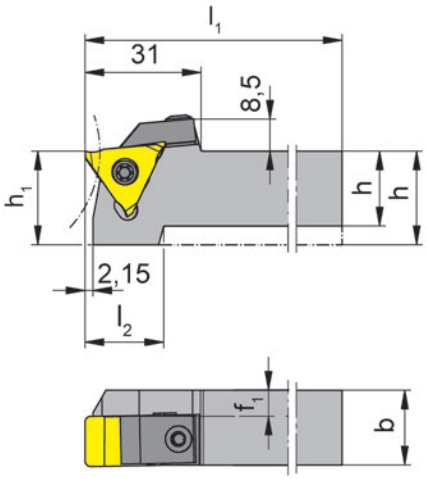
Pièces Détachées
Ricambi

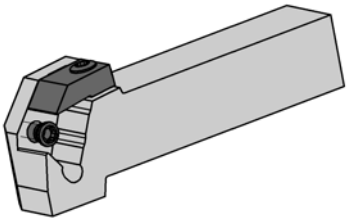
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L356...13/...15/...1616.16	**5.12T20P**	**T20PQ**
R/L356....10/...16/...17	**5.15T20P**	**T20PQ**

Profondeur de gorge par rapport au ø de la pièce
Profondità gola in funzione al ø del pezzo in lavorazione

Dmax	tmax
35	5
50	4,5
75	4
125	3,5
200	3







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

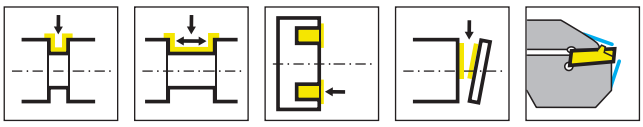
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	HWS
R356.2020.2.13	20	20	125	21	25	7	31513R
R356.2525.2.13	25	25	150	-	25	12	31513R
L356.2020.2.13	20	20	125	21	25	7	31513L
L356.2525.2.13	25	25	150	-	25	12	31513L

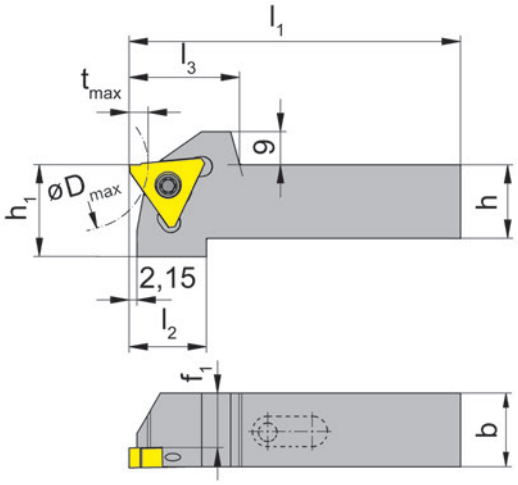
Profondeur de gorge par rapport au ø de la pièce
Depth of groove in relation to outer ø

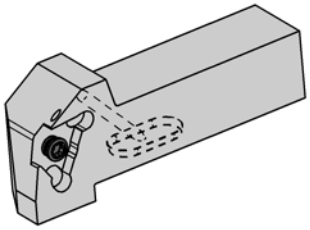
Dmax	tmax
30	5
40	4,5
60	4
115	3,5
185	3

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L356.2020.2.13	**5.12T20P**	**010.2013.0468**	**T20PQ**
R/L356.2525.2.13	**5.15T20P**	**010.2013.0468**	**T20PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	HWS
R356.1616.2.13.IK	16	16	75	22	28	21	13	31503R
R356.2020.2.13.IK	20	20	90	21	30	25	17	31503R
R356.2525.2.13.IK	25	25	105	21	30	30	22	31503R
R356.1616.2.15.IK	16	16	75	22	28	21	10,8	31505R
R356.2020.2.15.IK	20	20	90	21	30	25	14,8	31505R
R356.2525.2.15.IK	25	25	105	21	30	30	19,8	31505R
L356.1616.2.13.IK	16	16	75	22	28	21	13	31503L
L356.2020.2.13.IK	20	20	90	21	30	25	17	31503L
L356.2525.2.13.IK	25	25	105	21	30	30	22	31503L
L356.1616.2.15.IK	16	16	75	22	28	21	10,8	31505L
L356.2525.2.15.IK	25	25	105	21	30	30	19,8	31505L

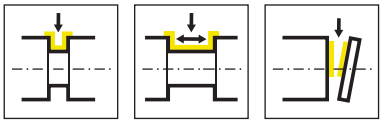
w voir plaquettes amovibles
w vd. inserti

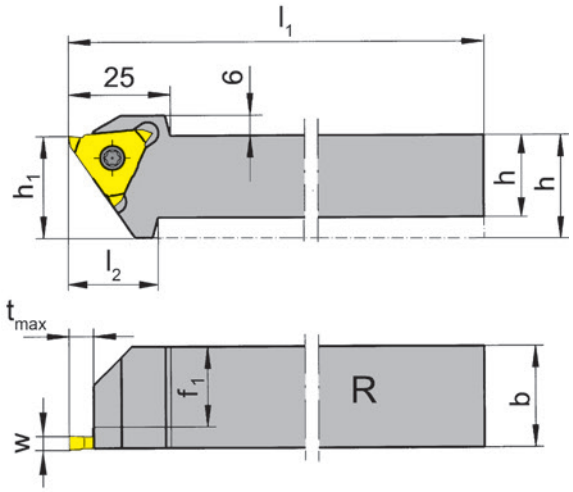
Profondeur de gorge par rapport au ø de la pièce
Profondità gola in funzione al ø del pezzo in lavorazione

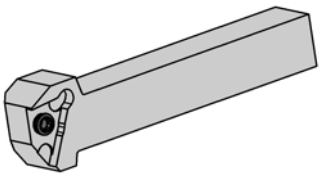
Dmax	tmax
35	5
50	4,5
75	4
125	3,5
200	3

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L356...	**5.12T20P**	**T20PQ**







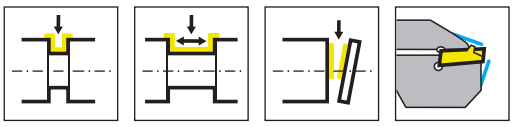
R = version à droite représentée
R = versione destra come in figura

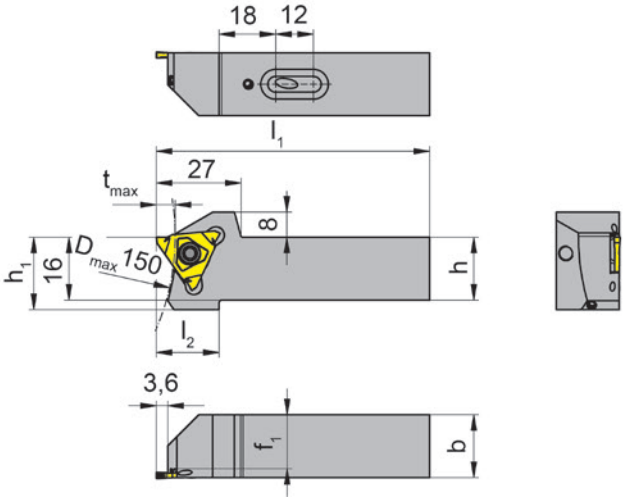
L = version à gauche
L = versione sinistra a specchio

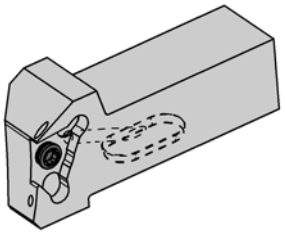
Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	t_{max}	HWS
R356.1212.S.03	12	12	100	20	25	20	9,2	5,5	S31503R
R356.1616.S.03	16	16	125	20	25	20	13,2	5,5	S31503R
R356.2020.S.03	20	20	125	-	25	20	17,2	5,5	S31503R
R356.2525.S.03	25	25	150	-	25	25	22,2	5,5	S31503R
L356.1212.S.03	12	12	100	20	25	20	9,2	5,5	S31503L
L356.1616.S.03	16	16	125	20	25	20	13,2	5,5	S31503L
L356.2020.S.03	20	20	125	-	25	20	17,2	5,5	S31503L
L356.2525.S.03	25	25	150	-	25	25	22,2	5,5	S31503L

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L356.1212.S.03	**5.10T20P**	**T20PQ**
R/L356...	**5.12T20P**	**T20PQ**







R = version à droite représentée
R = versione destra come in figura

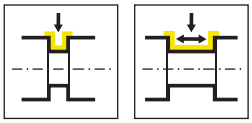
L = version à gauche
L = versione sinistra a specchio

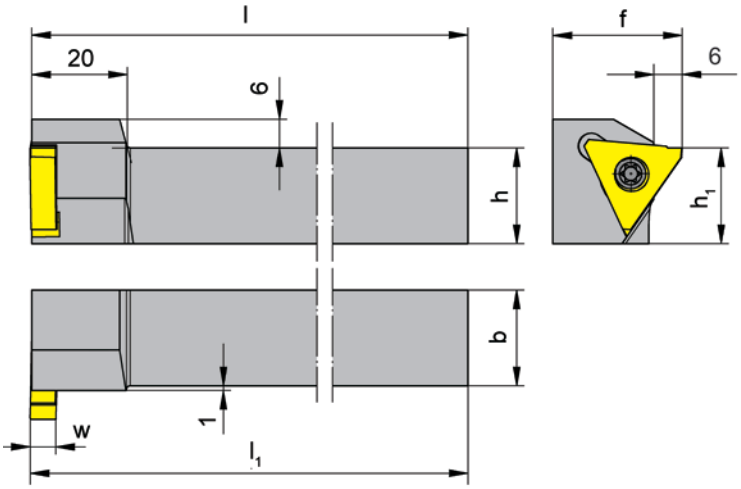
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	t_{max}	HWS
R356.2020.S.4.03.IK	20	20	87	20	23	17,2	6	S31503R
R356.2525.S.4.03.IK	25	25	104	20	28	22,2	6	S31503R
R356.1616.S.6.03.IK	16	16	125	20	23	13,2	6	S31503R
R356.2020.S.6.03.IK	20	20	125	20	23	17,2	6	S31503R
L356.1616.S.6.03.IK	16	16	125	20	23	13,2	6	S31503L
L356.2020.S.6.03.IK	20	20	125	20	23	17,2	6	S31503L
L356.2020.S.4.03.IK	20	20	87	20	23	17,2	6	S31503L
L356.2525.S.4.03.IK	25	25	104	20	28	22,2	6	S31503L

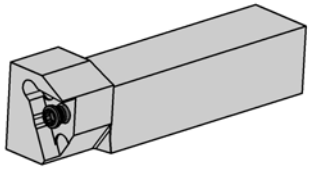
...S.4.03.IK = Arrivée de liquide de refroidissement par trou oblong du VDI
...S.6.03.IK = Arrivée de liquide de refroidissement via un raccord vissé G1/8''
...S.6.03.IK = Adduzione del refrigerante attraverso i raccordi
...S.4.03.IK = Aadduzione del refrigerante attraverso asola inferiore G1/8''

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Arrosage** Lubrificazione	**Vis** Vite
R/L356...S.4.03.IK	**5.12T20P**	**T20PQ**		
R/L356...S.6.03.IK	**5.12T20P**	**T20PQ**	**004.00.16**	**004.00.26**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

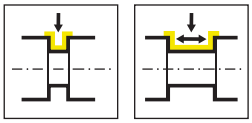
Numéro de commande Codice prodotto	h	b	l_1	l	h_1	f	HWS
R357.2020.05	20	20	125,3	125	20	27	31505L
R357.2525.05	25	25	150,3	150	25	32	31505L
L357.2020.05	20	20	125,3	125	20	27	31505R
L357.2525.05	25	25	150,3	150	25	32	31505R

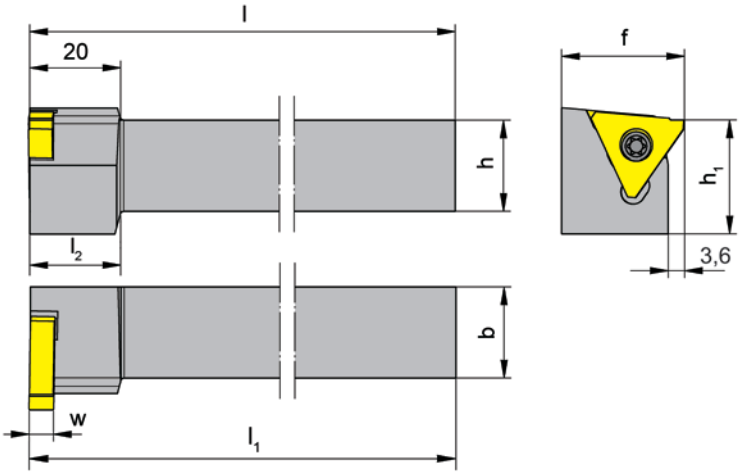
w voir plaquettes amovibles
w vd. inserti

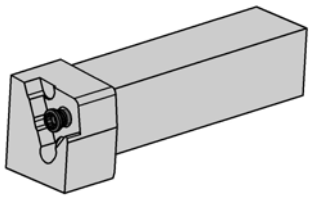
Note:
Utilisez des plaquettes à droite avec des porte outils à gauche et des plaquettes à gauche avec des porte outils à droite
Nota:
Utilizzare inserto destro su portainserto sinistro e inserto sinistro su portainserto destro.

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L357...	**5.12T20P**	**T20PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

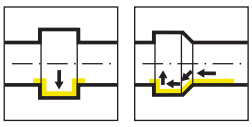
Numéro de commande Codice prodotto	h	b	l_1	l	l_2	h_1	f	HWS
R357.2020.15	20	20	125,3	125	20	25	27	31505L
R357.2525.15	25	25	150,3	150	-	25	32	31505L
L357.2020.15	20	20	125,3	125	20	25	27	31505R
L357.2525.15	25	25	150,3	150	-	25	32	31505R

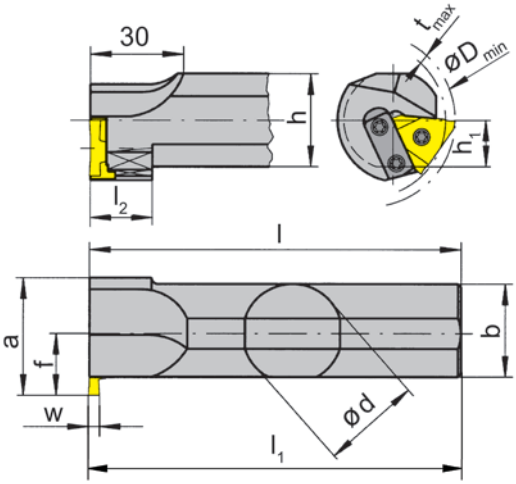
w voir plaquettes amovibles
w vd. inserti

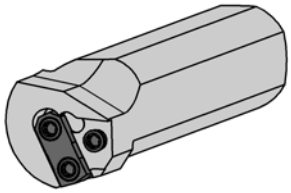
Note:
Utilisez des plaquettes à droite avec des porte outils à gauche et des plaquettes à gauche avec des porte outils à droite
Nota:
Utilizzare inserto destro su portainserto sinistro e inserto sinistro su portainserto destro.

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L357...	**5.12T20P**	**T20PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l	l_1	l_2	h	a	h_1	f	D_{min}	b	HWS
R333.0025.03	25	170	170,3	20	23	38	11,5	20	43	25	31503L
R333.0032.03	32	200	200,3	20	30	38	15	20	43	30	31503L
R333.0025.05	25	170	170,3	20	23	38	11,5	20	43	25	31505L
R333.0032.05	32	200	200,3	20	30	38	15	20	43	30	31505L
R333.0040.05	40	250	250,3	-	38	44	19	24	45	38	31505L
L333.0025.03	25	170	170,3	20	23	38	11,5	20	43	25	31503R
L333.0032.03	32	200	200,3	20	30	38	15	20	43	30	31503R
L333.0025.05	25	170	170,3	20	23	38	11,5	20	43	25	31505R
L333.0032.05	32	200	200,3	20	30	38	15	20	43	30	31505R
L333.0040.05	40	250	250,3	-	38	44	19	24	45	38	31505R

w voir plaquettes amovibles
w vd. inserti

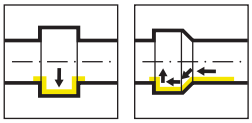
Note:
Utilisez des plaquettes à droite avec des porte outils à gauche et des plaquettes à gauche avec des porte outils à droite
Nota:
Utilizzare inserto destro su portainserto sinistro e inserto sinistro su portainserto destro.

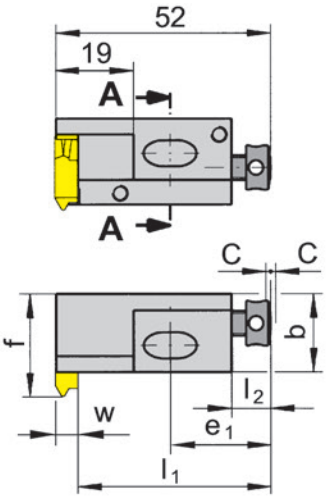
Profondeur de gorge selon le ø d'alésage
Profondità gola in funzione al ø del foro

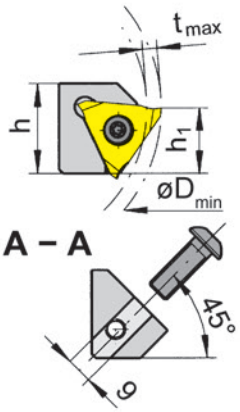
Dmin	tmax
43	1,8
46	2
50	3
60	4
80	4,5
100	5

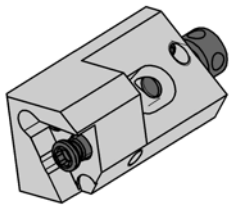
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L333...	**5.12T20P**	**T20PQ**









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	h_1	f	l_1	E_1	l_2	C	HWS	HMS
R357.1619.05	21	19	16	25	46,8	24	9	2	31505L	021001R
L357.1619.05	21	19	16	25	46,8	24	9	2	31505R	021001L

w voir plaquettes amovibles
w vd. inserti

Dimensions de logement voir pages suivantes
Per dimensioni sedi vedere pagine successive

Note:
Utilisez des plaquettes à droite avec des porte outils à gauche et des plaquettes à gauche avec des porte outils à droite
Nota:
Utilizzare inserto destro su portainserto sinistro e inserto sinistro su portainserto destro.

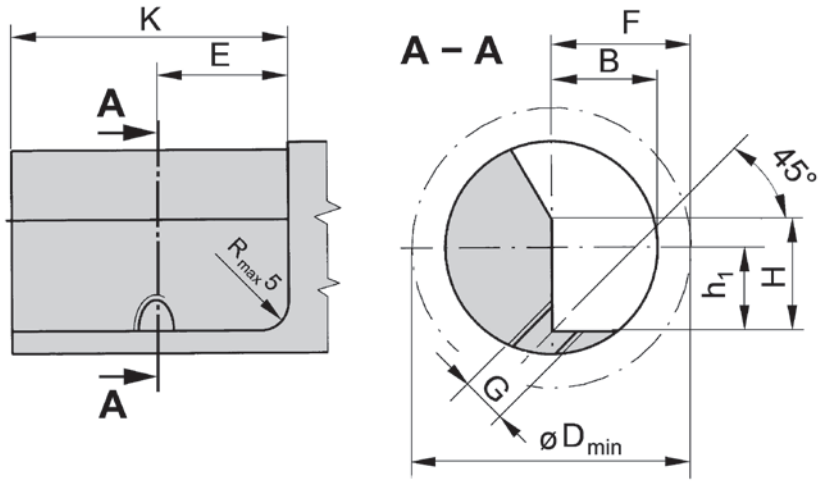
Profondeur de gorge selon le ø d'alésage
Profondità gola in funzione al ø del foro

Dmin	tmax
50	3
60	4
80	4,5
100	5

Pièces Détachées
Ricambi

Cartouche Cartuccia	**Vis de serrage** Vite di serraggio	**Vis** Vite	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L357.1619.05	**4.08.913**	**6.12.020**	**T20PQ**

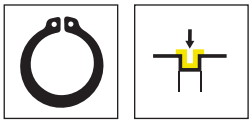
Dimensions de logement
Dimensione della sede

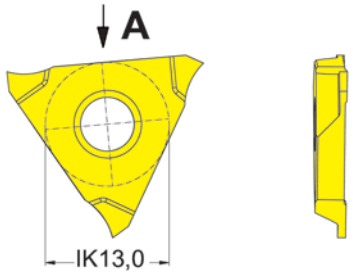


Cartouche Cartuccia	F	G	H	K	E	B	h_1	D_{min}	HWS	HMS	Vis de fixation Vite fissaggio
R/L357.1619.05	25	M8	21	50	24	19	16	50	31505R	021001L	8.25.351

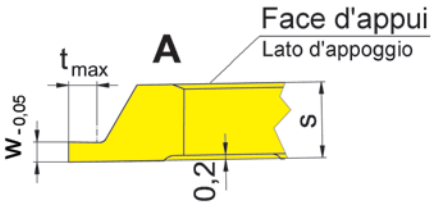
Plaquette amovible
Inserto

315









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	Nw	t_{max}	s	HIS		TN32
R315.0034.32.00	0,34	0,3	0,6	3,2	31503R		Δ
R315.0044.32.00	0,44	0,4	0,7	3,2	31503R		Δ
R315.0050.32.00	0,57	0,5	0,7	3,2	31503R		▲
R315.0060.32.00	0,67	0,6	0,8	3,2	31503R		Δ
R315.0070.32.00	0,77	0,7	1,1	3,2	31503R		▲
R315.0080.32.00	0,87	0,8	1,2	3,2	31503R		▲
R315.0090.32.00	0,97	0,9	1,4	3,2	31503R		Δ
R315.0100.32.00	1,07	1	1,6	3,2	31503R		▲
L315.0034.32.00	0,34	0,3	0,6	3,2	31503L		Δ
L315.0044.32.00	0,44	0,4	0,7	3,2	31503L		Δ
L315.0050.32.00	0,57	0,5	0,7	3,2	31503L		Δ
L315.0060.32.00	0,67	0,6	0,8	3,2	31503L		Δ
L315.0070.32.00	0,77	0,7	1,1	3,2	31503L		Δ
L315.0080.32.00	0,87	0,8	1,2	3,2	31503L		Δ
L315.0090.32.00	0,97	0,9	1,4	3,2	31503L		Δ
L315.0100.32.00	1,07	1	1,6	3,2	31503L		Δ

Usinage extér.
Plaquette à droite sur porte outil à droite 356, plaquette à gauche sur porte outil à gauche 356 utilisable
Lavorazione esterna:
356 - Montare inserto destro su portainserto destro e inserto sinistro su portainserto sinistro

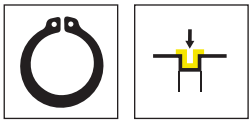
Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472

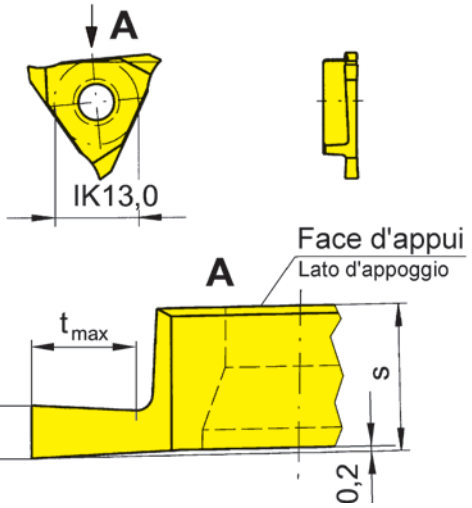
P	●
M	-
K	-
N	-
S	-
H	-

Plaquette amovible
Inserto

315

P







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	Nw	t_{max}	s	HIS	TN35
R315.0110.00	1,24	1,1	2	5,4	31505R	▲
R315.0130.00	1,44	1,3	2	5,4	31505R	▲
R315.0160.00	1,74	1,6	3	5,4	31505R	▲
R315.0185.00	1,99	1,85	3	5,4	31505R	▲
R315.0215.00	2,29	2,15	4	5,4	31505R	▲
R315.0265.00	2,79	2,65	4	5,4	31505R	▲
R315.0315.00	3,29	3,15	5	5,4	31505R	▲
R315.0415.00	4,29	4,15	5	5,4	31505R	▲
L315.0110.00	1,24	1,1	2	5,4	31505L	▲
L315.0130.00	1,44	1,3	2	5,4	31505L	▲
L315.0160.00	1,74	1,6	3	5,4	31505L	▲
L315.0185.00	1,99	1,85	3	5,4	31505L	▲
L315.0215.00	2,29	2,15	4	5,4	31505L	▲
L315.0265.00	2,79	2,65	4	5,4	31505L	▲
L315.0315.00	3,29	3,15	5	5,4	31505L	▲
L315.0415.00	4,29	4,15	5	5,4	31505L	▲

P	●
M	●
K	●
N	●
S	●
H	-

Usinage extér.
Plaquette à droite sur porte outil à droite 356, plaquette à gauche sur porte outil à gauche 356 utilisable
Lavorazione esterna:
356 - Montare inserto destro su portainserto destro e inserto sinistro su portainserto sinistro

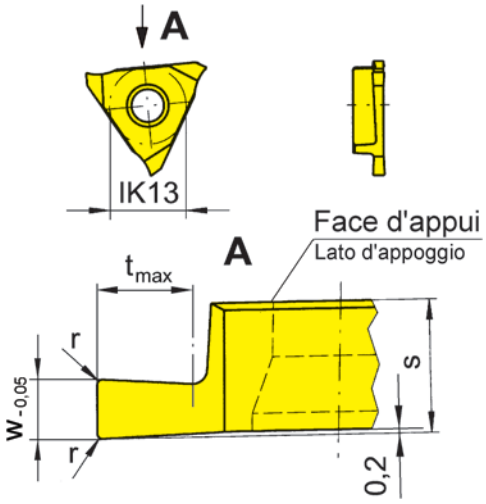
Usinage intér.
Plaquette à droite sur porte outil à gauche 333/357, plaquette à gauche sur porte outil à droite 333/357 utilisable
Lavorazione interna:
333/357 - Montare inserto destro su portainserto sinistro, inserto sinistro su portainserto destro.

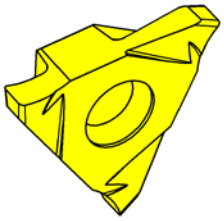
Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472

Plaquette amovible
Inserto

315







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	TN35
R315.0200.02	2	0,2	3	5,4	31505R	▲
R315.0200.04	2	0,4	3	5,4	31505R	▲
R315.0300.02	3	0,2	4	5,4	31505R	▲
R315.0300.04	3	0,4	4	5,4	31505R	▲
L315.0200.02	2	0,2	3	5,4	31505L	▲
L315.0200.04	2	0,4	3	5,4	31505L	Δ
L315.0300.02	3	0,2	4	5,4	31505L	▲
L315.0300.04	3	0,4	4	5,4	31505L	▲

P	●
M	●
K	●
N	●
S	●
H	-

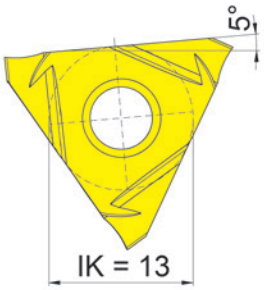
Usinage extér.
Plaquette à droite sur porte outil à droite 356, plaquette à gauche sur porte outil à gauche 356 utilisable
Lavorazione esterna:
356 - Montare inserto destro su portainserto destro e inserto sinistro su portainserto sinistro

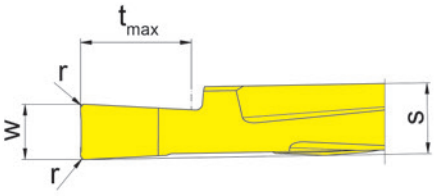
Usinage intér.
Plaquette à droite sur porte outil à gauche 333/357, plaquette à gauche sur porte outil à droite 333/357 utilisable
Lavorazione interna:
333/357 - Montare inserto destro su portainserto sinistro, inserto sinistro su portainserto destro.

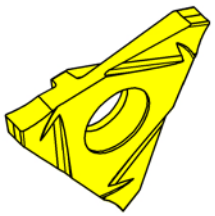
Plaquette amovible
Inserto

315

.FB







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	H20
R315.FB25.02	2,5	0,2	5	3,2	31503R	▲
R315.FB30.02	3	0,2	5	3,2	31503R	▲
L315.FB25.02	2,5	0,2	5	3,2	31503L	▲
L315.FB30.02	3	0,2	5	3,2	31503L	▲

P	●
M	o
K	-
N	-
S	-
H	-

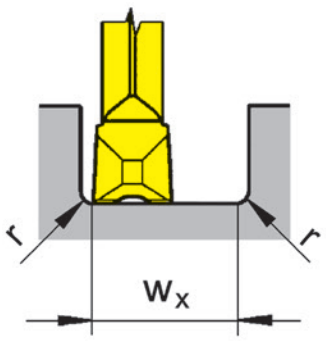
Calcul de la plus petite largeur de gorge possible w_x
Calcolo della larghezza di gola w_x più basso possibile

Exemple R315.FB30.02
Esempio

w_x = 2 x Largeur de gorge/Larghezza della gola w - 2 x Rayon d'angles plaque /Spigolo raggiato inserto r

w_x = 2 x 3 mm - 2 x 0,2 mm

w_x = 5,6 mm

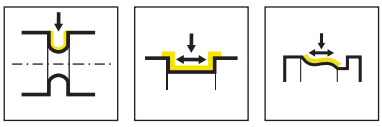


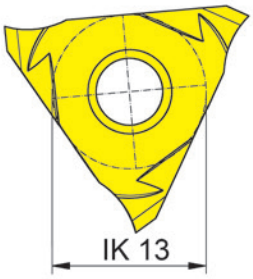
Déroulement du processus
Percorso di lavoro



Plaquette amovible
Inserto

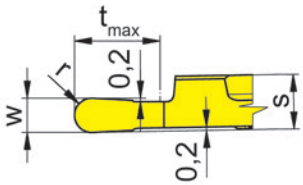
315











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	AS45
R315.0100.05	1	0,5	2,5	3,2	31503R	▲
R315.0120.06	1,2	0,6	3	3,2	31503R	▲
R315.0150.07	1,5	0,75	5	3,2	31503R	▲
R315.0160.08	1,6	0,8	5	3,2	31503R	▲
R315.0180.09	1,8	0,9	5	3,2	31503R	Δ
R315.0200.10	2	1	5	3,2	31503R	▲
R315.0220.11	2,2	1,1	5	3,2	31503R	Δ
R315.0250.12	2,5	1,25	5	3,2	31503R	▲
R315.0280.14	2,8	1,4	5	3,2	31503R	▲
R315.0300.15	3	1,5	5	3,2	31503R	▲
R315.0360.18	3,6	1,8	5	5,4	31505R	Δ
R315.0400.20	4	2	5	5,4	31505R	Δ
L315.0100.05	1	0,5	2,5	3,2	31503L	▲
L315.0120.06	1,2	0,6	3	3,2	31503L	▲
L315.0150.07	1,5	0,75	5	3,2	31503L	▲
L315.0160.08	1,6	0,8	5	3,2	31503L	Δ
L315.0180.09	1,8	0,9	5	3,2	31503L	Δ
L315.0200.10	2	1	5	3,2	31503L	▲
L315.0220.11	2,2	1,1	5	3,2	31503L	Δ
L315.0250.12	2,5	1,25	5	3,2	31503L	▲
L315.0280.14	2,8	1,4	5	3,2	31503L	Δ
L315.0300.15	3	1,5	5	3,2	31503L	Δ
L315.0360.18	3,6	1,8	5	5,4	31505L	Δ
L315.0400.20	4	2	5	5,4	31505L	Δ

P	●
M	●
K	●
N	o
S	●
H	-

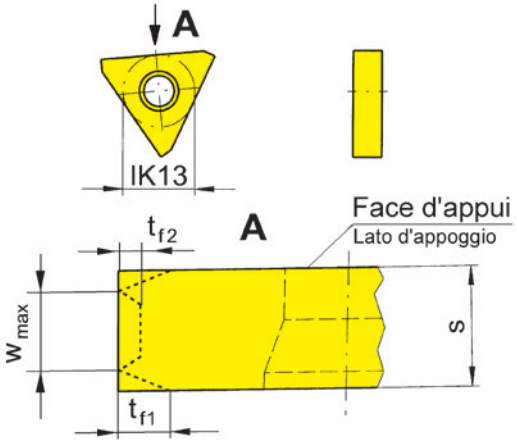
Usinage extér.
Plaquette à droite sur porte outil à droite 356, plaquette à gauche sur porte outil à gauche 356 utilisable
Lavorazione esterna:
356 - Montare inserto destro su portainserto destro e inserto sinistro su portainserto sinistro

Usinage intér.
Plaquette à droite sur porte outil à gauche 333/357, plaquette à gauche sur porte outil à droite 333/357 utilisable
Lavorazione interna:
333/357 - Montare inserto destro su portainserto sinistro, inserto sinistro su portainserto destro.

Largeur de gorge supérieur à 1,6 mm uniquement recommandé pour de la gorge
Larghezza gola fino a 1,6 mm consigliata solo in esecuzione gole

Dimensions de base
Dimensioni di base

P





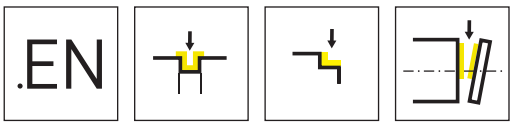
R = version à droite représentée
R = versione destra come in figura

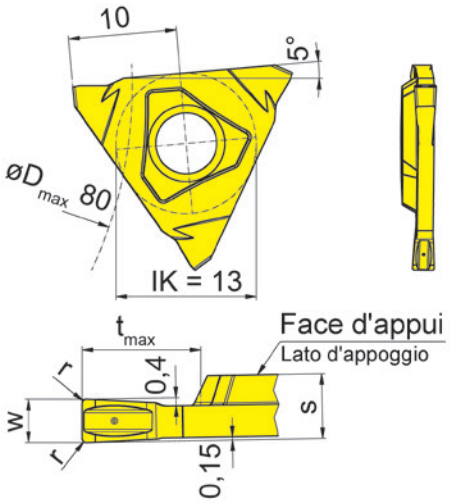
L = version à gauche
L = versione sinistra a specchio

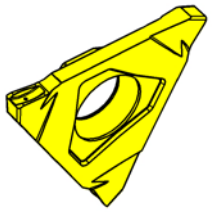
N° de commande Codice prodotto	W_{max}	t_{f1}	t_{f2}	s
R/L315...	3,05	5	-	3,25
R/L315...	5,25	5	2	5,45
R/L315...	5,9	5	2	6,1
R/L315...	6,4	5	2	6,6
R/L315...	6,9	5	2	7,1
R/L315...	7,3	5	2	7,5
R/L315...	8,3	5	2	8,5
R/L315...	9,3	5	2	9,5
R/L315...	10,3	5	2	10,5
R/L315...	13,3	5	2	13,5
R/L315...	15,3	5	2	15,5

Plaquette amovible
Inserto

S315







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

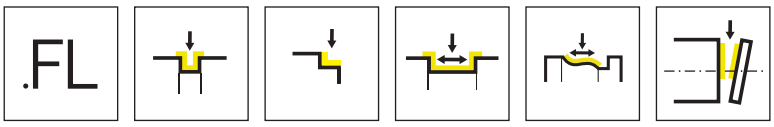
Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	EG5G
RS315.0200.EN2	2	0,2	5,5	3	S31503R	▲
LS315.0200.EN2	2	0,2	5,5	3	S31503L	▲

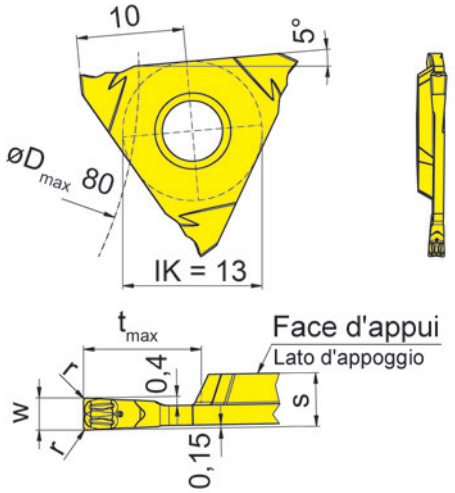
P	●
M	o
K	o
N	-
S	-
H	-

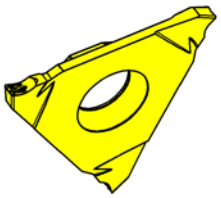
Plaquette amovible
Inserto

S315

P







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

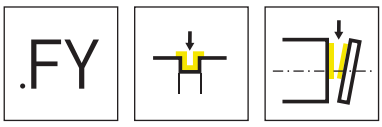
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	EG55
RS315.0150.FL15	1,5	0,15	5,5	2,5	S31503R	▲
LS315.0150.FL15	1,5	0,15	5,5	2,5	S31503L	▲

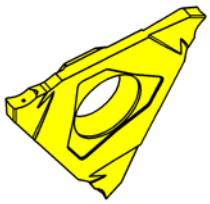
P	●
M	o
K	o
N	-
S	-
H	-

Plaquette amovible
Inserto

S315







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

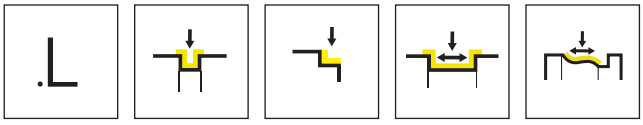
Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	EG55
RS315.0150.FY15	1,5	0,15	5,5	2,5	S31503R	▲
RS315.0200.FY2	2	0,2	5,5	3	S31503R	▲
LS315.0150.FY15	1,5	0,15	5,5	2,5	S31503L	▲
LS315.0200.FY2	2	0,2	5,5	3	S31503L	▲

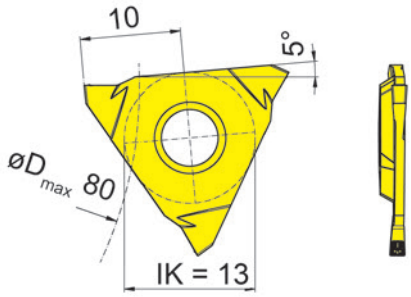
P	●
M	o
K	o
N	-
S	-
H	-

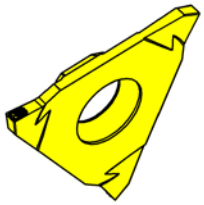
Plaquette amovible
Inserto

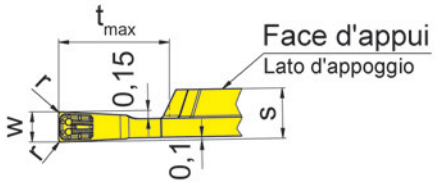
S315

P









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

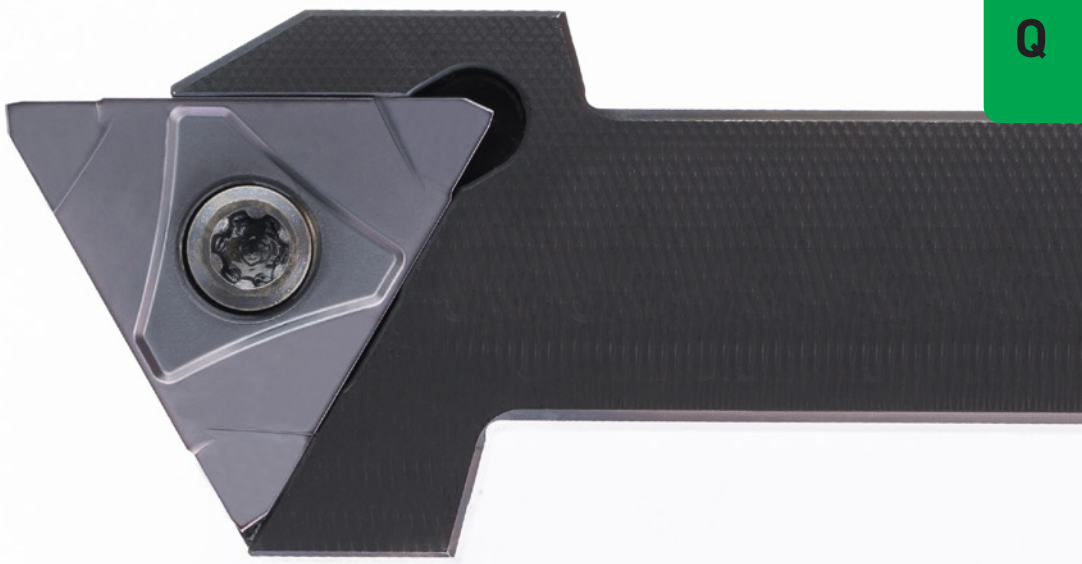
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	EG55
RS315.0110.L1	1,1	0,1	5,5	2,5	S31503R	▲
RS315.0130.L1	1,3	0,1	5,5	2,5	S31503R	▲
RS315.0150.L15	1,5	0,15	5,5	2,5	S31503R	▲
RS315.0200.L2	2	0,2	5,5	3	S31503R	▲
LS315.0110.L1	1,1	0,1	5,5	2,5	S31503L	▲
LS315.0130.L1	1,3	0,1	5,5	2,5	S31503L	▲
LS315.0150.L15	1,5	0,15	5,5	2,5	S31503L	▲
LS315.0200.L2	2	0,2	5,5	3	S31503L	▲

P	●
M	o
K	o
N	-
S	-
H	-

S316

Q



Porte outils et plaquettes

Largeur de gorge 1,5 - 3 mm

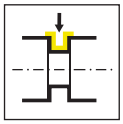
Portainserto e inserti

Larghezza della gola 1,5 - 3 mm

Gorge et Tronçonnage
Gole e Troncatura

Géométries et avances
Geometrie e avanzamenti
Page/Pag.
439

Porte outils
Portainserto
H316/HC316



Page/Pag.
440-442, 446-447

Plaquette amovible
Inserto
S316

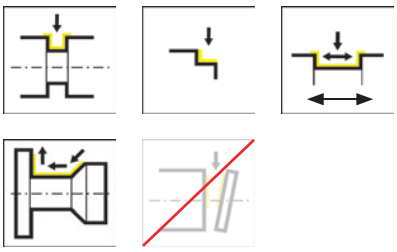
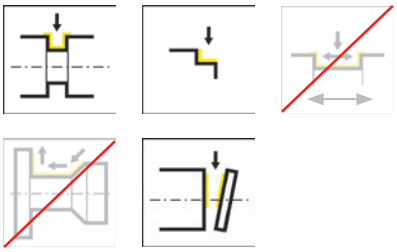
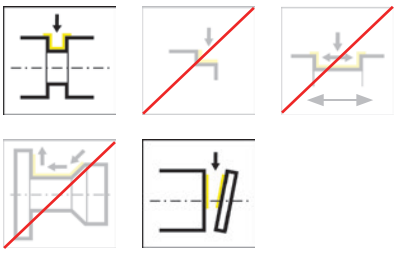
.5
Page/Pag.
443

.EN
Page/Pag.
444

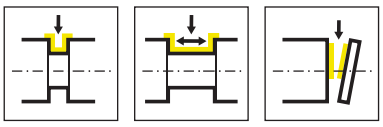
.FY
Page/Pag.
445

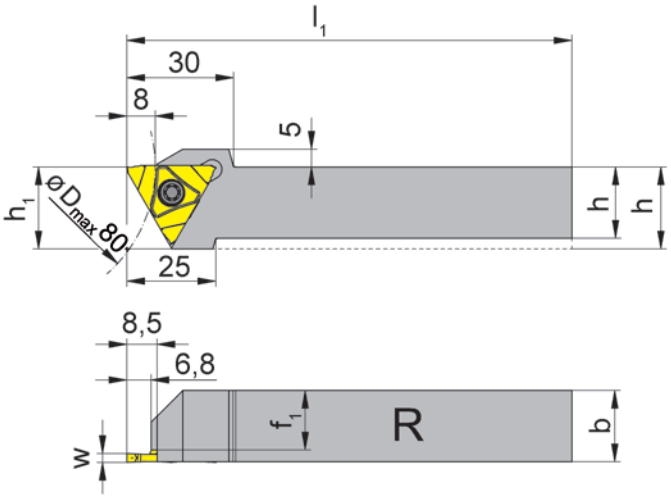
Q

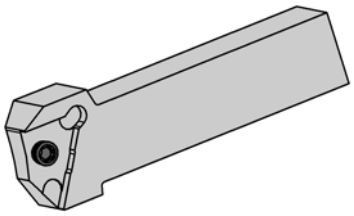
Géométries et avances
Geometrie e avanzamenti

Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.5	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
.EN	P M K N S H	↓ 0,10-0,45	
.FY	P M K N S H	↓ 0,03-0,15	

Q







R = version à droite représentée
R = versione destra come in figura

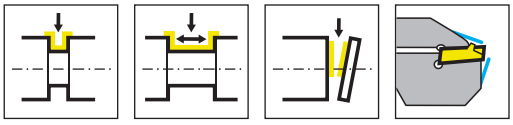
L = version à gauche
L = versione sinistra a specchio

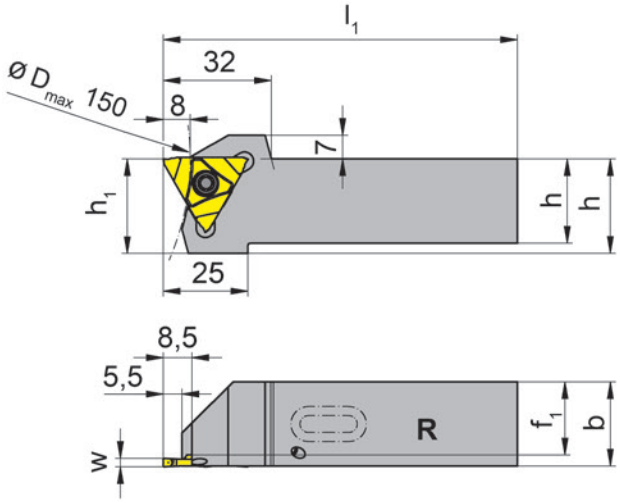
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	HWS
RH316.1616.S3.03	16	16	125	23	12,7	8	S31603R
RH316.2020.S3.03	20	20	125	23	16,7	8	S31603R
RH316.2525.S3.03	25	25	150	25	21,7	8	S31603R
RH316.3225.S3.03	32	25	150	32	21,7	8	S31603R
LH316.1616.S3.03	16	16	125	23	12,7	8	S31603L
LH316.2020.S3.03	20	20	125	23	16,7	8	S31603L
LH316.2525.S3.03	25	25	150	25	21,7	8	S31603L
LH316.3225.S3.03	32	25	150	32	21,7	8	S31603L

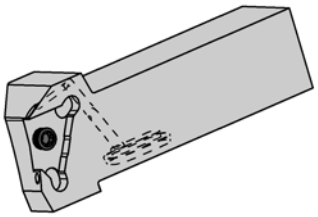
w voir plaquettes amovibles
w vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH316...	**5.12T20P**	**T20PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	HWS
RH316.2020.S3.03.IK	20	20	90	28	16,7	8	S31603R
RH316.2525.S3.03.IK	25	25	105	28	21,7	8	S31603R
RH316.2020.S5.05.IK	20	20	90	28	14,8	8	S31605R
RH316.2525.S5.05.IK	25	25	105	28	19,8	8	S31605R
LH316.2020.S3.03.IK	20	20	90	28	16,7	8	S31603L
LH316.2525.S3.03.IK	25	25	105	28	21,7	8	S31603L
LH316.2525.S5.05.IK	25	25	105	28	19,8	8	S31605L

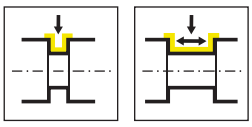
w voir plaquettes amovibles
w vd. inserti

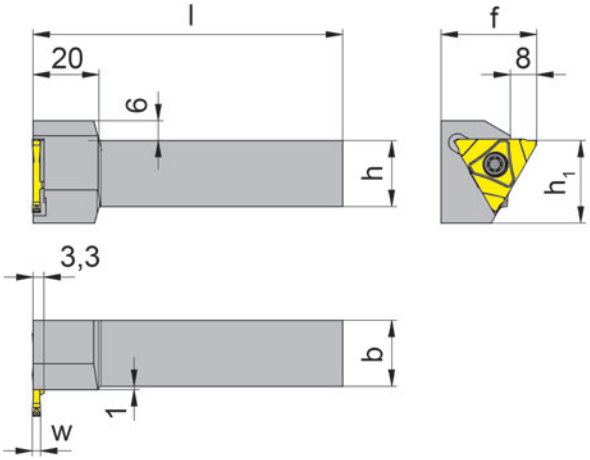
Pièces Détachées
Ricambi

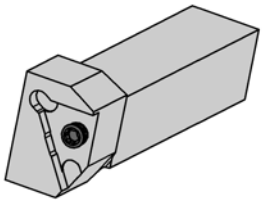
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH316...	**5.12T20P**	**T20PQ**

Porte outils
Portainserto

HC316







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l	h_1	f	t_{max}	HWS
RHC316.1616.S3.03	16	16	125	25	29	8	S31603L
RHC316.2020.S3.03	20	20	125	25	29	8	S31603L
RHC316.2525.S3.03	25	25	150	25	34	8	S31603L
RHC316.3225.S3.03	32	25	150	32	34	8	S31603L
LHC316.1616.S3.03	16	16	125	25	29	8	S31603R
LHC316.2020.S3.03	20	20	125	25	29	8	S31603R
LHC316.2525.S3.03	25	25	150	25	34	8	S31603R
LHC316.3225.S3.03	32	25	150	32	34	8	S31603R

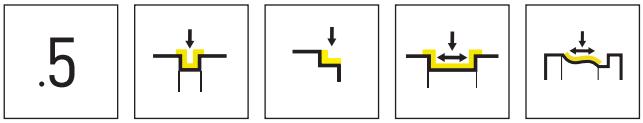
w voir plaquettes amovibles
w vd. inserti

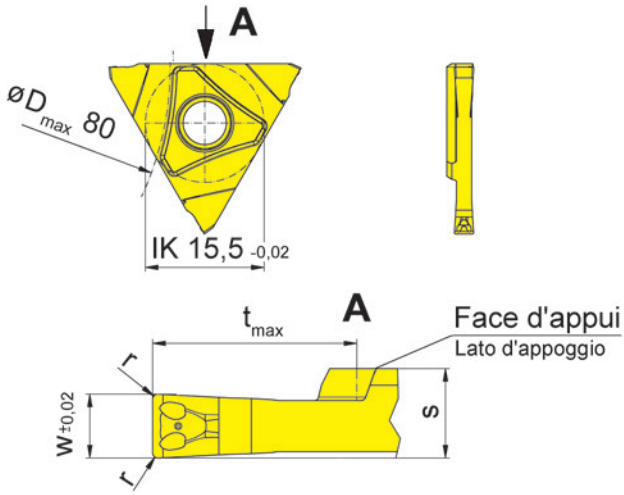
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LHC316...	**5.12T20P**	**T20PQ**

Plaquette amovible
Inserto

S316







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

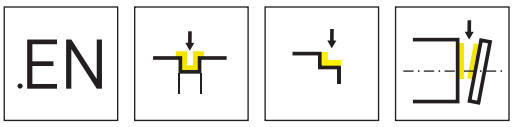
Δ 4 semaines
4 settimane

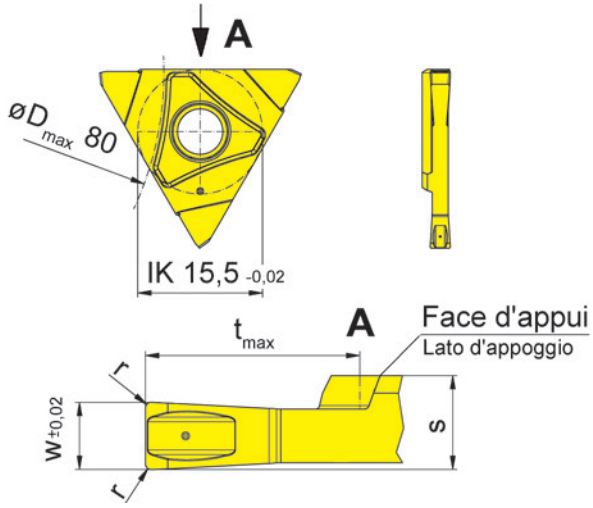
Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	AS45
RS316.0200.52	2	0,2	8	3,5	S31603R	▲
RS316.0250.52	2,5	0,2	8	3,5	S31603R	▲
RS316.0300.52	3	0,2	8	3,5	S31603R	▲
LS316.0200.52	2	0,2	8	3,5	S31603L	▲
LS316.0250.52	2,5	0,2	8	3,5	S31603L	▲
LS316.0300.52	3	0,2	8	3,5	S31603L	▲

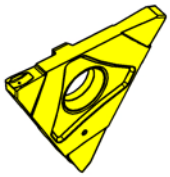
P	●
M	●
K	●
N	o
S	●
H	-

Plaquette amovible
Inserto

S316







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

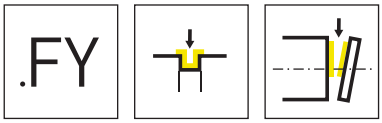
Δ 4 semaines
4 settimane

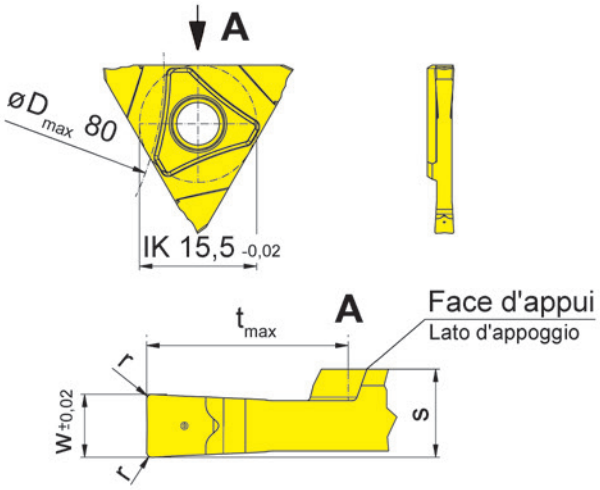
Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	AS6G
RS316.0200.EN2	2	0,2	8	3,5	S31603R	▲
RS316.0250.EN2	2,5	0,2	8	3,5	S31603R	▲
RS316.0300.EN2	3	0,2	8	3,5	S31603R	Δ
LS316.0200.EN2	2	0,2	8	3,5	S31603L	▲
LS316.0250.EN2	2,5	0,2	8	3,5	S31603L	▲
LS316.0300.EN2	3	0,2	8	3,5	S31603L	▲

P	●
M	●
K	●
N	●
S	●
H	-

Plaquette amovible
Inserto

S316







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

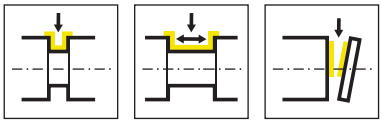
Δ 4 semaines
4 settimane

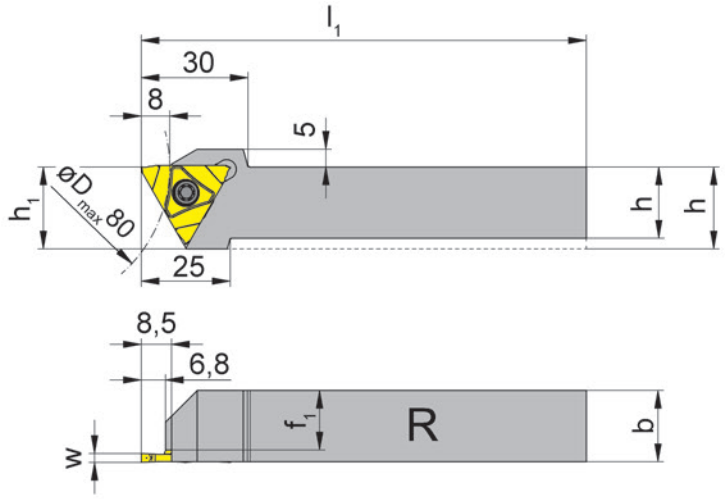
Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	T125
RS316.0150.FY1	1,5	0,1	8	3,3	S31603R	▲
RS316.0200.FY2	2	0,2	8	3,5	S31603R	▲
RS316.0250.FY2	2,5	0,2	8	3,5	S31603R	▲
RS316.0300.FY2	3	0,2	8	3,5	S31603R	▲
LS316.0150.FY1	1,5	0,1	8	3,3	S31603L	▲
LS316.0200.FY2	2	0,2	8	3,5	S31603L	▲
LS316.0250.FY2	2,5	0,2	8	3,5	S31603L	Δ
LS316.0300.FY2	3	0,2	8	3,5	S31603L	Δ

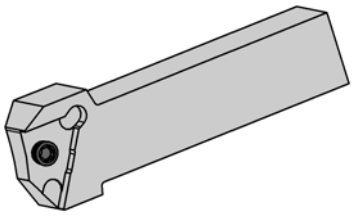
P	●
M	●
K	●
N	●
S	●
H	-

Porte outils
Portainserto

H316







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	HWS
RH316.1616.03	16	16	125	23	12,7	31603R
RH316.2020.03	20	20	125	23	16,7	31603R
RH316.2525.03	25	25	150	25	21,7	31603R
RH316.3225.03	32	25	150	32	21,7	31603R
RH316.2525.05	25	25	150	25	25,2	31605R
LH316.1616.03	16	16	125	23	12,7	31603L
LH316.2020.03	20	20	125	23	16,7	31603L
LH316.2525.03	25	25	150	25	21,7	31603L
LH316.3225.03	32	25	150	32	21,7	31603L
LH316.2525.05	25	25	150	25	25,2	31605L

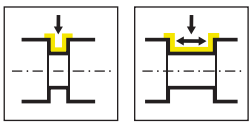
w voir plaquettes amovibles
w vd. inserti

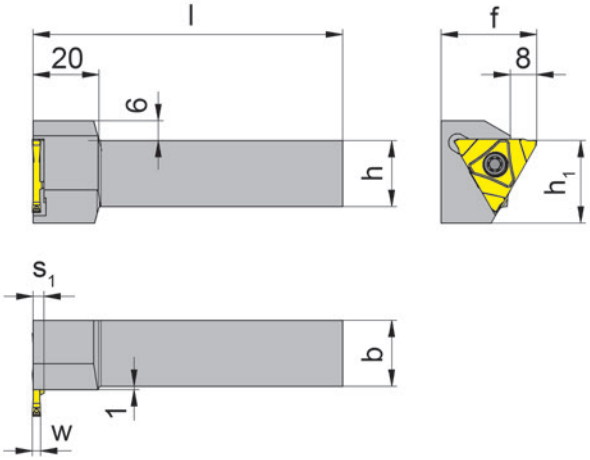
Pièces Détachées
Ricambi

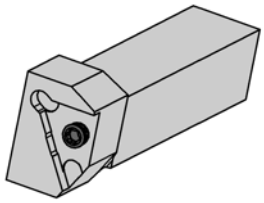
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH316...	**5.12T20P**	**T20PQ**

Porte outils
Portainserto

HC316







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l	h_1	f	s_1	HWS
RHC316.1616.03	16	16	125	25	29	3,3	31603L
RHC316.2020.03	20	20	125	25	29	3,3	31603L
RHC316.2525.03	25	25	150	25	34	3,3	31603L
RHC316.3225.03	32	25	150	32	34	3,3	31603L
RHC316.2020.05	20	20	125	25	29	5,2	31605L
RHC316.3225.05	32	25	150	32	34	5,2	31605L
LHC316.1616.03	16	16	125	25	29	3,3	31603R
LHC316.2020.03	20	20	125	25	29	3,3	31603R
LHC316.2525.03	25	25	150	25	34	3,3	31603R
LHC316.3225.03	32	25	150	32	34	3,3	31603R
LHC316.2020.05	20	20	125	25	29	5,2	31605R
LHC316.2525.05	25	25	150	25	34	5,2	31605R
LHC316.3225.05	32	25	150	32	34	5,2	31605R

w voir plaquettes amovibles
w vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LHC316...	**5.12T20P**	**T20PQ**

S64T



Porte outils et plaquettes

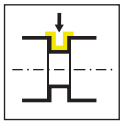
Largeur de gorge 0,5 - 3,15 mm

Portainserto e inserti

Larghezza della gola 0,5 - 3,15 mm

Géométries et avances
Geometrie e avanzamenti
Page/Pag. 451

Porte outils
Portainserto
H64T



Page/Pag. 452-454

Plaquette amovible
Inserto
S64T



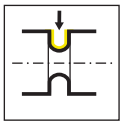
Page/Pag. 455



Page/Pag. 456



Page/Pag. 457



Page/Pag. 458



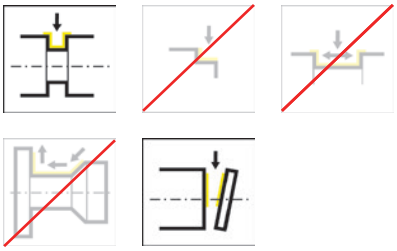
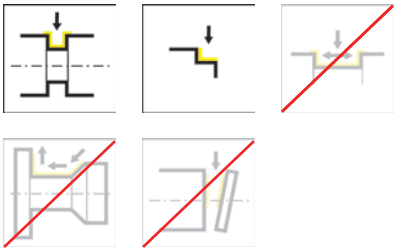
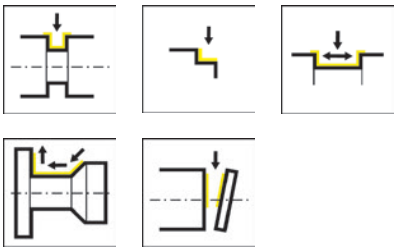
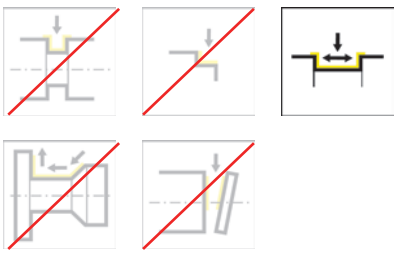
Page/Pag. 459



Page/Pag. 460

R

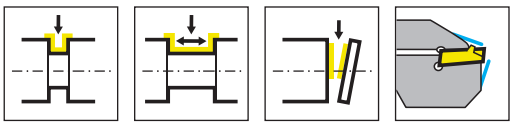
Géométries et avances
Geometrie e avanzamenti

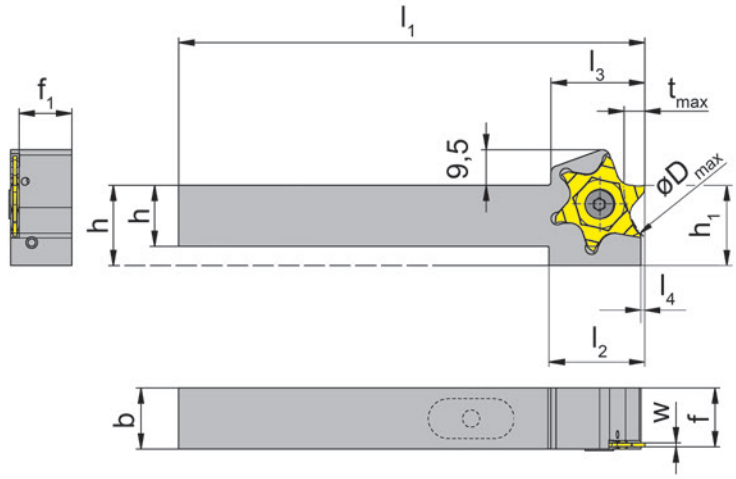
Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
.00	P M K N S H	0,02-0,12	
.1A	P M K N S H	0,03-0,12	
.DL	P M K N S H	0,05-0,15 0,05-0,20	
.FB	P M K N S H	0,02-0,10 0,0015-0,07	

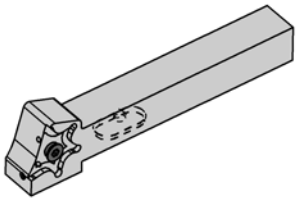
R

Porte outils
Portainserto

H64T







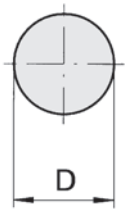
L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	l_4	Arrosage Lubrificazione	HWS
RH64T.1616.4.10.IK	16	16	125	25	24,5	21	13,8	f_1+w+a_1	1	VDI	64T01N
RH64T.2020.4.10.IK	20	20	125	25	24,5	25	17,8	f_1+w+a_1	1	VDI	64T01N
RH64T.2525.4.10.IK	25	25	125	25	24,5	25	22,8	f_1+w+a_1	1	VDI	64T01N
RH64T.1616.4.20.IK	16	16	125	25	24,5	21	13,3	f_1+w+a_1	1	VDI	64T02N
RH64T.2020.4.20.IK	20	20	125	25	24,5	25	17,3	f_1+w+a_1	1	VDI	64T02N
RH64T.2525.4.20.IK	25	25	125	25	24,5	25	22,3	f_1+w+a_1	1	VDI	64T02N
LH64T.2020.4.10.IK	20	20	125	25	24,5	25	17,8	f_1+w+a_1	1	VDI	64T01N
LH64T.2525.4.10.IK	25	25	125	25	24,5	30	22,8	f_1+w+a_1	1	VDI	64T01N
LH64T.1616.4.20.IK	16	16	125	25	24,5	21	13,3	f_1+w+a_1	1	VDI	64T02N
LH64T.2020.4.20.IK	20	20	125	25	24,5	25	17,3	f_1+w+a_1	1	VDI	64T02N
LH64T.2525.4.20.IK	25	25	125	25	24,5	30	22,3	f_1+w+a_1	1	VDI	64T02N

w voir plaquettes amovibles
w vd. inserti

Gorge et Tronçonnage de tube
Gole e Troncatura tubi



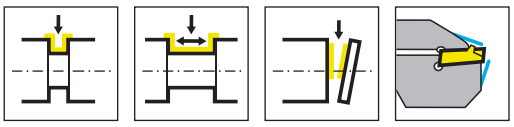
Dmax	tmax
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

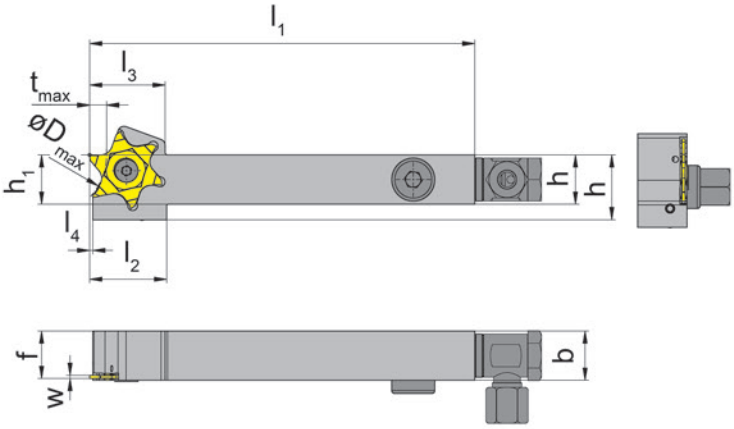
Pièces Détachées
Ricambi

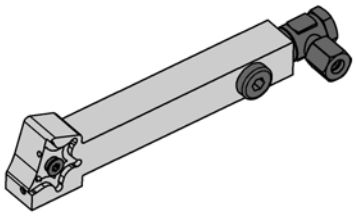
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH64T...	**030.4010.T15P**	**T15PQ**

Porte outils
Portainserto

H64T







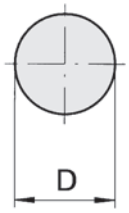
R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	l_4	Arrosage Lubrificazione	HWS
RH64T.1212.6.10.IK	12	12	125	25	24,5	19	9,8	f_1+w+a_1	1	G1/8	64T01N
RH64T.1616.6.10.IK	16	16	125	25	24,5	21	13,8	f_1+w+a_1	1	G1/8	64T01N
RH64T.2020.6.10.IK	20	20	125	25	24,5	25	17,8	f_1+w+a_1	1	G1/8	64T01N
RH64T.2525.6.10.IK	25	25	125	25	24,5	25	22,8	f_1+w+a_1	1	G1/8	64T01N
RH64T.1212.6.20.IK	12	12	125	25	24,5	19	9,3	f_1+w+a_1	1	G1/8	64T02N
RH64T.1616.6.20.IK	16	16	125	25	24,5	21	13,3	f_1+w+a_1	1	G1/8	64T02N
RH64T.2020.6.20.IK	20	20	125	25	24,5	25	17,3	f_1+w+a_1	1	G1/8	64T02N
RH64T.2525.6.20.IK	25	25	125	25	24,5	25	22,3	f_1+w+a_1	1	G1/8	64T02N
LH64T.1212.6.10.IK	12	12	125	25	24,5	19	9,8	f_1+w+a_1	1	G1/8	64T01N
LH64T.1616.6.10.IK	16	16	125	25	24,5	21	13,8	f_1+w+a_1	1	G1/8	64T01N
LH64T.2020.6.10.IK	20	20	125	25	24,5	25	17,8	f_1+w+a_1	1	G1/8	64T01N
LH64T.2525.6.10.IK	25	25	125	25	24,5	25	22,8	f_1+w+a_1	1	G1/8	64T01N
LH64T.1212.6.20.IK	12	12	125	25	24,5	19	9,3	f_1+w+a_1	1	G1/8	64T02N
LH64T.1616.6.20.IK	16	16	125	25	24,5	21	13,3	f_1+w+a_1	1	G1/8	64T02N
LH64T.2020.6.20.IK	20	20	125	25	24,5	25	17,3	f_1+w+a_1	1	G1/8	64T02N
LH64T.2525.6.20.IK	25	25	125	25	24,5	25	22,3	f_1+w+a_1	1	G1/8	64T02N

w voir plaquettes amovibles
w vd. inserti

Gorge et Tronçonnage de tube
Gole e Troncatura tubi



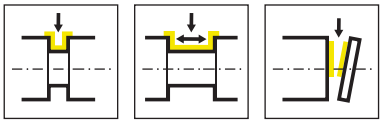
Dmax	tmax
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

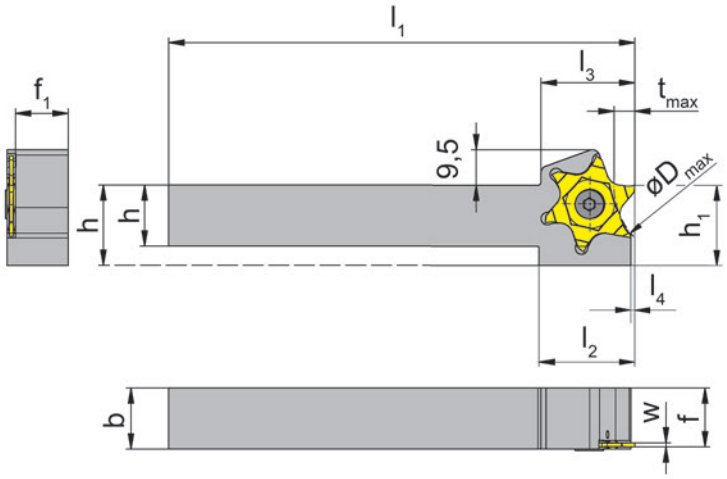
Pièces Détachées
Ricambi

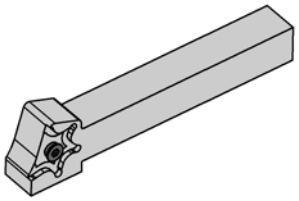
Porte outils Portainserto	**Arrosage** Lubrificazione	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/LH64T.1212.6...	**004.00.22**	**030.4010.T15P**	**T15PQ**	
R/LH64T...	**004.00.16**	**030.4010.T15P**	**T15PQ**	**004.00.26**

Porte outils
Portainserto

H64T







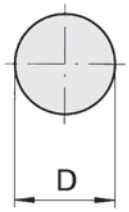
L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	l_4	HWS
RH64T.1212.10	12	12	125	25	25,4	19	9,8	f_1+w+a_1	1	64T01N
RH64T.1616.10	16	16	125	25	25,4	21	13,8	f_1+w+a_1	1	64T01N
RH64T.2020.10	20	20	125	25	25,4	25	17,8	f_1+w+a_1	1	64T01N
RH64T.2525.10	25	25	125	-	25,4	25	22,8	f_1+w+a_1	1	64T01N
RH64T.1212.20	12	12	125	25	25,4	19	9,3	f_1+w+a_1	1	64T02N
RH64T.1616.20	16	16	125	25	25,4	21	13,3	f_1+w+a_1	1	64T02N
RH64T.2020.20	20	20	125	25	25,4	25	17,3	f_1+w+a_1	1	64T02N
RH64T.2525.20	25	25	125	-	25,4	25	22,3	f_1+w+a_1	1	64T02N
LH64T.1212.10	12	12	125	25	25,4	19	9,8	f_1+w+a_1	1	64T01N
LH64T.1616.10	16	16	125	25	25,4	21	13,8	f_1+w+a_1	1	64T01N
LH64T.2020.10	20	20	125	25	25,4	25	17,8	f_1+w+a_1	1	64T01N
LH64T.2525.10	25	25	125	-	25,4	25	22,8	f_1+w+a_1	1	64T01N
LH64T.1212.20	12	12	125	25	25,4	19	9,3	f_1+w+a_1	1	64T02N
LH64T.1616.20	16	16	125	25	25,4	21	13,3	f_1+w+a_1	1	64T02N
LH64T.2020.20	20	20	125	25	25,4	25	17,3	f_1+w+a_1	1	64T02N
LH64T.2525.20	25	25	125	-	25,4	25	22,3	f_1+w+a_1	1	64T02N

w voir plaquettes amovibles
w vd. inserti

Gorge et Tronçonnage de tube
Gole e Troncatura tubi



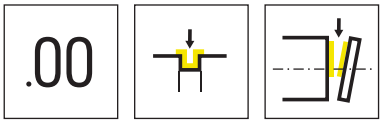
Dmax	tmax
40	5,5
45	5
50	4,5
55	4
65	3,5
70	3,5
80	3
100	2,5

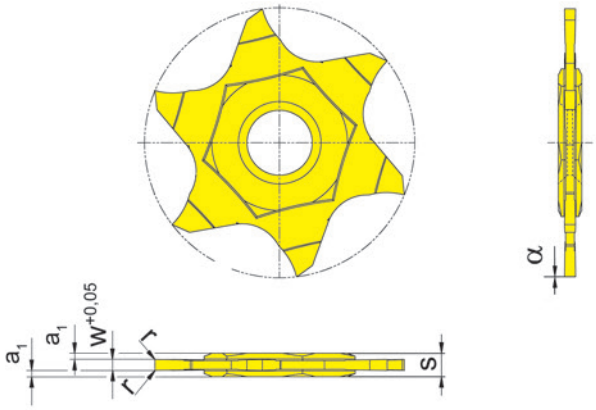
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH64T...	**030.4010.T15P**	**T15PQ**

Plaquette amovible
Inserto

S64T







R

Nuance
Leghe

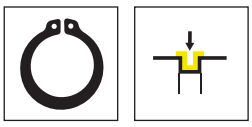
▲ en stock
a stock

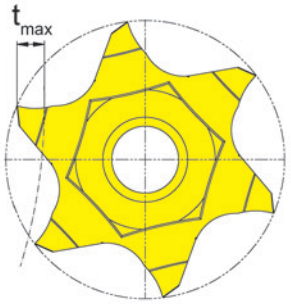
Δ 4 semaines
4 settimane

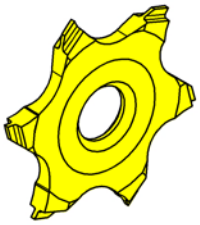
Numéro de commande Codice prodotto	w	r	a_1	s	α	HIS		EG55	IG35
S64T.0010.00	1	-	0,58	2,2	0°	64T01N		▲	▲
S64T.0015.00	1,5	-	0,34	2,2	0°	64T01N		▲	▲
S64T.0010.01	1	0,1	0,58	2,2	0°	64T01N		▲	▲
S64T.0015.01	1,5	0,1	0,34	2,2	0°	64T01N		▲	▲
							P	●	-
							M	o	●
							K	o	-
							N	-	-
							S	-	●
							H	-	-

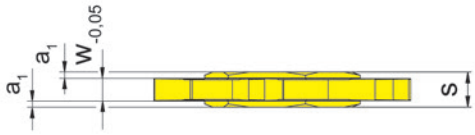
Plaquette amovible
Inserto

S64T









R

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

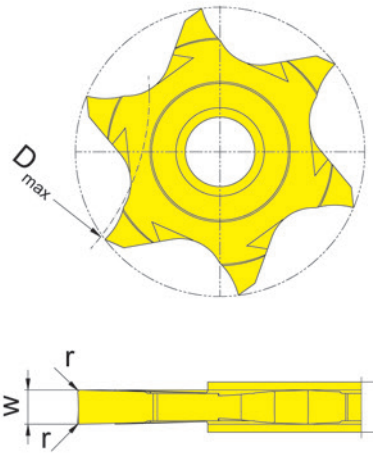
Numéro de commande Codice prodotto	w	Nw	t_{max}	a_1	s	HIS		EG35	EG55
S64T.0034.00	0,385	0,34	0,6	0,91	2,2	64T01N		Δ	
S64T.0044.00	0,485	0,44	0,7	0,86	2,2	64T01N		▲	
S64T.0050.00	0,57	0,5	0,7	0,83	2,2	64T01N			▲
S64T.0060.00	0,67	0,6	0,8	0,78	2,2	64T01N			▲
S64T.0070.00	0,77	0,7	1,1	0,73	2,2	64T01N			▲
S64T.0080.00	0,87	0,8	1,2	0,68	2,2	64T01N			▲
S64T.0090.00	0,97	0,9	1,4	0,63	2,2	64T01N			▲
S64T.0100.00	1,07	1	1,6	0,58	2,2	64T01N			▲
S64T.0110.00	1,24	1,1	1,6	0,49	2,2	64T01N			▲
S64T.0130.00	1,44	1,3	2	0,39	2,2	64T01N			▲
S64T.0160.00	1,74	1,6	3,5	0,24	2,2	64T01N			▲
S64T.0185.00	1,99	1,85	3,5	0,12	2,2	64T01N			▲
S64T.0215.00	2,29	2,15	3,5	0,07	2,4	64T01N			▲
S64T.0265.00	2,79	2,65	3,5	0,07	2,9	64T02N			▲
S64T.0315.00	3,29	3,15	3,5	0,07	3,4	64T02N			▲
							P	●	●
							M	●	o
							K	o	o
							N	-	-
							S	-	-
							H	-	-

Largeurs pour gorges circlips DIN 471/472
Larghezza per esecuzione anelli Seeger DIN 471/472

Plaquette amovible
Inserto

S64T

.FB





R

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	s	HIS	EG35	IG35
S64T.FB10.01	1	0,1	2,2	64T01N	▲	▲
S64T.FB15.01	1,5	0,1	2,2	64T01N	▲	▲

P	●	-
M	●	●
K	o	-
N	-	-
S	-	●
H	-	-

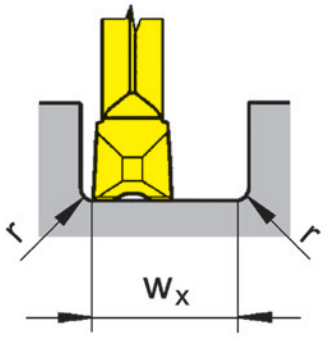
Calcul de la plus petite largeur de gorge possible w_x
Calcolo della larghezza di gola w_x più basso possibile

Exemple S64T.FB10.01
Esempio

w_x = 2 x Largeur de gorge/Larghezza della gola w - 2 x Rayon d'angles plaque /Spigolo raggiato inserto r

w_x = 2 x 1 mm - 2 x 0,1 mm

w_x = 1,8 mm

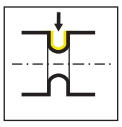


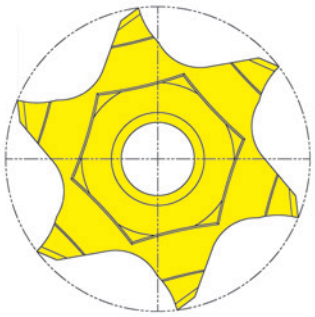
Déroulement du processus
Percorso di lavoro



Plaquette amovible
Inserto

S64T







R

Nuance
Leghe

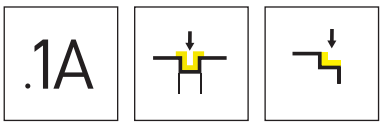
▲ en stock
a stock

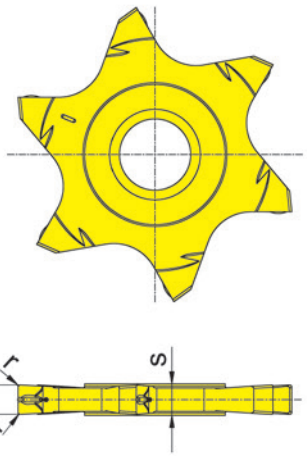
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	a_1	s	HIS		EG55	IG35	IG65
S64T.0100.05	1	0,5	0,59	2,2	64T01N		▲	▲	
S64T.0120.06	1,2	0,6	0,49	2,2	64T01N		▲		▲
S64T.0160.08	1,6	0,8	0,29	2,2	64T01N		▲		▲
S64T.0200.10	2	1	0,09	2,2	64T01N		▲		▲
S64T.0250.12	2,5	1,25	0,09	2,7	64T02N		▲		▲
S64T.0300.15	3	1,5	0,09	3,2	64T02N		▲		▲
						P	●	-	●
						M	o	●	●
						K	o	-	-
						N	-	-	-
						S	-	●	o
						H	-	-	-

Plaquette amovible
Inserto

S64T







R

Nuance
Leghe

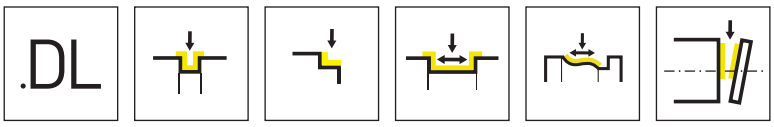
▲ en stock
a stock

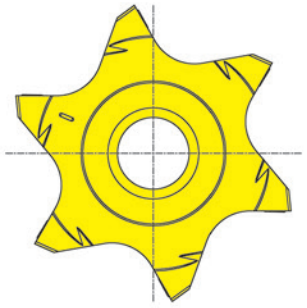
Δ 4 semaines
4 settimane

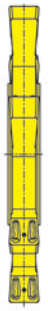
Numéro de commande Codice prodotto	w	r	s	HIS		EG55	IG35
S64T.0150.1A2	1,5	0,2	2,2	64T01N		▲	▲
S64T.0200.1A2	-	0,2	2,2	64T01N		▲	▲
S64T.0250.1A2	2,5	0,2	2,7	64T02N		▲	▲
S64T.0300.1A2	3	0,2	3,2	64T02N		▲	▲
					P	●	-
					M	o	●
					K	o	-
					N	-	-
					S	-	●
					H	-	-

Plaquette amovible
Inserto

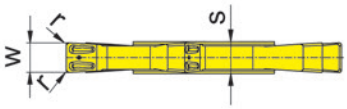
S64T











R

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	s	HIS		EG55	IG65
S64T.0150.DL2	1,5	0,2	2,2	64T01N		▲	▲
S64T.0150.DL4	1,5	0,4	2,2	64T01N		▲	▲
S64T.0200.DL2	2	0,2	2,2	64T01N		▲	▲
S64T.0200.DL4	2	0,4	2,2	64T01N		▲	▲
S64T.0250.DL2	2,5	0,2	2,7	64T02N		▲	▲
S64T.0250.DL4	2,5	0,4	2,7	64T02N		▲	▲
S64T.0300.DL2	3	0,2	3,2	64T02N		▲	▲
S64T.0300.DL4	3	0,4	3,2	64T02N		▲	▲
					P	●	●
					M	o	●
					K	o	-
					N	-	-
					S	-	o
					H	-	-



S

Filetage (extérieur et intérieur)

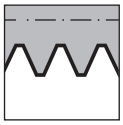
Système 224
Système 229
Système 231
Système 264
Système 274
Système 32T
Système 315
Système 64T

Filettare (esterne ed interne)

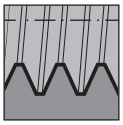
Sistema 224
Sistema 229
Sistema 231
Sistema 264
Sistema 274
Sistema 32T
Sistema 315
Sistema 64T

Filetage
Filettare

Plaquette amovible
Inserto
S224/NS224/229/N229
231/264/S274/S274...E/
S32T/315/S64T



Page/Pag.
463-477, 479,
481-484



Page/Pag.
478, 480

Vue d'ensemble
Vista d'insieme

Page/Pag.
485

Informations techniques
Informazioni tecniche

Page/Pag.
486-487

Pour les porte-outils, voir les chapitres correspondants au système
Per i portainserti vedere i capitoli corrispondenti ai sistemi

S

Applications
Applicazioni



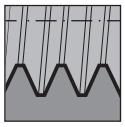
Filetage profil partiel
Profilo parziale del filo



Filetage profil plein
Profilo completo del filo



Filetage extérieur
Filettatura esterna



Filetage intérieur
Filettatura interna

BSW
BSF

Filetage Whitworth BSW/BSF
Filettatura Whitworth BSW/BSF

UN

Filetage UN
Filettatura UN

NPT
NPTF

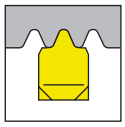
National pipe thread

PG

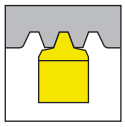
Filetage de tube acier
Filettatura di tubi d'acciaio

60°

Filetage ISO-métrique
Filetti metrici ISO



Filetage Whitworth
Filettatura thread



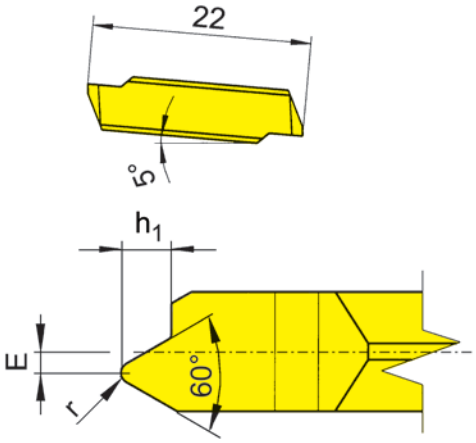
Filetage trapézoïdale
Filettatura Trapezoidale

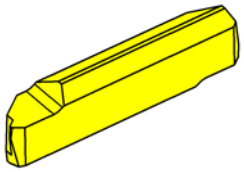
Aucunes cales nécessaires. Tous les profils de HORN sont fabriqués avec une grande dépouille radiale.
No shims necessary. All HORN thread profiles are manufactured with full ground radial clearance.

Plaquette amovible
Inserto

S224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

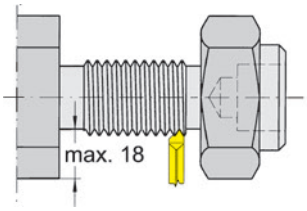
Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	P	E	r	h_1	HIS		EG55	TF45
RS224.0305.02	0,5	1	0,07	0,31	224038		▲	▲
RS224.0407.02	0,75	0,9	0,11	0,46	224038		▲	▲
RS224.0610.02	1	0,8	0,14	0,61	224038		▲	▲
RS224.0712.02	1,25	0,7	0,15	0,77	224038		▲	▲
RS224.0915.02	1,5	0,5	0,2	0,92	224038		▲	▲
RS224.1017.02	1,75	0,4	0,25	1,07	224038		▲	▲
RS224.1220.02	2	0,3	0,25	1,23	224038		▲	▲
LS224.0305.02	0,5	1	0,07	0,31	224038		Δ	▲
LS224.0407.02	0,75	0,9	0,11	0,46	224038		▲	▲
LS224.0610.02	1	0,8	0,14	0,61	224038		▲	▲
LS224.0712.02	1,25	0,7	0,15	0,77	224038		▲	▲
LS224.0915.02	1,5	0,5	0,2	0,92	224038		▲	▲
LS224.1017.02	1,75	0,4	0,25	1,07	224038		Δ	Δ
LS224.1220.02	2	0,3	0,25	1,23	224038		Δ	▲
						P	●	●
						M	o	●
						K	o	●
						N	-	●
						S	-	●
						H	-	-

Filetage derrière épaulement
Indicato per eseguire filettature tra spallamenti

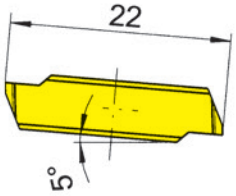


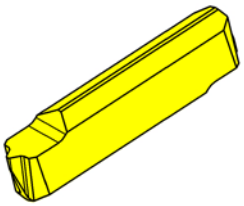
S

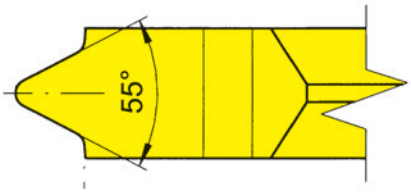
Plaquette amovible
Inserto

NS224









S

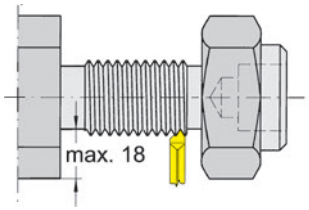
Nuance
Leghe

▲ en stock
a stock

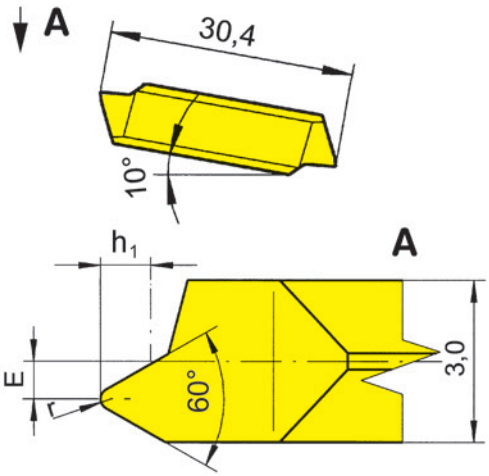
Δ 4 semaines
4 settimane

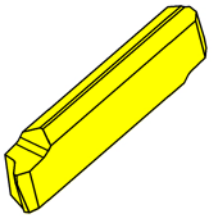
Numéro de commande Codice prodotto	TPI	HIS		EG55	TA45
NS224.5511.02	11	224038		▲	▲
NS224.5514.02	14	224038		▲	▲
NS224.5519.02	19	224038		▲	▲
NS224.5528.02	28	224038		▲	▲
			P	●	●
			M	o	●
			K	o	●
			N	-	●
			S	-	●
			H	-	-

Filetage derrière épaulement
Indicato per eseguire filettature tra spallamenti









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

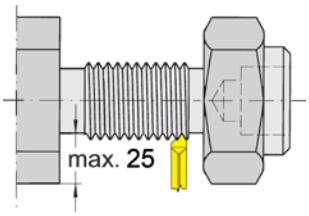
Δ 4 semaines
4 settimane

S

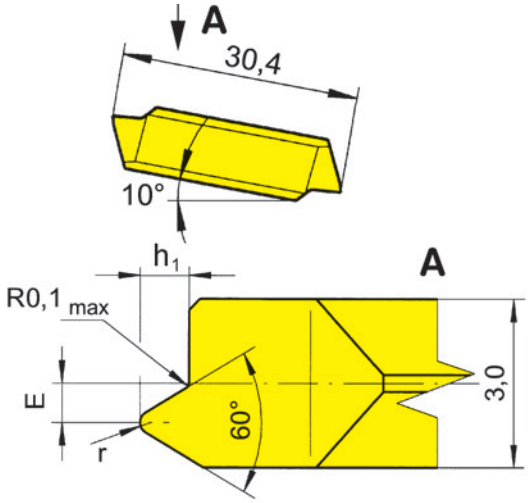
Numéro de commande Codice prodotto	P	E	r	h_1	HIS	TN35
R229.0610.01	1	0,8	0,12	0,61	229030 • 229040	▲
R229.0712.01	1,25	0,8	0,15	0,77	229030 • 229040	▲
R229.0915.01	1,5	0,7	0,2	0,92	229030 • 229040	▲
R229.1017.01	1,75	0,5	0,25	1,07	229030 • 229040	▲
R229.1220.01	2	0,5	0,25	1,23	229030 • 229040	▲
R229.1525.01	2,5	0,3	0,35	1,53	229030 • 229040	▲
L229.0610.01	1	0,8	0,12	0,61	229030 • 229040	▲
L229.0712.01	1,25	0,8	0,15	0,77	229030 • 229040	▲
L229.0915.01	1,5	0,7	0,2	0,92	229030 • 229040	▲
L229.1017.01	1,75	0,5	0,25	1,07	229030 • 229040	▲
L229.1220.01	2	0,5	0,25	1,23	229030 • 229040	Δ
L229.1525.01	2,5	0,3	0,35	1,53	229030 • 229040	▲

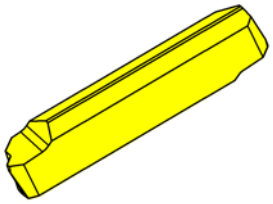
P	•
M	•
K	•
N	•
S	•
H	-

Filetage derrière épaulement
Indicato per eseguire filettature tra spallamenti









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

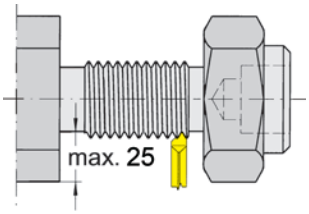
▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	P	E	r	h_1	HIS	TN35
R229.0610.02	1	0,8	0,14	0,62	229030 • 229040	▲
R229.0712.02	1,25	0,8	0,175	0,78	229030 • 229040	▲
R229.0915.02	1,5	0,7	0,21	0,93	229030 • 229040	▲
R229.1017.02	1,75	0,5	0,25	1,08	229030 • 229040	▲
R229.1220.02	2	0,5	0,28	1,24	229030 • 229040	▲
R229.1525.02	2,5	0,3	0,36	1,54	229030 • 229040	▲
L229.0610.02	1	0,8	0,14	0,62	229030 • 229040	▲
L229.0712.02	1,25	0,8	0,175	0,78	229030 • 229040	▲
L229.0915.02	1,5	0,7	0,21	0,93	229030 • 229040	▲
L229.1017.02	1,75	0,5	0,25	1,08	229030 • 229040	▲
L229.1220.02	2	0,5	0,28	1,24	229030 • 229040	▲
L229.1525.02	2,5	0,3	0,36	1,54	229030 • 229040	Δ

P	•
M	•
K	•
N	•
S	•
H	-

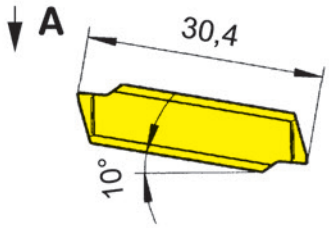
Filetage derrière épaulement
Indicato per eseguire filettature tra spallamenti

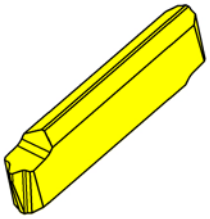


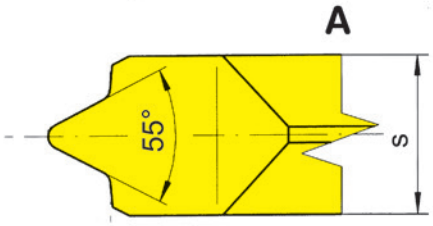
Plaquette amovible
Inserto

N229









Nuance
Leghe

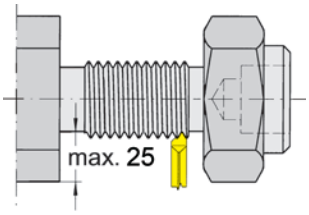
▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	TPI	s	HIS	TA45	TN35
N229.5511.02	11	3,5	229030 • 229040	Δ	▲
N229.5514.02	14	3	229030 • 229040	▲	▲
N229.5519.02	19	3	229030 • 229040	Δ	▲
N229.5528.02	28	3	229030 • 229040		Δ

P	•	•
M	•	•
K	•	•
N	•	•
S	•	•
H	-	-

Filetage derrière épaulement
Indicato per eseguire filettature tra spallamenti

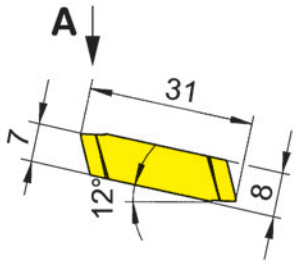


S

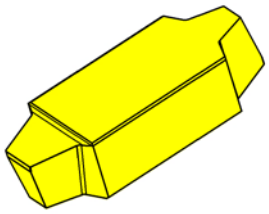
Plaquette amovible
Inserto

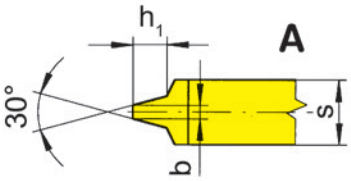
231











S

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	P	h_1	b	s	HIS	TN35
231.4070.02	7	4	2,29	5,8	23105N	▲
231.4580.02	8	4,5	2,66	5,8	23105N	▲
231.5090.02	9	5	3,02	7,8	23107N	Δ
231.5500.02	10	5,5	3,39	7,8	23107N	▲
231.6020.02	12	6,5	4,12	9,8	23109N	Δ

pour le porte outil 221 et 228 (chapitre gorge frontale)
per portainserto 221 e 228 (capitolo gole assiali)

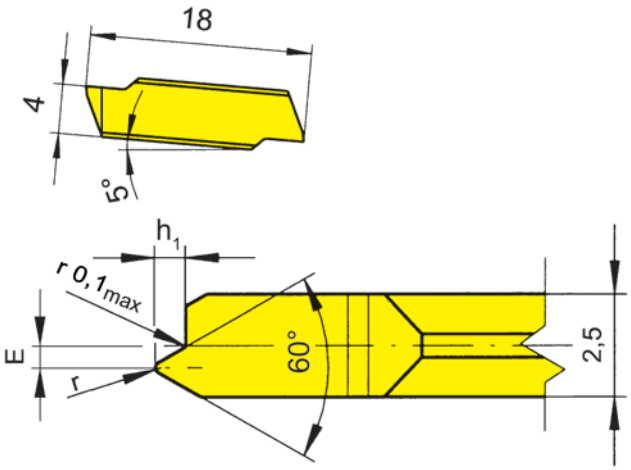
Filetage trapézoïdale DIN103
Filettatura Trapezoidale ISO-Metrica secondo DIN 103

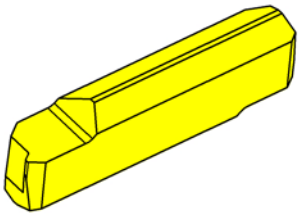
P	●
M	●
K	●
N	●
S	●
H	-

Plaquette amovible
Inserto

264







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

S

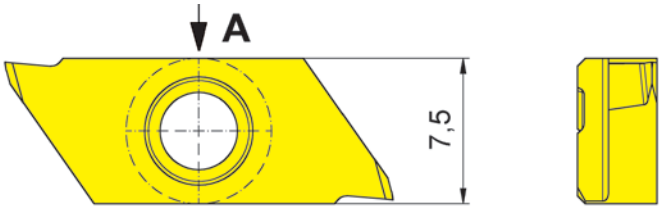
Numéro de commande Codice prodotto	P	E	r	h_1	HIS	TF45
R264.0305.02	0,5	0,9	0,07	0,31	26403	▲
R264.0306.02	0,6	0,9	0,09	0,37	26403	Δ
R264.0307.02	0,7	0,8	0,1	0,43	26403	▲
R264.0407.02	0,75	0,75	0,11	0,46	26403	▲
R264.0408.02	0,8	0,7	0,12	0,49	26403	▲
R264.0610.02	1	0,6	0,12	0,61	26403	▲
R264.0712.02	1,25	0,5	0,15	0,77	26403	▲
R264.0915.02	1,5	0,4	0,2	0,92	26403	▲
L264.0305.02	0,5	0,9	0,07	0,31	26403	Δ
L264.0306.02	0,6	0,9	0,09	0,37	26403	Δ
L264.0307.02	0,7	0,8	0,1	0,43	26403	Δ
L264.0407.02	0,75	0,75	0,11	0,46	26403	Δ
L264.0408.02	0,8	0,7	0,12	0,49	26403	▲
L264.0610.02	1	0,6	0,12	0,61	26403	▲
L264.0712.02	1,25	0,5	0,15	0,77	26403	Δ
L264.0915.02	1,5	0,4	0,2	0,92	26403	Δ

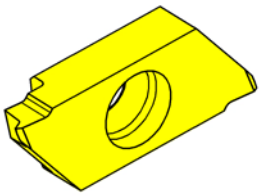
P	●
M	●
K	●
N	●
S	●
H	-

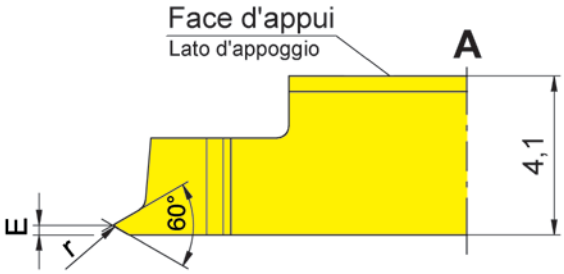
Plaquette amovible
Inserto

S274









R = version à droite représentée
R = versione destra come in figura

Nuance
Leghe

▲ en stock
a stock

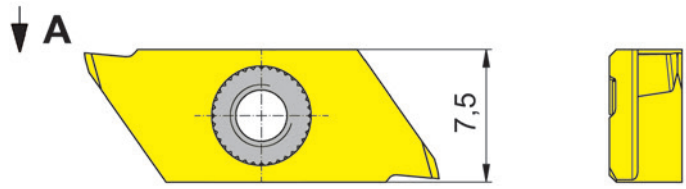
Δ 4 semaines
4 settimane

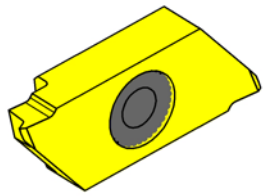
Numéro de commande Codice prodotto	P	E	r	HIS	IG35	TH35
RS274.0102.01	0,25	0,2	0,04	274040R	▲	▲
RS274.0203.01	0,35	0,25	0,05	274040R	▲	▲
RS274.0204.01	0,4	0,3	0,06	274040R	▲	▲
					P -	●
					M ●	●
					K -	●
					N -	●
					S ●	●
					H -	-

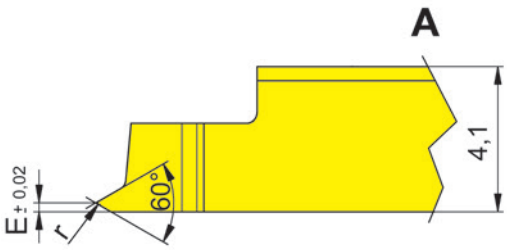
Plaquette amovible
Inserto

S274...E









R = version à droite représentée
R = versione destra come in figura

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

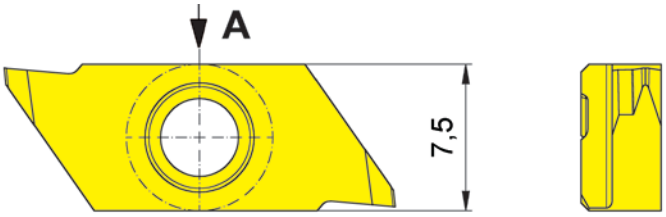
Numéro de commande Codice prodotto	P	E	r	HIS		IG35	TH35
RS274.0102.01.E	0,25	0,2	0,04	274140R		Δ	Δ
RS274.0203.01.E	0,35	0,25	0,05	274140R		Δ	Δ
RS274.0204.01.E	0,4	0,3	0,06	274140R		Δ	Δ
					P	-	●
					M	●	●
					K	-	●
					N	-	●
					S	●	●
					H	-	-

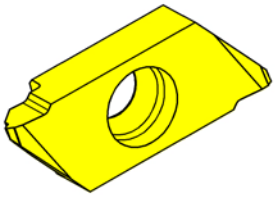
S

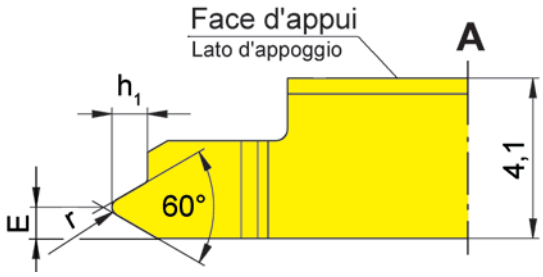
Plaquette amovible
Inserto

S274









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

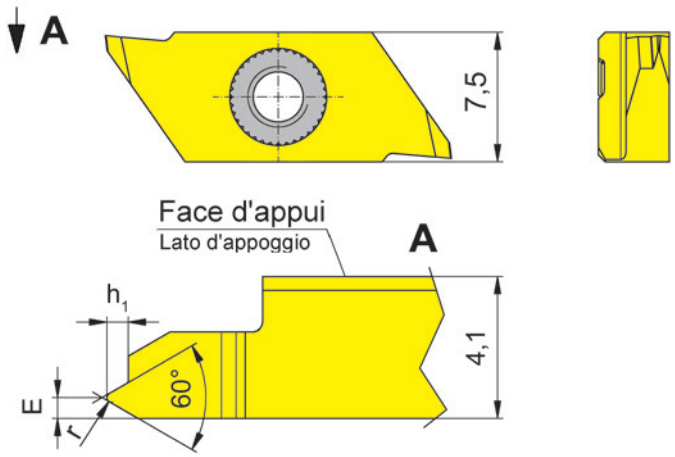
Numéro de commande Codice prodotto	P	E	r	h_1	HIS	IG35	TH35
RS274.0305.02	0,5	0,4	0,07	0,31	274040R	▲	▲
RS274.0306.02	0,6	0,45	0,09	0,37	274040R	Δ	▲
RS274.0307.02	0,7	0,5	0,1	0,43	274040R	▲	▲
RS274.0407.02	0,75	0,5	0,11	0,46	274040R	▲	▲
RS274.0408.02	0,8	0,55	0,12	0,49	274040R	▲	▲
RS274.0610.02	1	0,6	0,14	0,61	274040R	▲	▲
RS274.0712.02	1,25	0,7	0,15	0,77	274040R	▲	▲
RS274.0915.02	1,5	0,8	0,2	0,92	274040R	▲	▲
LS274.0305.02	0,5	0,4	0,07	0,31	274040L	Δ	▲
LS274.0306.02	0,6	0,45	0,09	0,37	274040L	Δ	Δ
LS274.0307.02	0,7	0,5	0,1	0,43	274040L	Δ	Δ
LS274.0407.02	0,75	0,5	0,11	0,46	274040L	Δ	Δ
LS274.0408.02	0,8	0,55	0,12	0,49	274040L	Δ	Δ
LS274.0610.02	1	0,6	0,14	0,61	274040L	Δ	▲
LS274.0712.02	1,25	0,7	0,15	0,77	274040L	▲	▲
LS274.0915.02	1,5	0,8	0,2	0,92	274040L	Δ	Δ

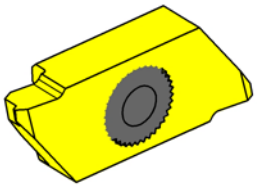
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

Plaquette amovible
Inserto

S274...E







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	P	E	r	h_1	HIS	IG35	TH35
RS274.0305.02.E	0,5	0,4	0,07	0,31	274140R	Δ	Δ
RS274.0306.02.E	0,6	0,45	0,09	0,37	274140R	Δ	Δ
RS274.0307.02.E	0,7	0,5	0,1	0,43	274140R	Δ	Δ
RS274.0407.02.E	0,75	0,5	0,11	0,46	274140R	Δ	Δ
RS274.0408.02.E	0,8	0,55	0,12	0,49	274140R	Δ	Δ
RS274.0610.02.E	1	0,6	0,14	0,61	274140R	Δ	Δ
RS274.0712.02.E	1,25	0,7	0,15	0,77	274140R	Δ	Δ
RS274.0915.02.E	1,5	0,8	0,2	0,92	274140R	Δ	Δ
LS274.0305.02.E	0,5	0,4	0,07	0,31	274140L	Δ	Δ
LS274.0306.02.E	0,6	0,45	0,09	0,37	274140L	Δ	Δ
LS274.0307.02.E	0,7	0,5	0,1	0,43	274140L	Δ	Δ
LS274.0407.02.E	0,75	0,5	0,11	0,46	274140L	Δ	Δ
LS274.0408.02.E	0,8	0,55	0,12	0,49	274140L	Δ	Δ
LS274.0610.02.E	1	0,6	0,14	0,61	274140L	Δ	Δ
LS274.0712.02.E	1,25	0,7	0,15	0,77	274140L	Δ	Δ
LS274.0915.02.E	1,5	0,8	0,2	0,92	274140L	Δ	

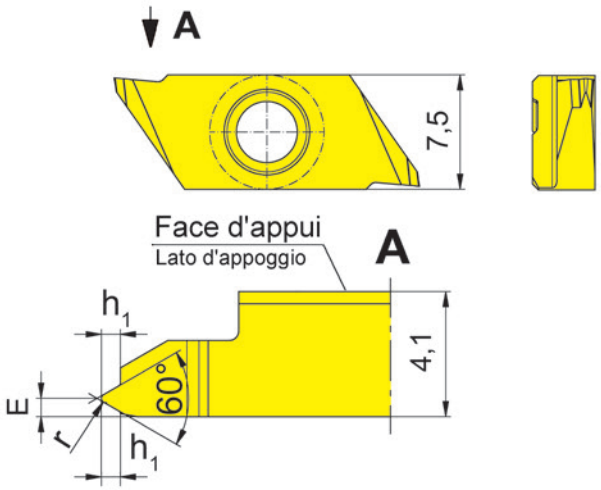
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

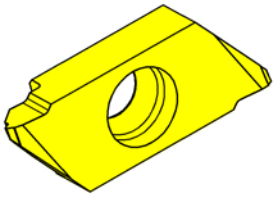
S

Plaquette amovible
Inserto

S274







S

R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	P	E	r	h_1	HIS		IG35	TH35
RS274.0305.03	0,5	0,4	0,07	0,31	274040R		Δ	▲
RS274.0306.03	0,6	0,45	0,09	0,37	274040R		Δ	Δ
RS274.0307.03	0,7	0,5	0,1	0,43	274040R		Δ	▲
RS274.0407.03	0,75	0,5	0,11	0,46	274040R		Δ	Δ
RS274.0408.03	0,8	0,55	0,12	0,49	274040R		Δ	Δ
RS274.0610.03	1	0,6	0,14	0,61	274040R		▲	▲
RS274.0712.03	1,25	0,7	0,15	0,77	274040R		Δ	Δ
RS274.0915.03	1,5	0,8	0,2	0,92	274040R		Δ	▲
LS274.0305.03	0,5	0,4	0,07	0,31	274040L		Δ	▲
LS274.0306.03	0,6	0,45	0,09	0,37	274040L		Δ	
LS274.0307.03	0,7	0,5	0,1	0,43	274040L		Δ	Δ
LS274.0407.03	0,75	0,5	0,11	0,46	274040L		Δ	Δ
LS274.0408.03	0,8	0,55	0,12	0,49	274040L		Δ	Δ
LS274.0610.03	1	0,6	0,14	0,61	274040L		Δ	Δ
LS274.0712.03	1,25	0,7	0,15	0,77	274040L		Δ	Δ
LS274.0915.03	1,5	0,8	0,2	0,92	274040L		Δ	Δ

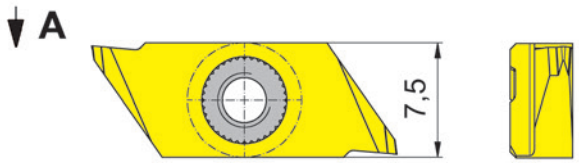
Usinage des deux flancs
Lavorazione su entrambi i fianchi

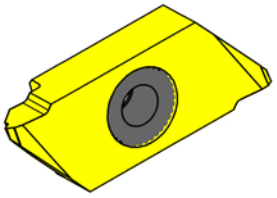
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

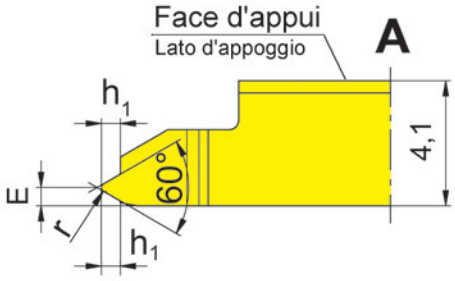
Plaquette amovible
Inserto

S274...E









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	P	E	r	h_1	HIS	IG35	TH35
RS274.0305.03.E	0,5	0,4	0,07	0,31	274140R	Δ	Δ
RS274.0306.03.E	0,6	0,45	0,09	0,37	274140R	Δ	Δ
RS274.0307.03.E	0,7	0,5	0,1	0,43	274140R	Δ	Δ
RS274.0407.03.E	0,75	0,5	0,11	0,46	274140R	Δ	Δ
RS274.0408.03.E	0,8	0,55	0,12	0,49	274140R	Δ	Δ
RS274.0610.03.E	1	0,6	0,14	0,61	274140R	Δ	Δ
RS274.0712.03.E	1,25	0,7	0,15	0,77	274140R	Δ	Δ
RS274.0915.03.E	1,5	0,8	0,2	0,92	274140R	Δ	Δ
LS274.0305.03.E	0,5	0,4	0,07	0,31	274140L	Δ	Δ
LS274.0306.03.E	0,6	0,45	0,09	0,37	274140L	Δ	Δ
LS274.0307.03.E	0,7	0,5	0,1	0,43	274140L	Δ	Δ
LS274.0407.03.E	0,75	0,5	0,11	0,46	274140L	Δ	Δ
LS274.0408.03.E	0,8	0,55	0,12	0,49	274140L	Δ	Δ
LS274.0610.03.E	1	0,6	0,14	0,61	274140L	Δ	Δ
LS274.0712.03.E	1,25	0,7	0,15	0,77	274140L	Δ	Δ
LS274.0915.03.E	1,5	0,8	0,2	0,92	274140L	Δ	Δ

Usinage des deux flancs
Lavorazione su entrambi i fianchi

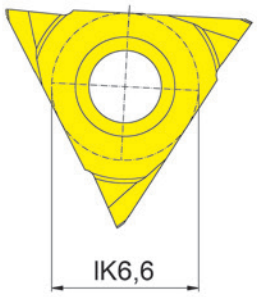
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

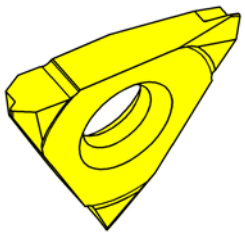
S

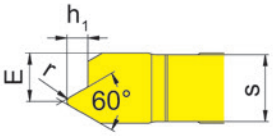
Plaquette amovible
Inserto

S32T









S

R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

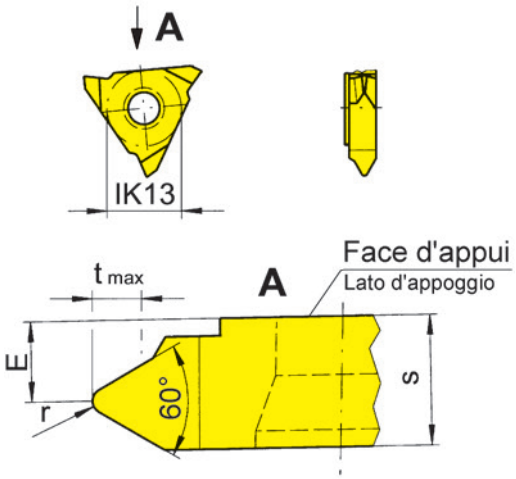
Numéro de commande Codice prodotto	P	E	r	h_1	s	HIS	EG55
RS32T.0305.02	0,5	1,6	0,07	0,32	2	32T02R	▲
RS32T.0306.02	0,6	1,5	0,09	0,38	2	32T02R	▲
RS32T.0307.02	0,7	1,5	0,1	0,44	2	32T02R	▲
RS32T.0407.02	0,75	1,5	0,11	0,47	2	32T02R	▲
RS32T.0408.02	0,8	1,4	0,12	0,5	2	32T02R	▲
RS32T.0610.02	1	1,4	0,14	0,62	2	32T02R	▲
RS32T.0712.02	1,25	1,4	0,18	0,78	2	32T02R	▲
RS32T.0915.02	1,5	1,3	0,22	0,93	2	32T02R	▲
LS32T.0305.02	0,5	1,6	0,07	0,32	2	32T02L	▲
LS32T.0306.02	0,6	1,5	0,09	0,38	2	32T02L	▲
LS32T.0307.02	0,7	1,5	0,1	0,44	2	32T02L	▲
LS32T.0407.02	0,75	1,5	0,11	0,47	2	32T02L	▲
LS32T.0408.02	0,8	1,4	0,12	0,5	2	32T02L	▲
LS32T.0610.02	1	1,4	0,14	0,62	2	32T02L	▲
LS32T.0712.02	1,25	1,4	0,18	0,78	2	32T02L	▲
LS32T.0915.02	1,5	1,3	0,22	0,93	2	32T02L	▲

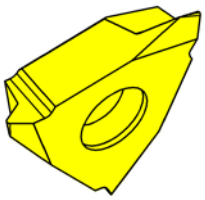
P	●
M	o
K	o
N	-
S	-
H	-

Plaquette amovible
Inserto

315







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

S

Numéro de commande Codice prodotto	P	P_{max}	E	r	t_{max}	s	HIS	TN35
R315.0610.01	1	1	4,5	0,14	0,61	5,45	31505R	▲
R315.0712.01	1,25	1,25	4,5	0,15	0,77	5,45	31505R	▲
R315.0915.01	1,5	1,5	4,15	0,2	0,92	5,45	31505R	▲
R315.1017.01	1,75	1,75	4,15	0,25	1,07	5,45	31505R	▲
R315.1220.01	2	2	4,15	0,25	1,23	5,45	31505R	▲
R315.1525.01	2,5	2,5	3,8	0,35	1,53	5,45	31505R	▲
R315.1830.01	3	3	3,6	0,4	1,84	5,45	31505R	▲
R315.3060.01	3	6	3	0,4	4,15	6,1	31505R	▲
R315.2135.01	3,5	3,5	3,4	0,5	2,15	5,45	31505R	Δ
L315.0610.01	1	1	4,5	0,14	0,61	5,45	31505L	Δ
L315.0712.01	1,25	1,25	4,5	0,15	0,77	5,45	31505L	Δ
L315.0915.01	1,5	1,5	4,15	0,2	0,92	5,45	31505L	▲
L315.1017.01	1,75	1,75	4,15	0,25	1,07	5,45	31505L	Δ
L315.1220.01	2	2	4,15	0,25	1,23	5,45	31505L	Δ
L315.1525.01	2,5	2,5	3,8	0,35	1,53	5,45	31505L	Δ
L315.1830.01	3	3	3,6	0,4	1,84	5,45	31505L	Δ
L315.3060.01	3	6	3	0,4	4,15	6,1	31505L	▲
L315.2135.01	3,5	3,5	3,4	0,5	2,15	5,45	31505L	Δ

Aucunes cales nécessaires. Tous les profils de HORN sont fabriqués avec une grande dépouille radiale.
Non è necessaria la sottoplacchetta.La HORN realizza tutti i profili dei filetti con angoli di spoglia idonei.

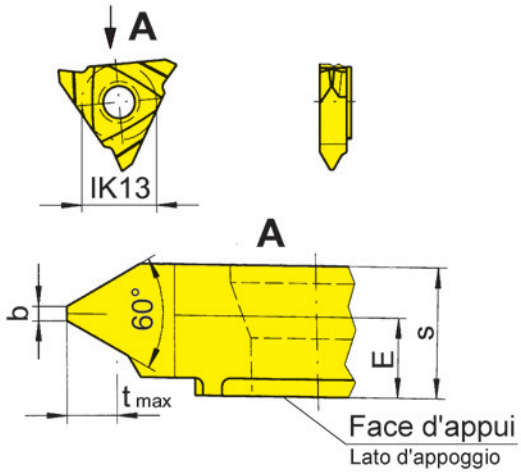
Usinage extér.
Plaquette à droite sur porte outil à droite 356, plaquette à gauche sur porte outil à gauche 356 utilisable
Lavorazione esterna:
356 - Montare inserto destro su portainserto destro e inserto sinistro su portainserto sinistro

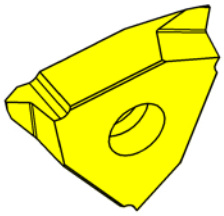
P	●
M	●
K	●
N	●
S	●
H	-

Plaquette amovible
Inserto

315







S

R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	P	E	t_{max}	b	s	D_{min}	HIS	TN35
R315.0510.01	1	4,85	0,55	0,12	5,45	40	31505R	Δ
R315.0815.01	1,5	4,65	0,81	0,18	5,45	40	31505R	Δ
R315.1020.01	2	4,45	1,08	0,25	5,45	40	31505R	Δ
R315.1325.01	2,5	4,25	1,35	0,31	5,45	43	31505R	Δ
R315.1630.01	3	4,05	1,62	0,37	5,45	43	31505R	Δ
R315.1835.01	3,5	3,9	1,89	0,43	5,45	43	31505R	Δ
L315.0815.01	1,5	4,65	0,81	0,18	5,45	40	31505L	Δ
L315.1020.01	2	4,45	1,08	0,25	5,45	40	31505L	Δ
L315.1325.01	2,5	4,25	1,35	0,31	5,45	43	31505L	Δ
L315.1630.01	3	4,05	1,62	0,37	5,45	43	31505L	Δ
L315.1835.01	3,5	3,9	1,89	0,43	5,45	43	31505L	Δ

Aucunes cales nécessaires. Tous les profils de HORN sont fabriqués avec une grande dépouille radiale.
Non è necessaria la sottoplacchetta.La HORN realizza tutti i profili dei filetti con angoli di spoglia idonei.

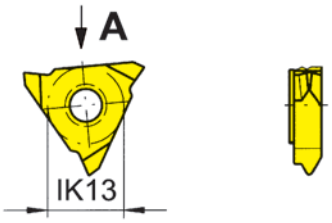
Usinage intér.
Utiliser plaquette à droite avec corps d'outil a droite 333/357, plaquette à gauche avec corps d'outil à gauche 333/357
Lavorazione interna:
Inserto destro in abbinamento a portainserto destro 333/357, inserto sinistro in abbinamento a portainserto sinsitro 333/357

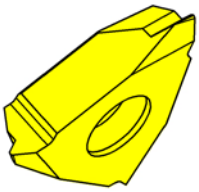
P	●
M	●
K	●
N	●
S	●
H	-

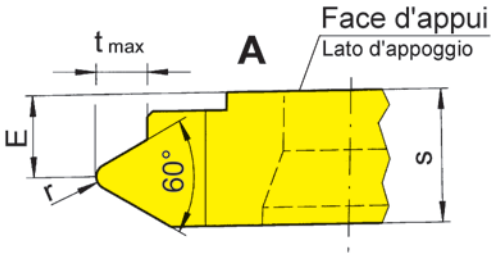
Plaquette amovible
Inserto

315









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

S

Numéro de commande Codice prodotto	P	E	r	t_{max}	s	HIS	TN35
R315.0610.02	1	4,5	0,14	0,61	5,45	31505R	▲
R315.0712.02	1,25	4,5	0,15	0,77	5,45	31505R	▲
R315.0915.02	1,5	4,15	0,2	0,92	5,45	31505R	▲
R315.1017.02	1,75	4,15	0,25	1,07	5,45	31505R	▲
R315.1220.02	2	4,15	0,25	1,23	5,45	31505R	▲
R315.1525.02	2,5	3,8	0,35	1,55	5,45	31505R	▲
R315.1830.02	3	3,6	0,4	1,84	5,45	31505R	▲
R315.2135.02	3,5	3,4	0,5	2,15	5,45	31505R	▲
R315.2440.02	4	3,3	0,55	2,45	5,45	31505R	Δ
R315.3050.02	5	4	0,7	3,07	6,5	31506R	▲
R315.3660.02	6	4,1	0,85	3,68	7	31507R	Δ
L315.0610.02	1	4,5	0,14	0,61	5,45	31505L	▲
L315.0712.02	1,25	4,5	0,15	0,77	5,45	31505L	Δ
L315.0915.02	1,5	4,15	0,2	0,92	5,45	31505L	▲
L315.1017.02	1,75	4,15	0,25	1,07	5,45	31505L	Δ
L315.1220.02	2	4,15	0,25	1,23	5,45	31505L	Δ
L315.1525.02	2,5	3,8	0,35	1,55	5,45	31505L	Δ
L315.1830.02	3	3,6	0,4	1,84	5,45	31505L	▲
L315.2135.02	3,5	3,4	0,5	2,15	5,45	31505L	Δ
L315.2440.02	4	3,3	0,55	2,45	5,45	31505L	Δ
L315.3050.02	5	4	0,7	3,07	6,5	31506L	Δ
L315.3660.02	6	4,1	0,85	3,68	7	31507L	Δ

Aucunes cales nécessaires. Tous les profils de HORN sont fabriqués avec une grande dépouille radiale.
Non è necessaria la sottoplacchetta.La HORN realizza tutti i profili dei filetti con angoli di spoglia idonei.

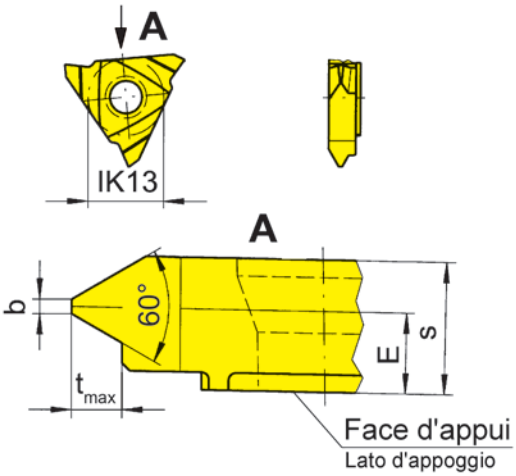
Usinage extér.
Plaquette à droite sur porte outil à droite 356, plaquette à gauche sur porte outil à gauche 356 utilisable
Lavorazione esterna:
356 - Montare inserto destro su portainserto destro e inserto sinistro su portainserto sinistro

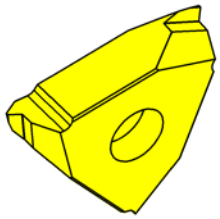
	TN35
P	●
M	●
K	●
N	●
S	●
H	-

Plaquette amovible
Inserto

315







S

R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	P	E	t_{max}	b	s	D_{min}	HIS	TN35
R315.0510.02	1	4,85	0,55	0,12	5,45	40	31505R	Δ
R315.0815.02	1,5	4,65	0,81	0,18	5,45	40	31505R	▲
R315.1020.02	2	4,45	1,08	0,25	5,45	40	31505R	▲
R315.1325.02	2,5	4,25	1,35	0,31	5,45	43	31505R	Δ
R315.1630.02	3	4,05	1,62	0,37	5,45	43	31505R	▲
R315.1835.02	3,5	3,9	1,89	0,43	5,45	43	31505R	Δ
L315.0510.02	1	4,85	0,55	0,12	5,45	40	31505L	Δ
L315.0815.02	1,5	4,65	0,81	0,18	5,45	40	31505L	Δ
L315.1020.02	2	4,45	1,08	0,25	5,45	40	31505L	Δ
L315.1325.02	2,5	4,25	1,35	0,31	5,45	43	31505L	Δ
L315.1630.02	3	4,05	1,62	0,37	5,45	43	31505L	Δ
L315.1835.02	3,5	3,9	1,89	0,43	5,45	43	31505L	Δ

P	●
M	●
K	●
N	●
S	●
H	-

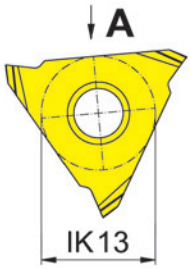
Aucunes cales nécessaires. Tous les profils de HORN sont fabriqués avec une grande dépouille radiale.
Non è necessaria la sottoplacchetta.La HORN realizza tutti i profili dei filetti con angoli di spoglia idonei.

Usinage intér.
Utiliser plaquette à droite avec corps d'outil a droite 333/357, plaquette à gauche avec corps d'outil à gauche 333/357
Lavorazione interna:
Inserto destro in abbinamento a portainserto destro 333/357, inserto sinistro in abbinamento a portainserto sinsitro 333/357

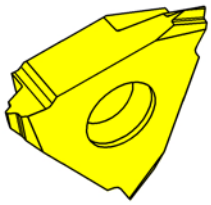
Plaquette amovible
Inserto

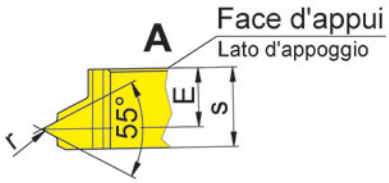
315











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	TPI	E	r	s	HIS	TH35
R315.5528.02	28	4,35	0,11	5,45	31505R	Δ
R315.5519.02	19	4,05	0,17	5,45	31505R	▲
R315.5514.02	14	3,75	0,23	5,45	31505R	▲
R315.5511.02	11	3,55	0,3	5,45	31505R	▲
L315.5528.02	28	4,35	0,11	5,45	31505L	Δ
L315.5519.02	19	4,05	0,17	5,45	31505L	Δ
L315.5514.02	14	3,75	0,23	5,45	31505L	Δ
L315.5511.02	11	3,55	0,3	5,45	31505L	Δ

P	●
M	●
K	●
N	●
S	●
H	-

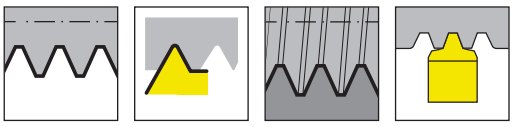
Aucunes cales nécessaires. Tous les profils de HORN sont fabriqués avec une grande dépouille radiale.
Non è necessaria la sottoplacchetta.La HORN realizza tutti i profili dei filetti con angoli di spoglia idonei.

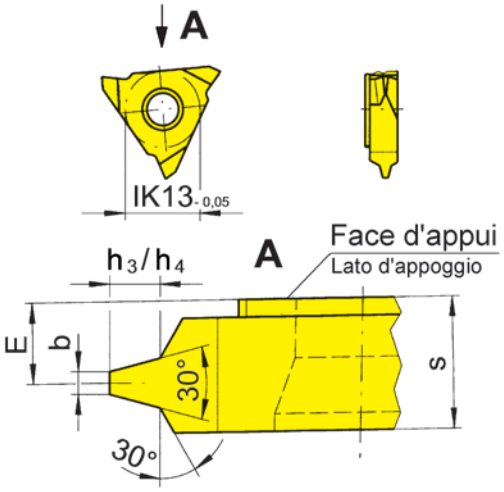
Usinage extér.
Plaquette à droite sur porte outil à droite 356, plaquette à gauche sur porte outil à gauche 356 utilisable
Lavorazione esterna:
356 - Montare inserto destro su portainserto destro e inserto sinistro su portainserto sinistro

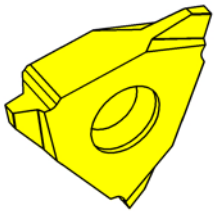
S

Plaquette amovible
Inserto

315







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	P	E	h_1	b	s	D_{min}	HIS	TN35
R315.1015.02	1,5	4,5	0,9	0,47	5,45	43	31505R	▲
R315.1320.02	2	4,3	1,25	0,6	5,45	43	31505R	▲
R315.1730.02	3	4	1,75	0,96	5,45	43	31505R	▲
R315.2240.02	4	3,6	2,25	1,33	5,45	43	31505R	▲
R315.2750.02	5	3,3	2,75	1,7	5,45	43	31505R	▲
R315.3560.02	6	3	3,5	1,93	5,45	43	31505R	▲
L315.1015.02	1,5	4,5	0,9	0,47	5,45	43	31505L	Δ
L315.1320.02	2	4,3	1,25	0,6	5,45	43	31505L	Δ
L315.1730.02	3	4	1,75	0,96	5,45	43	31505L	▲
L315.2240.02	4	3,6	2,25	1,33	5,45	43	31505L	▲
L315.2750.02	5	3,3	2,75	1,7	5,45	43	31505L	▲
L315.3560.02	6	3	3,5	1,93	5,45	43	31505L	▲

P	●
M	●
K	●
N	●
S	●
H	-

Filetage trapézoïdale DIN103
Filettatura Trapezoidale ISO-Metrica secondo DIN 103

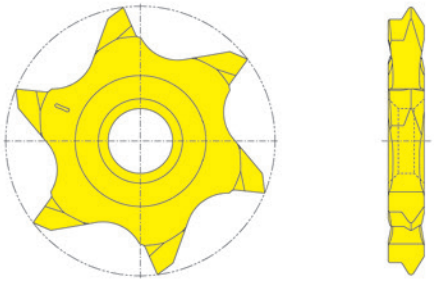
Usinage extér.
Plaquette à droite sur porte outil à droite 356, plaquette à gauche sur porte outil à gauche 356 utilisable
Lavorazione esterna:
356 - Montare inserto destro su portainserto destro e inserto sinistro su portainserto sinistro

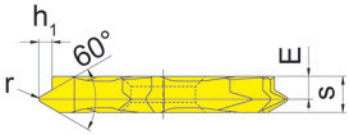
Usinage intér.
Plaquette à droite sur porte outil à gauche 333/357, plaquette à gauche sur porte outil à droite 333/357 utilisable
Lavorazione interna:
333/357 - Montare inserto destro su portainserto sinistro, inserto sinistro su portainserto destro.

Plaquette amovible
Inserto

S64T









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

S

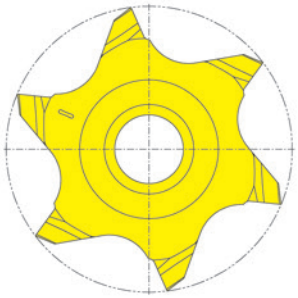
Numéro de commande Codice prodotto	P	E	r	h_1	s	HIS	EG55
RS64T.0305.02	0,5	2,8	0,07	0,32	3,4	64T02R	▲
RS64T.0306.02	0,6	2,75	0,09	0,38	3,4	64T02R	▲
RS64T.0307.02	0,7	2,7	0,1	0,44	3,4	64T02R	▲
RS64T.0407.02	0,75	2,65	0,1	0,47	3,4	64T02R	▲
RS64T.0408.02	0,8	2,6	0,11	0,5	3,4	64T02R	▲
RS64T.0610.02	1	2,5	0,14	0,62	3,4	64T02R	▲
RS64T.0712.02	1,25	2,5	0,17	0,78	3,4	64T02R	▲
RS64T.0915.02	1,5	2,2	0,21	0,93	3,4	64T02R	▲
RS64T.1017.02	1,75	2,2	0,25	1,08	3,4	64T02R	▲
RS64T.1220.02	2	2,15	0,28	1,24	3,4	64T02R	▲
LS64T.0305.02	0,5	2,8	0,07	0,32	3,4	64T02L	Δ
LS64T.0306.02	0,6	2,75	0,09	0,38	3,4	64T02L	Δ
LS64T.0307.02	0,7	2,7	0,1	0,44	3,4	64T02L	Δ
LS64T.0407.02	0,75	2,65	0,1	0,47	3,4	64T02L	Δ
LS64T.0408.02	0,8	2,6	0,11	0,5	3,4	64T02L	Δ
LS64T.0610.02	1	2,5	0,14	0,62	3,4	64T02L	Δ
LS64T.0712.02	1,25	2,5	0,17	0,78	3,4	64T02L	Δ
LS64T.0915.02	1,5	2,2	0,21	0,93	3,4	64T02L	Δ
LS64T.1017.02	1,75	2,2	0,25	1,08	3,4	64T02L	Δ
LS64T.1220.02	2	2,15	0,28	1,24	3,4	64T02L	Δ

P	●
M	o
K	o
N	-
S	-
H	-

Plaquette amovible
Inserto

S64T







S

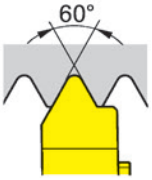
Nuance
Leghe

▲ en stock
a stock

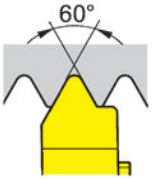
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	TPI	E	r	h_1	s	HIS	EG55
RS64T.5519.02	19	2	0,17	0,87	3,4	64T02R	Δ
RS64T.5528.02	28	2,3	0,11	0,6	3,4	64T02R	Δ
LS64T.5519.02	19	2	0,17	0,87	3,4	64T02L	Δ
LS64T.5528.02	28	2,3	0,11	0,6	3,4	64T02L	Δ
NS64T.5511.02	11	1,7	0,3	1,5	3,4	64T02N	▲
NS64T.5514.02	14	1,7	0,23	1,18	3,4	64T02N	▲

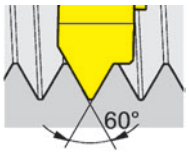
P	●
M	o
K	o
N	-
S	-
H	-



Filetage métrique standard ISO (extér.) Filettatura ISO-Metrica standard (esterne)	Profil partiel Profilo parziale	Profil plein Profilo completo
M6 (M7)	R/L315.0610.01	R/L315.0610.02
M8 (M9)	R/L315.0712.01	R/L315.0712.02
M10 (M11)	R/L315.0915.01	R/L315.0915.02
M12	R/L315.1017.01	R/L315.1017.02
M14; M16	R/L315.1220.01	R/L315.1220.02
M18; M20; M22	R/L315.1525.01	R/L315.1525.02
M24; M27	R/L315.1830.01	R/L315.1830.02
M30; M33	R/L315.2135.01	R/L315.2135.02
M36	-	R/L315.2440.02
M24 - M68	R/L315.3060.01	-
M48; M52	-	R/L315.3050.02
M64; M68	-	R/L315.3660.02



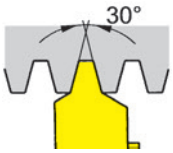
Filetage métrique pas fin ISO (extér.) Filettatura ISO-Metrica fine (esterne)	Profil partiel Profilo parziale	Profil plein Profilo completo
M7,5x1	R/L315.0610.01	R/L315.0610.02
M10x1,25	R/L315.0712.01	R/L315.0712.02
M12x1,5	R/L315.0915.01	R/L315.0915.02
M17x2	R/L315.1220.01	R/L315.1220.02
M24x2,5	R/L315.1525.01	R/L315.1525.02
M30x3	R/L315.1830.01	R/L315.1830.02



Filetage métrique pas fin ISO (intér.) Filettatura ISO-Metrica fine (interne)	Profil partiel Profilo parziale	Profil plein Profilo completo
M45x1	R/L315.0510.01	R/L315.0510.02
M45x1,5	R/L315.0815.01	R/L315.0815.02
M48x2	R/L315.1020.01	R/L315.1020.02
M48x2,5	R/L315.1325.01	R/L315.1325.02
M48x3	R/L315.1630.01	R/L315.1630.02
M48x3,5	R/L315.1835.01	R/L315.1835.02



Profil plein, Whitworth (extér.) Profilo completo, Whitworth (esterne)	Profil plein Profilo completo
$G^{1/16}$ / $G^{1/8}$	R/L315.5528.02
$G^{1/4}$ / $G^{3/8}$	R/L315.5519.02
$G^{1/2}$ / $G^{3/4}$	R/L315.5514.02
G1 - G6	R/L315.5511.02



Filetage trapéz. métriques ISO DIN103 (extér.) Filettatura trapez. ISO-Metrica DIN103 (esterne)	Profil plein Profilo completo
Tr8x1,5	R/L315.1015.02
Tr9-10x2	R/L315.1320.02
Tr12-14x3	R/L315.1730.02
Tr16-20x4	R/L315.2240.02
Tr22-28x5	R/L315.2750.02
Tr30-36x6	R/L315.3560.02

Nombres de passes recommandees
Numero di passate consigliate

	Acier (Nmm² Haute ténacité) Acciaio (N/mm² Tenacità)					Acier inox. Acciai inossid.	Fonte grise Ghise	Al
	400-500	500-700	700-850	850-1150	> 1150			
V_{max} m/min	160	140	120	90	70	90	100	300

Pas Passo		Nombre de passes Numero di passate							
		Acier (Nmm² Haute ténacité) Acciaio (N/mm² Tenacità)					Acier inox. Acciai inossid.	Fonte grise Ghise	Al
mm	fil/pouce fil./pollici	400-500	500-700	700-850	850-1150	> 1150			
0,8	32	8	8	9	9	10	10	9	8
1,0	24	10	10	12	12	12	12	12	10
1,25	20-19	12	12	14	14	15	15	14	12
1,5	16	15	15	17	17	18	18	17	15
1,75	14	17	17	19	19	21	21	18	17
2,0	12-11	19	20	22	22	25	25	20	18
2,5	10	22	24	26	26	31	31	22	20
3,0-3,5	8	28	30	32	32	38	38	24	22

S

Le nombre de passages pour le filetage indiqué dans le tableau ci-dessus n'est qu'une valeur indicative.

Il faut tenir compte des points suivants:

- Pour éviter les ruptures au niveau de l'arête de coupe, la profondeur de coupe lors de la première passe ne doit pas être trop importante.
- Les passes à vide (sans Ap) ne sont pas prises en compte dans le tableau.

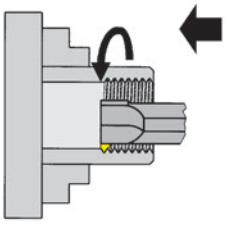
Il numero di passate consigliate nella tabella soprastante è un numero approssimativo.

Nota bene:

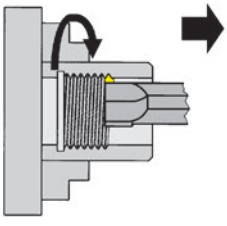
- Per evitare rotture del tagliente, la profondità della prima passata non dovrebbe essere troppo profonda
- Passate di finitura (con profondità di taglio zero) non sono considerate nella tabella

Avances filetage intérieur
Direzione d'avanzamento filettatura interna

Filetage à droite
Filettatura destra

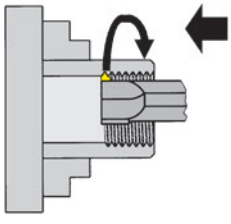


Porte outils à droite
Portainserto destro

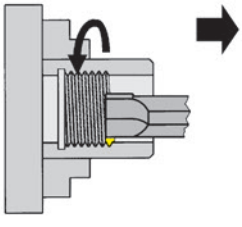


Porte outils à gauche
Portainserto sinistro

Filetage à gauche
Filettatura sinistra



Porte outils à gauche
Portainserto sinistro



Porte outils à droite
Portainserto destro

Penetration
Penetrazione

Penetration radiale
Profondeur de pénétration identique par flanc. Méthode de filetage la plus courante.



Penetrazione radiale
Sovrametallo uguale sui due fianchi del tagliente. E'il metodo più diffuso nella filettatura di produzione.

Penetration degressive sur un flanc
Effort de coupe amoindri et meilleur état de surface sur le flanc correspondant.



Penetrazione modoficata lungo un fianco
Minor usura sul tagliente che conduce e miglior finitura sul fianco corrispondente.

Penetration alternative
Utilisation alternative des arêtes de coupe prolongeant la durée de vie de plaquette.



Penetrazione alternata lungo i fianchi
Entrambi i taglienti vengono utilizzati per l'asportazione, il che significa maggior vita utensile.

Penetration parallele au flanc
Meilleure fragmentation et meilleure évacuation du copeau.



Avanzamento lungo un fianco
Formazione facilitata del truciolo e miglior dispersione del calore.

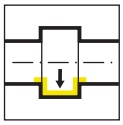


T

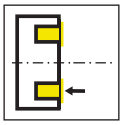
Système/Sistema	Page/Pag.
105/109/110	**490**
114	**512**
15A/25A	**524**
224	**536**
229	**552**
231	**572**
312	**578**
A315	**584**

Gorge frontale
Gole assiali

Porte outils
Portainserto
B105/BU105/H105/
HC105/VDI/B109/B110

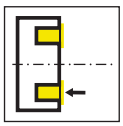


Page/Pag.
492-496



Page/Pag.
503, 506, 508

Plaquette de coupe
Inserto
105/A105/A109/A110



Page/Pag.
497-502, 504-
505, 507, 509-
510

T

105/109/110



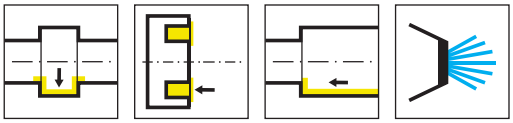
T

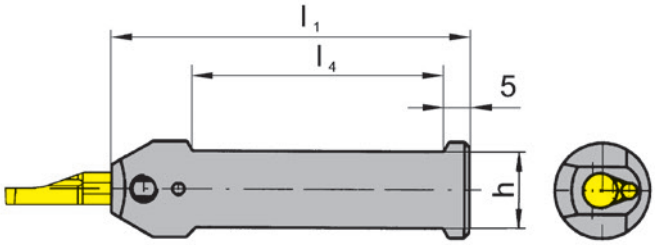
Porte outils et plaquettes

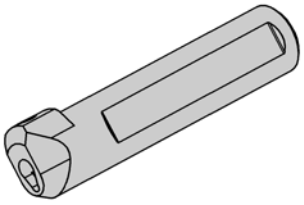
Largeur de gorge 0,5 - 3 mm

Portainserto e inserti

Larghezza della gola 0,5 - 3 mm







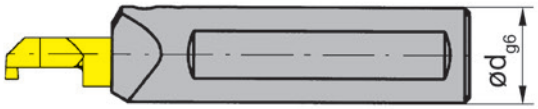


Illustration de coupe à gauche représentée
Figura = taglio sinistro

Numéro de commande Codice prodotto	d	l_1	h	l_4	HWS
B105.0010.01	10	75	9	50	105123 • 105124 • 105125
B105.0012.01	12	75	11	50	105123 • 105124 • 105125
B105.0016.01	16	75	14	50	105123 • 105124 • 105125
B105.0020.01	20	90	18	55	105123 • 105124 • 105125
B105.0022.01	22	90	20	55	105123 • 105124 • 105125
B105.0025.01	25	100	23	55	105123 • 105124 • 105125

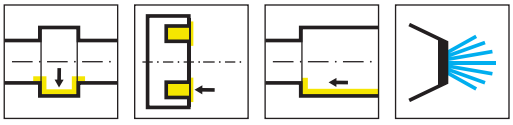
T

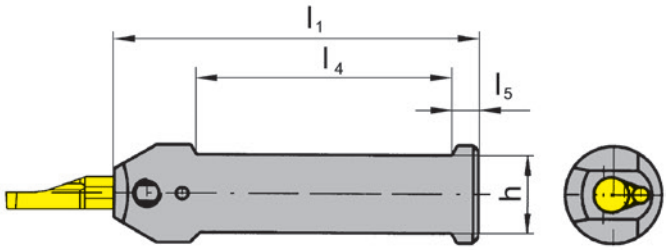
Pièces Détachées
Ricambi

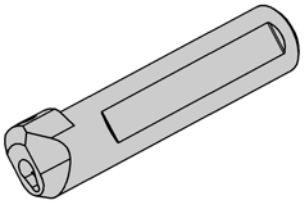
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
B105...	**6.075T15P**	**T15PQ**

Porte outils
Portainserto

B105 / BU105







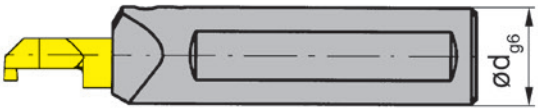


Illustration de coupe à droite représentée
Figura = taglio destro

Numéro de commande Codice prodotto	d	l_1	h	l_4	l_5	HWS
B105.0028.01	28	120	26	72	12	105123 • 105124 • 105125
BU105.0750.5.01	0,75	90	17,04	70	5	105123 • 105124 • 105125
BU105.0750.5.3.01	0,75	152,5	17,05	70	5	105123 • 105124 • 105125
BU105.1000.5.01	1	90	23,4	65	5	105123 • 105124 • 105125
BU105.1000.5.3.01	1	152,5	23,4	70	5	105123 • 105124 • 105125

Dimensions en pouce et mm
Dimensioni in pollici e mm

Adaptateur d'arrosage M12x1,5 pour machines Traub.
Le raccord du liquide de coupe ne fait pas partie de la référence.
Adattatore refrigerante M12x1,5 per macchina Traub.
L'adduttore del refrigerante non è incluso

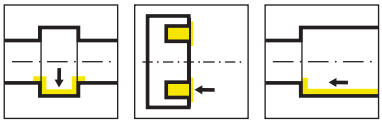
T

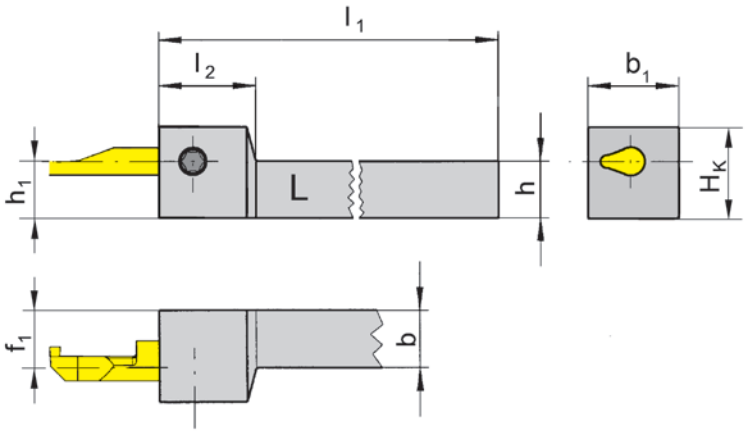
Pièces Détachées
Ricambi

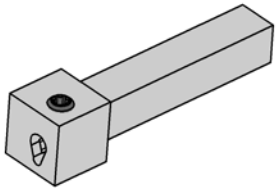
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
B105...	**6.075T15P**	**T15PQ**

Porte outils
Portainserto

H105







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

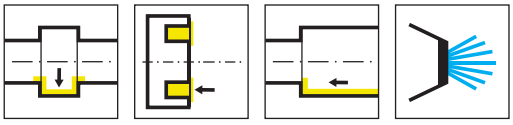
Numéro de commande Codice prodotto	h	b	l_1	h_1	b_1	f_1	H_K	l_2	HWS
RH105.0808.01	8	8	90	8	16	7,5	14	17	105123 • 105124 • 105125
RH105.1010.01	10	10	90	10	16	7,5	16	17	105123 • 105124 • 105125
RH105.1212.01	12	12	90	12	16	7,5	18	17	105123 • 105124 • 105125
RH105.1616.01	16	16	110	16	16	7,5	22	17	105123 • 105124 • 105125
LH105.0808.01	8	8	90	8	16	7,5	14	17	105123 • 105124 • 105125
LH105.1010.01	10	10	90	10	16	7,5	16	17	105123 • 105124 • 105125
LH105.1212.01	12	12	90	12	16	7,5	18	17	105123 • 105124 • 105125
LH105.1616.01	16	16	110	16	16	7,5	22	17	105123 • 105124 • 105125

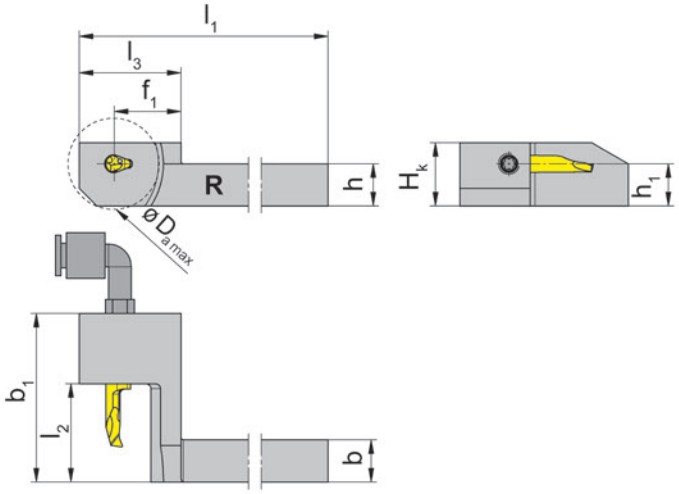
Pièces Détachées
Ricambi

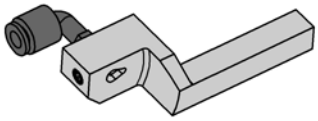
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH105...	**6.075T15P**	**T15PQ**

Porte outils
Portainserto

HC105







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

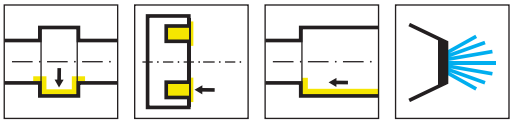
Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	b_1	f_1	$D_{a\ max}$	H_K	l_2	HWS
RHC105.0808.21	8	8	99	29	8	32	19	26	13	18	105123 • 105124 • 105125
RHC105.1010.11	10	10	99	29	10	22,7	19	26	16	8	105123 • 105124 • 105125
RHC105.1010.21	10	10	99	29	10	38	19	26	16	18	105123 • 105124 • 105125
RHC105.1010.41	10	10	99	29	10	48	19	26	16	28	105123 • 105124 • 105125
RHC105.1212.21	12	12	99	29	12	38	19	26	18	18	105123 • 105124 • 105125
RHC105.1212.41	12	12	99	29	12	48	19	26	18	28	105123 • 105124 • 105125
RHC105.1616.21	16	16	104	34	16	38	24	36	22	18	105123 • 105124 • 105125
RHC105.1616.41	16	16	104	34	16	48	24	36	22	28	105123 • 105124 • 105125
LHC105.0808.21	8	8	99	29	8	32	19	26	13	18	105123 • 105124 • 105125
LHC105.1212.21	12	12	99	29	12	38	19	26	18	18	105123 • 105124 • 105125
LHC105.1616.21	16	16	104	34	16	38	24	36	22	18	105123 • 105124 • 105125

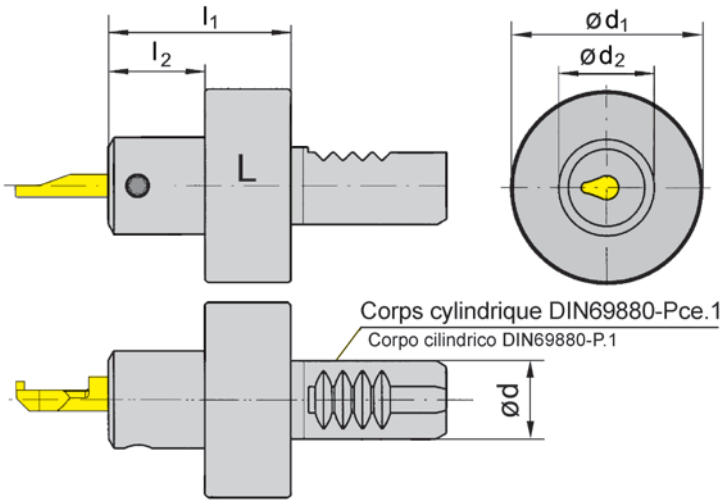
R/LHC105.07.../.08.../.1010.11 = sans arrosage
R/LHC105.07.../.08.../.1010.11 = senza lubrificazione

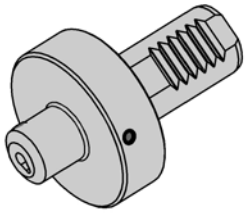
T

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LHC105...	**6.075T15P**	**T15PQ**







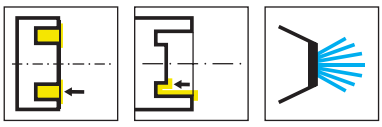
L = version à gauche représentée
L = versione sinistra come in figura

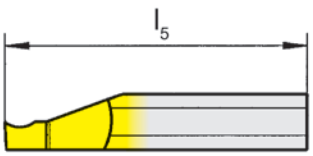
R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	d	l_1	l_2	d_2	d_1	HWS
VDI16.L105.20.01	16	38	20	20	40	105123 • 105124 • 105125
VDI16.R105.20.01	16	38	20	20	40	105123 • 105124 • 105125
VDI20.L105.20.01	20	38	20	20	50	105123 • 105124 • 105125
VDI20.R105.20.01	20	38	20	20	50	105123 • 105124 • 105125
VDI25.L105.20.01	25	38	20	20	58	105123 • 105124 • 105125
VDI25.R105.20.01	25	38	20	20	58	105123 • 105124 • 105125
VDI30.L105.20.01	30	38	20	20	68	105123 • 105124 • 105125
VDI30.R105.20.01	30	38	20	20	68	105123 • 105124 • 105125
VDI40.L105.20.01	40	38	20	20	83	105123 • 105124 • 105125
VDI40.R105.20.01	40	38	20	20	83	105123 • 105124 • 105125

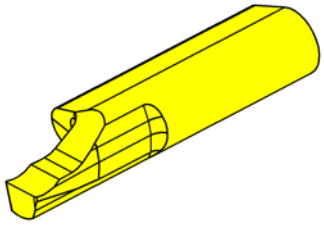
Pièces Détachées
Ricambi

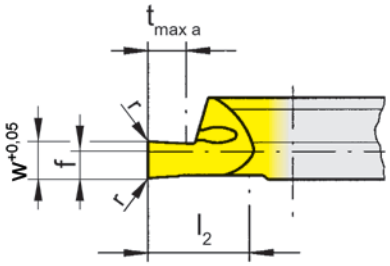
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
VDI16...	**6.075T15P**	**T15PQ**











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

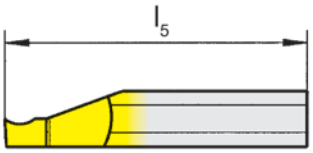
Nuance
Leghe

Δ 4 semaines
4 settimane

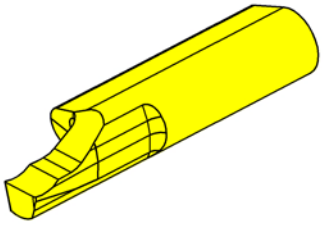
Numéro de commande Codice prodotto	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS		EG35	ES15
R105.0505.1.8	0,5	-	2	7	10	25	2	5	105125		▲	▲
										P	●	●
										M	●	●
										K	o	o
										N	-	-
										S	-	-
										H	-	-

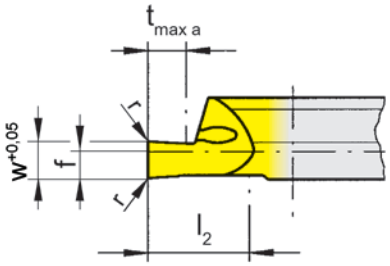
T











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

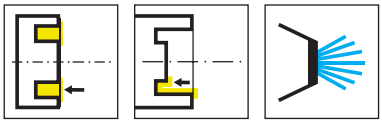
Nuance
Leghe

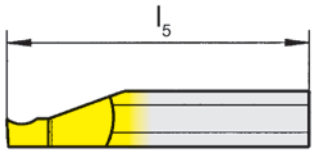
Numéro de commande Codice prodotto	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	T125
R105.0610.1.8	1	0,05	2	7	10	25	2	6	105125	▲	▲
R105.0615.1.8	1,5	0,05	2	7	10	25	3	6	105125	▲	▲
R105.0620.1.8	2	0,05	2	7	10	25	5	6	105125	▲	▲
R105.0610.2.8	1	0,05	2	7	15	35	2	6	105125	▲	▲
R105.0615.2.8	1,5	0,05	2	7	15	35	3	6	105125	▲	▲
R105.0620.2.8	2	0,05	2	7	15	35	5	6	105125	▲	▲
L105.0610.1.8	1	0,05	2	7	10	25	2	6	105125	▲	▲
L105.0615.1.8	1,5	0,05	2	7	10	25	3	6	105125	▲	▲
L105.0620.1.8	2	0,05	2	7	10	25	5	6	105125	▲	▲
L105.0610.2.8	1	0,05	2	7	15	35	2	6	105125	Δ	▲
L105.0615.2.8	1,5	0,05	2	7	15	35	3	6	105125	Δ	▲
L105.0620.2.8	2	0,05	2	7	15	35	5	6	105125	Δ	▲
									P	●	●
									M	●	●
									K	o	●
									N	-	●
									S	-	●
									H	-	-

T

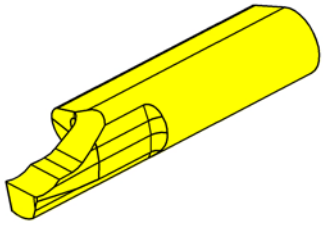
Plaquette de coupe
Inserto

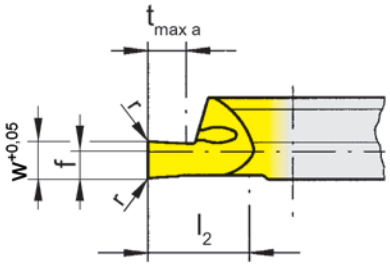
105











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

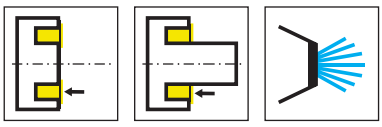
▲ en stock
a stock

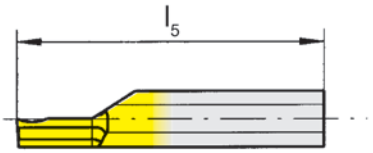
Δ 4 semaines
4 settimane

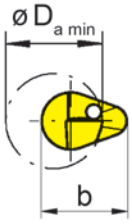
Nuance
Leghe

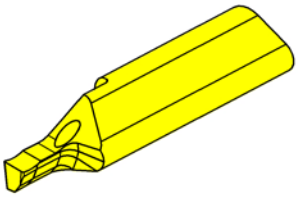
Numéro de commande Codice prodotto	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	T125
R105.0810.1.8	1	0,15	2	7	10	25	2	8	105125	▲	▲
R105.0815.1.8	1,5	0,15	2	7	10	25	3	8	105125	▲	▲
R105.0820.1.8	2	0,15	2	7	10	25	4	8	105125	▲	▲
R105.0825.1.8	2,5	0,15	2	7	10	25	5	8	105125	▲	▲
R105.0830.1.8	3	0,15	2	7	10	25	6	8	105125	▲	▲
R105.0810.2.8	1	0,15	2	7	15	35	2	8	105125	▲	▲
R105.0815.2.8	1,5	0,15	2	7	15	35	3	8	105125	▲	▲
R105.0820.2.8	2	0,15	2	7	15	35	4	8	105125	▲	▲
R105.0825.2.8	2,5	0,15	2	7	15	35	5	8	105125	▲	▲
R105.0830.2.8	3	0,15	2	7	15	35	6	8	105125	▲	▲
L105.0810.1.8	1	0,15	2	7	10	25	2	8	105125	▲	▲
L105.0815.1.8	1,5	0,15	2	7	10	25	3	8	105125	▲	▲
L105.0820.1.8	2	0,15	2	7	10	25	4	8	105125	▲	▲
L105.0825.1.8	2,5	0,15	2	7	10	25	5	8	105125	▲	▲
L105.0830.1.8	3	0,15	2	7	10	25	6	8	105125	▲	▲
L105.0810.2.8	1	0,15	2	7	15	35	2	8	105125	▲	▲
L105.0815.2.8	1,5	0,15	2	7	15	35	3	8	105125	▲	▲
L105.0820.2.8	2	0,15	2	7	15	35	4	8	105125	▲	▲
L105.0825.2.8	2,5	0,15	2	7	15	35	5	8	105125	▲	▲
L105.0830.2.8	3	0,15	2	7	15	35	6	8	105125	▲	▲
									P	●	●
									M	●	●
									K	o	●
									N	-	●
									S	-	●
									H	-	-

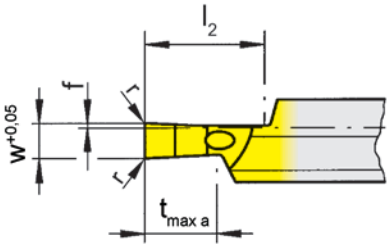
T











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

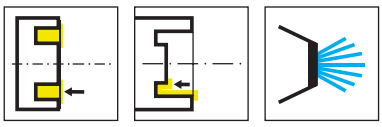
Δ 4 semaines
4 settimane

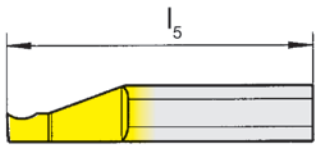
Numéro de commande Codice prodotto	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS		EG35	T125
R105.0810.1.9	1	0,15	0,4	7	10	25	2	8	105125		▲	▲
R105.0815.1.9	1,5	0,15	0,4	7	10	25	3	8	105125		▲	▲
R105.0820.1.9	2	0,15	0,4	7	10	25	4	8	105125		▲	▲
R105.0825.1.9	2,5	0,15	0,4	7	10	25	5	8	105125		▲	▲
R105.0830.1.9	3	0,15	0,4	7	10	25	6	8	105125		▲	▲
L105.0810.1.9	1	0,15	0,4	7	10	25	2	8	105125		▲	▲
L105.0815.1.9	1,5	0,15	0,4	7	10	25	3	8	105125		▲	▲
L105.0820.1.9	2	0,15	0,4	7	10	25	4	8	105125		▲	▲
L105.0825.1.9	2,5	0,15	0,4	7	10	25	5	8	105125		▲	▲
L105.0830.1.9	3	0,15	0,4	7	10	25	6	8	105125		▲	▲
										P	●	●
										M	●	●
										K	o	●
										N	-	●
										S	-	●
										H	-	-

T

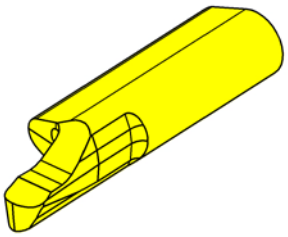
Plaquette de coupe
Inserto

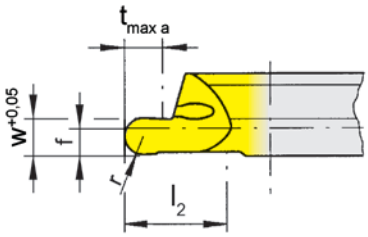
105











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

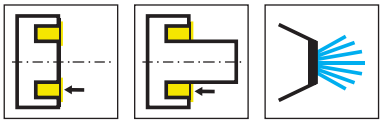
▲ en stock
a stock

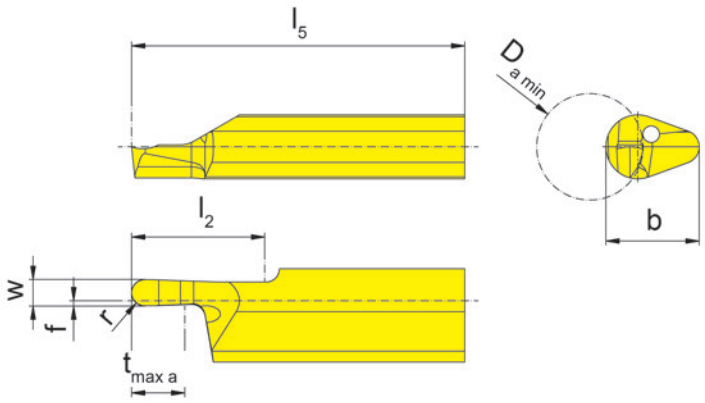
Δ 4 semaines
4 settimane

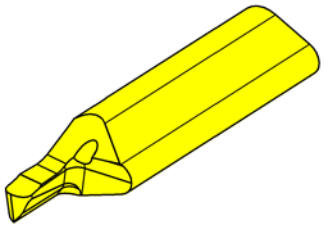
Numéro de commande Codice prodotto	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	T125
R105.8V10.1.8	1	0,5	2	7	10	25	2	8	105125	▲	▲
R105.8V16.1.8	1,6	0,8	2	7	10	25	3	8	105125	▲	▲
R105.8V20.1.8	2	1	2	7	10	25	4	8	105125	▲	▲
R105.8V25.1.8	2,5	1,25	2	7	10	25	5	8	105125	▲	▲
R105.8V30.1.8	3	1,5	2	7	10	25	6	8	105125	▲	▲
R105.8V10.2.8	1	0,5	2	7	15	35	2	8	105125	▲	▲
R105.8V16.2.8	1,6	0,8	2	7	15	35	3	8	105125	▲	▲
R105.8V20.2.8	2	1	2	7	15	35	4	8	105125	▲	▲
R105.8V25.2.8	2,5	1,25	2	7	15	35	5	8	105125	▲	▲
R105.8V30.2.8	3	1,5	2	7	15	35	6	8	105125	▲	▲
L105.8V10.1.8	1	0,5	2	7	10	25	2	8	105125	▲	▲
L105.8V16.1.8	1,6	0,8	2	7	10	25	3	8	105125	▲	▲
L105.8V20.1.8	2	1	2	7	10	25	4	8	105125	▲	▲
L105.8V25.1.8	2,5	1,25	2	7	10	25	5	8	105125	Δ	▲
L105.8V30.1.8	3	1,5	2	7	10	25	6	8	105125	▲	▲
L105.8V10.2.8	1	0,5	2	7	15	35	2	8	105125	Δ	▲
L105.8V16.2.8	1,6	0,8	2	7	15	35	3	8	105125	Δ	▲
L105.8V20.2.8	2	1	2	7	15	35	4	8	105125	▲	▲
L105.8V25.2.8	2,5	1,25	2	7	15	35	5	8	105125	Δ	Δ
L105.8V30.2.8	3	1,5	2	7	15	35	6	8	105125	Δ	▲

P	●	●
M	●	●
K	o	●
N	-	●
S	-	●
H	-	-

T







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

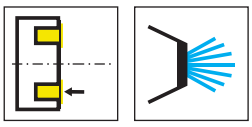
Numéro de commande Codice prodotto	w	r	f	b	l_2	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35
R105.8V10.1.9	1	0,5	0,4	7	10	25	2	8	105125	▲
R105.8V16.1.9	1,6	0,8	0,4	7	10	25	3	8	105125	▲
R105.8V20.1.9	2	1	0,4	7	10	25	4	8	105125	▲
R105.8V25.1.9	2,5	1,25	0,4	7	10	25	5	8	105125	▲
R105.8V30.1.9	3	1,5	1	7	10	25	6	8	105125	▲
L105.8V10.1.9	1	0,5	0,4	7	10	25	2	8	105125	▲
L105.8V16.1.9	1,6	0,8	0,4	7	10	25	3	8	105125	▲
L105.8V20.1.9	2	1	0,4	7	10	25	4	8	105125	▲
L105.8V25.1.9	2,5	1,25	0,4	7	10	25	5	8	105125	▲
L105.8V30.1.9	3	1,5	1	7	10	25	6	8	105125	▲

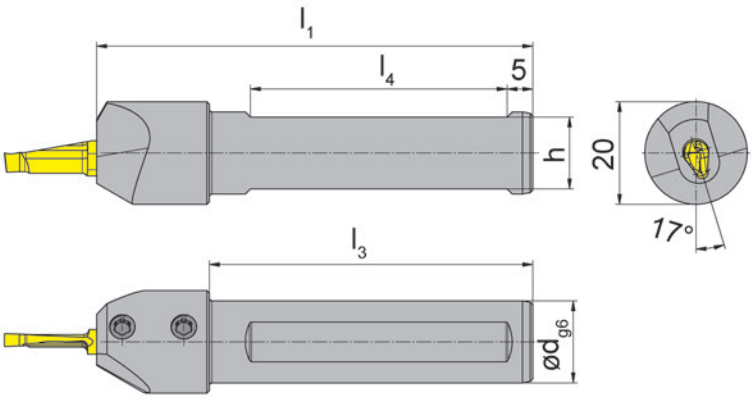
P	●
M	●
K	o
N	-
S	-
H	-

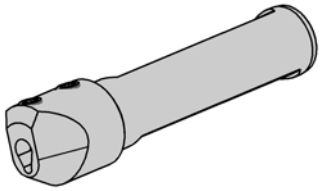
T

Porte outils
Portainserto

B105







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	d	l_1	l_3	h	l_4	HWS
RB105.0016.12.2	16	85	63	14	50	105225
RB105.0020.12.2	20	100	-	18	55	105225
LB105.0016.12.2	16	85	63	14	50	105225
LB105.0020.12.2	20	100	-	18	55	105225

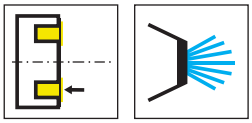
T

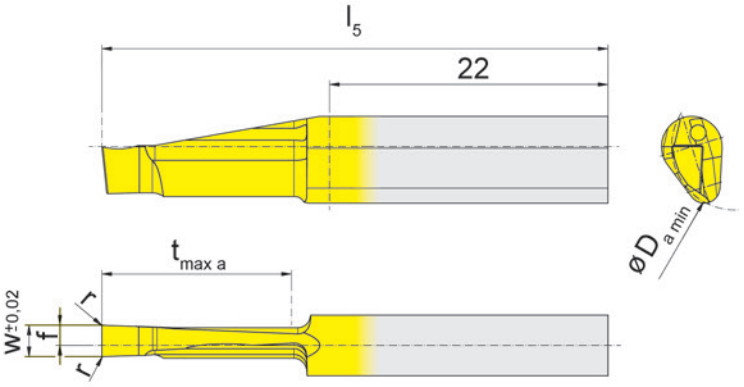
Pièces Détachées
Ricambi

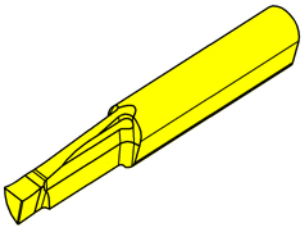
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB105...	**6.075T15P**	**T15PQ**

Plaquette de coupe
Inserto

A105







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	w	r	f	l_5	$t_{max\ a}$	$D_{a\ min}$	$D_{a\ max}$	HIS	EG35	T125
RA105.1020.2.2	2	0,1	1,4	40	15	10	44	105225	▲	▲
RA105.1025.2.2	2,5	0,1	1,6	40	15	10	45	105225	▲	▲
RA105.1030.2.2	3	0,1	1	40	15	10	46	105225	▲	▲
LA105.1020.2.2	2	0,1	1,4	40	15	10	44	105225	▲	▲
LA105.1025.2.2	2,5	0,1	1,6	40	15	10	45	105225	▲	▲
LA105.1030.2.2	3	0,1	1	40	15	10	46	105225	▲	▲

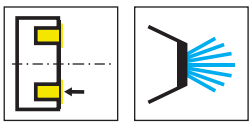
Gorge frontale sur toute la profondeur possible uniquement Da min 10 - 40 mm!
Gole frontali con larghezza e profondità max, sono solo possibili se tra Da min 10 - 40 mm!

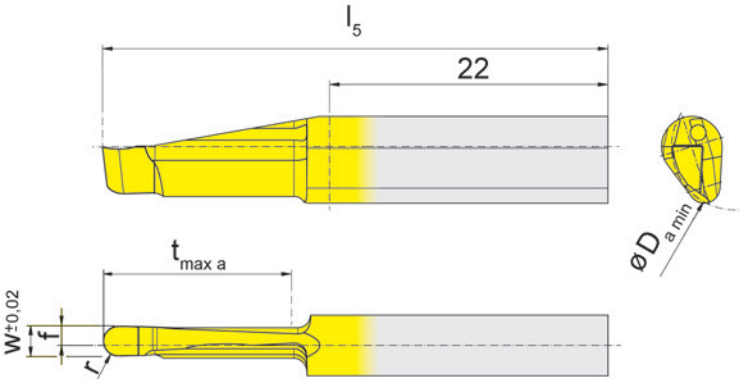
P	●	●
M	●	●
K	o	●
N	-	●
S	-	●
H	-	-

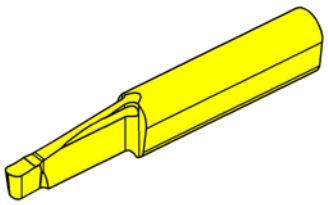
T

Plaquette de coupe
Inserto

A105







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	f	l_5	$t_{max\ a}$	$D_{a\ min}$	$D_{a\ max}$	HIS	EG35	T125
RA105.1020.10.2.2	2	1	1,4	40	15	10	44	105225	▲	▲
RA105.1025.12.2.2	2,5	1,25	1,6	40	15	10	45	105225	Δ	▲
RA105.1030.15.2.2	3	1,5	1,9	40	15	10	46	105225	▲	▲
LA105.1020.10.2.2	2	1	1,4	40	15	10	44	105225	Δ	▲
LA105.1025.12.2.2	2,5	1,25	1,6	40	15	10	45	105225	Δ	Δ
LA105.1030.15.2.2	3	1,5	1,9	40	15	10	46	105225	Δ	▲

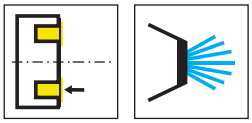
Gorge frontale sur toute la profondeur possible uniquement Da min 10 - 40 mm!
Gole frontali con larghezza e profondità max, sono solo possibili se tra Da min 10 - 40 mm!

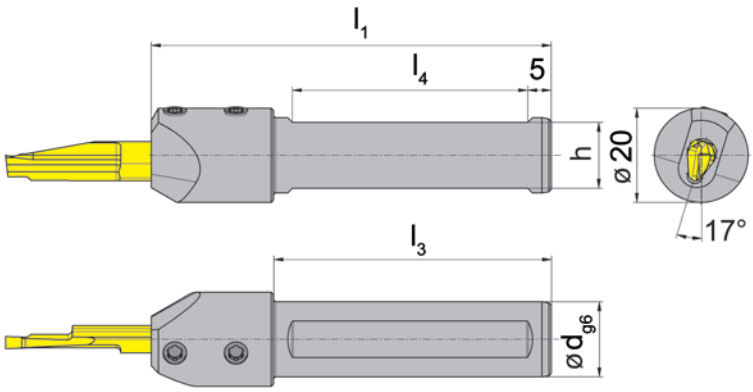
	EG35	T125
P	●	●
M	●	●
K	o	●
N	-	●
S	-	●
H	-	-

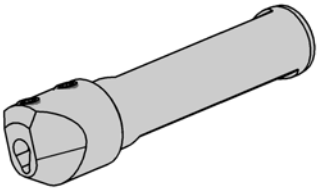
T

Porte outils
Portainserto

B109







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	l_3	h	l_4	HWS
RB109.0016.14.2	16	85	59	14	50	109240
LB109.0016.14.2	16	85	59	14	50	109240

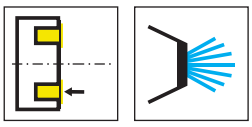
T

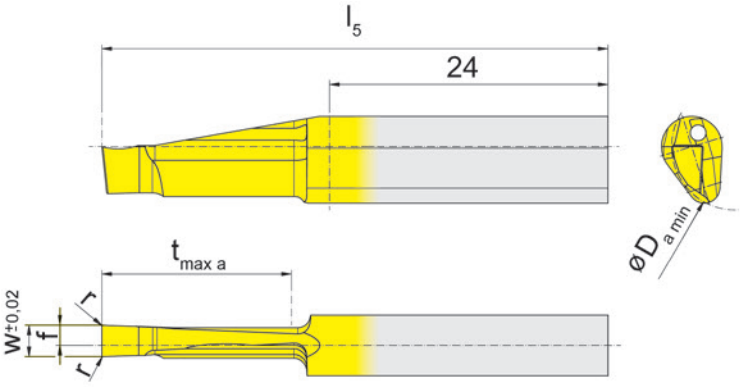
Pièces Détachées
Ricambi

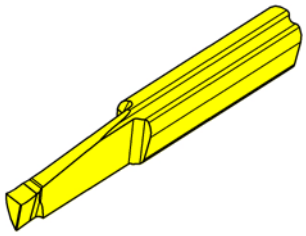
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB109.0016.14.2	**6.075T15P**	**T15PQ**

Plaquette de coupe
Inserto

A109







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Nuance
Leghe

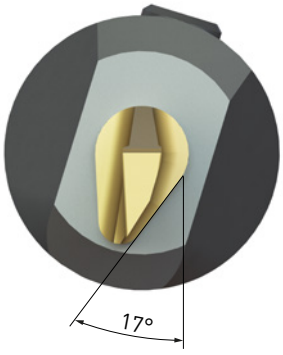
▲ en stock
a stock

Δ 4 semaines
4 settimane

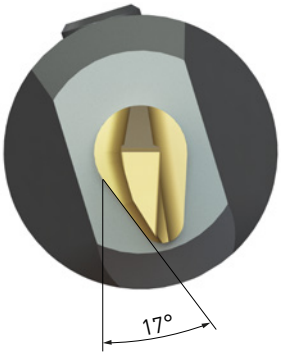
Numéro de commande Codice prodotto	w	r	f	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	T125
RA109.1520.3.2	2	0,1	1	48	20	15	109240	▲
RA109.1525.3.2	2,5	0,1	1,2	48	20	15	109240	▲
RA109.1530.3.2	3	0,1	1,5	48	20	15	109240	▲
LA109.1520.3.2	2	0,1	1	48	20	15	109240	Δ
LA109.1525.3.2	2,5	0,1	1,2	48	20	15	109240	Δ
LA109.1530.3.2	3	0,1	1,5	48	20	15	109240	▲

Gorge frontale sur toute la profondeur possible uniquement Da min 15 - 40 mm!
Gole frontali con larghezza e profondità max, sono solo possibili se tra Da min 15 - 40 mm!

P	●
M	●
K	●
N	●
S	●
H	-



RA109 → RB109

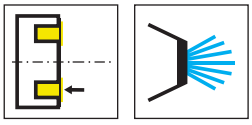


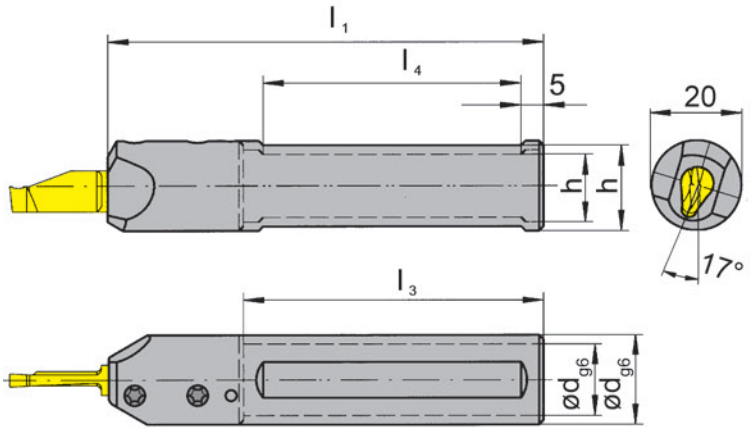
LA109 → LB109

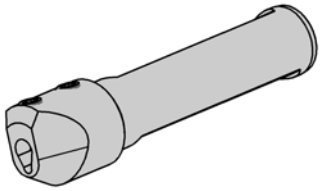
T

Porte outils
Portainserto

B110







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	d	l_1	l_3	h	l_4	HWS
RB110.0016.16.2	16	100	70	14	55	110260
RB110.0020.16.2	20	100	-	18	55	110260
LB110.0016.16.2	16	100	70	14	55	110260
LB110.0020.16.2	20	100	-	18	55	110260

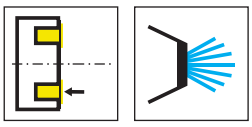
T

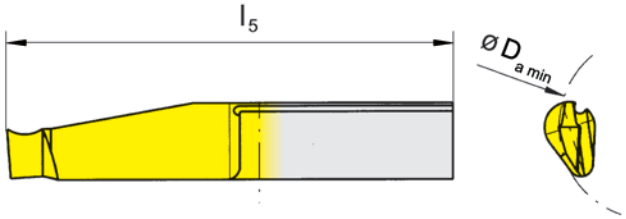
Pièces Détachées
Ricambi

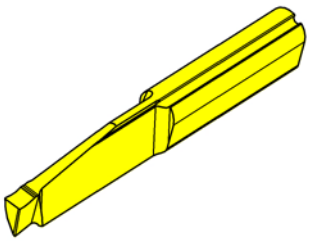
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB110...	**6.075T15P**	**T15PQ**

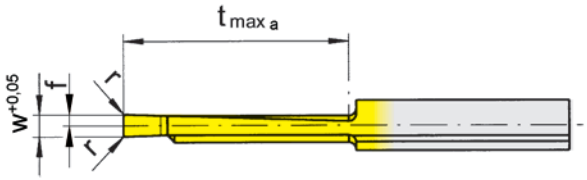
Plaquette de coupe
Inserto

A110









L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

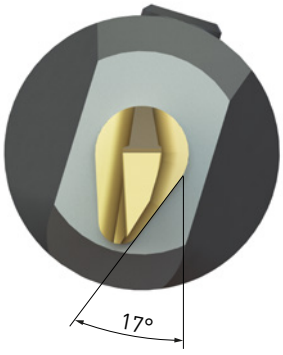
Nuance
Leghe

▲ en stock
a stock

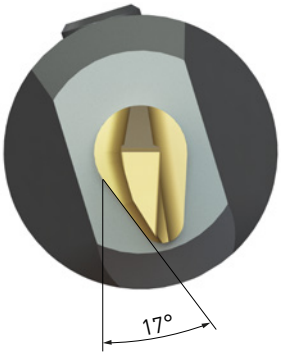
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	f	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	TH35	TI25	TN35
RA110.2030.3.0	3	0,2	1,5	50	20	20	110260	▲	▲	▲	▲
RA110.2030.5.0	3	0,2	1,5	60	30	20	110260	▲	▲	▲	▲
RA110.5030.3.0	3	0,2	1,5	50	20	50	110260	▲		▲	
RA110.5030.5.0	3	0,2	1,5	60	30	50	110260	▲		▲	
LA110.2030.3.0	3	0,2	1,5	50	20	20	110260	▲	▲	▲	▲
LA110.2030.5.0	3	0,2	1,5	60	30	20	110260	▲	▲	▲	▲
LA110.5030.3.0	3	0,2	1,5	50	20	50	110260	▲		▲	
LA110.5030.5.0	3	0,2	1,5	60	30	50	110260	▲		▲	
								P	●	●	●	●
								M	●	●	●	●
								K	o	●	●	●
								N	-	●	●	●
								S	-	●	●	●
								H	-	-	-	-

Gorge frontale sur toute la profondeur possible uniquement Da min 20 - 50 mm.
Gole frontali con larghezza e profondità max, sono solo possibili se tra Da min 20 - 50 mm.



RA110 → RB110

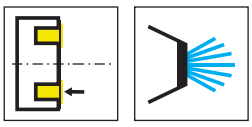


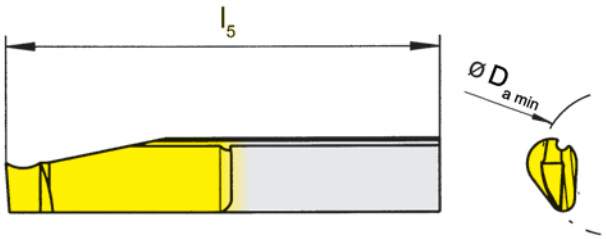
LA110 → LB110

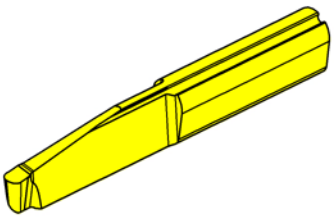
T

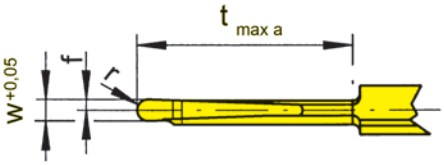
Plaquette de coupe
Inserto

A110









L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

▲ en stock
a stock

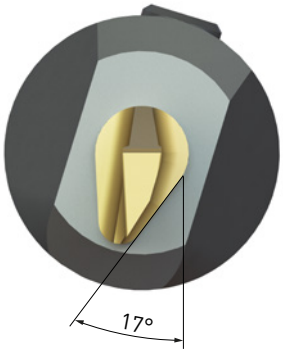
Δ 4 semaines
4 settimane

Nuance
Leghe

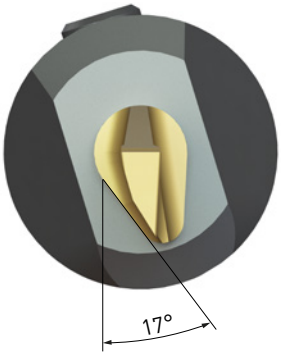
Numéro de commande Codice prodotto	w	r	f	l_5	$t_{max\ a}$	$D_{a\ min}$	HIS	EG35	TN35
RA110.2030.15.5.0	3	1,5	1,5	60	30	20	110260	▲	▲
LA110.2030.15.5.0	3	1,5	1,5	60	30	20	110260	▲	▲

Gorge frontale sur toute la profondeur possible uniquement Da min 20 - 50 mm.
Gole frontali con larghezza e profondità max, sono solo possibili se tra Da min 20 - 50 mm.

	EG35	TN35
P	●	●
M	●	●
K	o	●
N	-	●
S	-	●
H	-	-



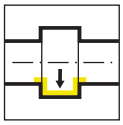
RA110 → RB110



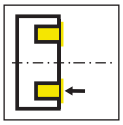
LA110 → LB110

Gorge frontale
Gole assiali

Porte outils
Portainserto
B114/BA114/HC114

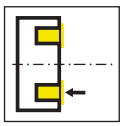


Page/Pag.
514-515



Page/Pag.
516-517

Plaquette de coupe
Inserto
114



Page/Pag.
518-523

T

114



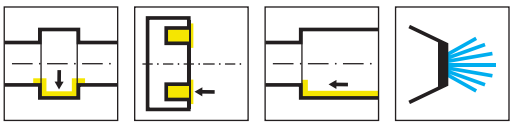
T

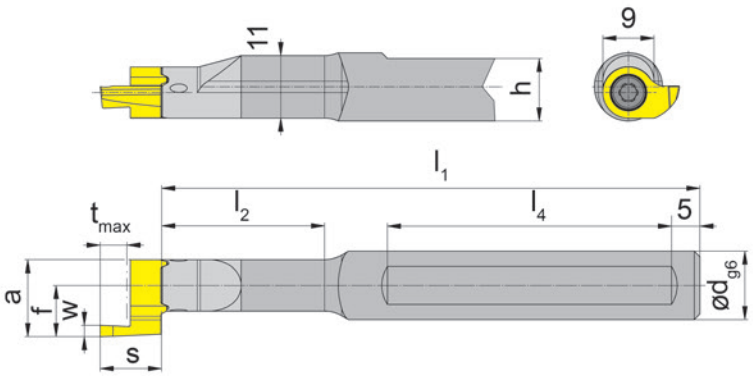
Porte outils et plaquettes

Largeur de gorge 1 - 3 mm

Portainserto e inserti

Larghezza della gola 1 - 3 mm





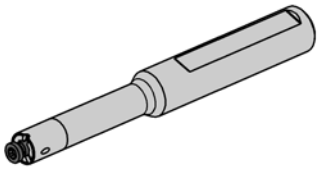


Illustration de coupe à droite représentée
Figura = taglio destro

Numéro de commande Codice prodotto	d	l_1	l_2	h	l_4	HWS
B114.0012.00	12	69,7	14,2	11	40	114090R • 114090L
B114.0012.01	12	94,7	28,7	11	50	114090R • 114090L
B114.0012.02	12	104,7	39,7	11	50	114090R • 114090L
B114.0012.03	12	124,7	58,7	11	50	114090R • 114090L
B114.0016.00	16	74,7	14,2	15	40	114090R • 114090L
B114.0016.01	16	94,7	28,7	15	50	114090R • 114090L
B114.0016.02	16	104,7	39,7	15	50	114090R • 114090L
B114.0016.03	16	124,7	58,7	15	50	114090R • 114090L

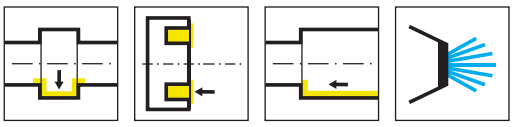
w, a, s, tmax et f voir plaquettes
w, a, s, tmax, f vd. Inserti

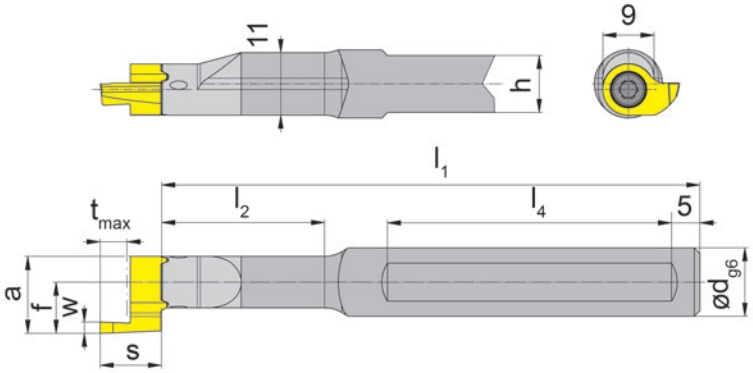
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
B114...	**4.12T15EP**	**T15PQ**

Porte outils
Portainserto

B114





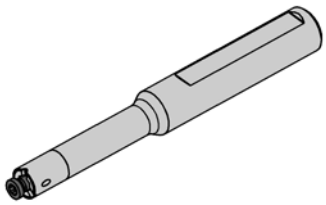


Illustration de coupe à droite représentée
Figura = taglio destro

Numéro de commande Codice prodotto	d	l_1	l_2	h	l_4	HWS
B114.0012.2.00	12	69,7	14,2	11	40	114090R • 114090L
B114.0012.2.01	12	94,7	28,7	11	50	114090R • 114090L
B114.0012.2.02	12	104,7	39,7	11	50	114090R • 114090L
B114.0012.2.03	12	124,7	58,7	11	50	114090R • 114090L
B114.0016.2.00	16	74,7	14,2	14	40	114090R • 114090L
B114.0016.2.01	16	94,7	28,7	14	50	114090R • 114090L
B114.0016.2.02	16	104,7	39,7	14	50	114090R • 114090L
B114.0016.2.03	16	124,7	58,7	14	50	114090R • 114090L

w, a, s, tmax et f voir plaquettes
w, a, s, tmax, f vd. Inserti

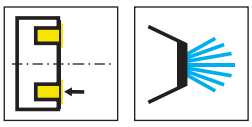
T

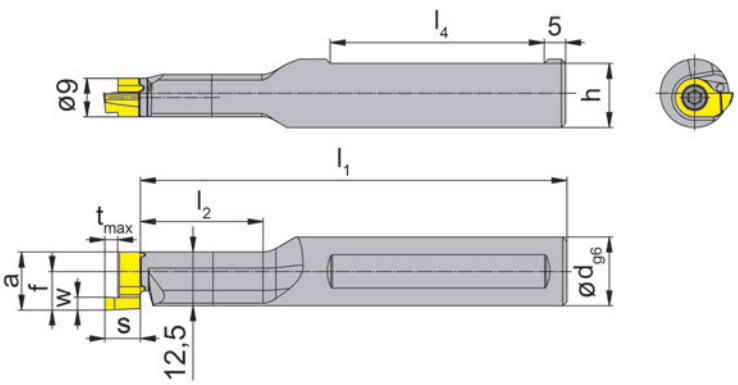
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
B114...	**4.12T15EP**	**T15PQ**

Porte outils
Portainserto

BA114





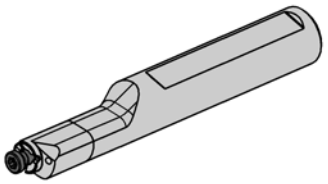


Illustration de coupe à droite représentée
Figura = taglio destro

Numéro de commande Codice prodotto	d	l_1	l_2	h	l_4	HWS
RBA114.0016.01	16	99,7	28,7	15	50	114090R • 114090L
RBA114.0016.02	16	109,7	39,7	15	50	114090R • 114090L
LBA114.0016.01	16	99,7	28,7	15	50	114090R • 114090L
LBA114.0016.02	16	109,7	39,7	15	50	114090R • 114090L

w, a, s, tmax et f voir plaquettes
w, a, s, tmax, f vd. Inserti

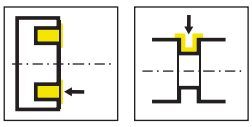
T

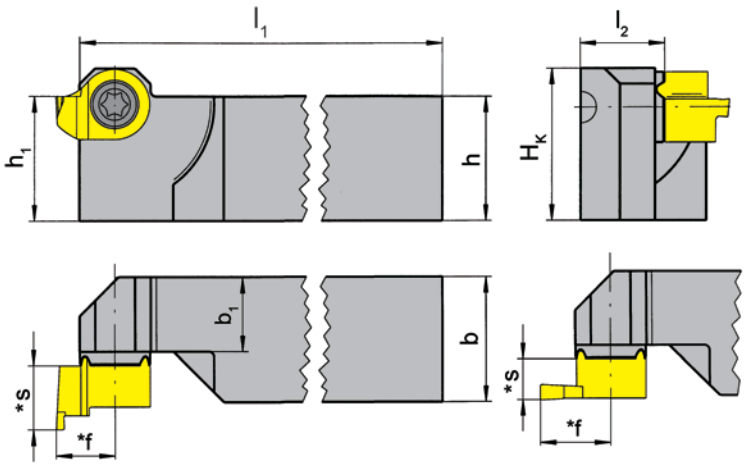
Pièces Détachées
Ricambi

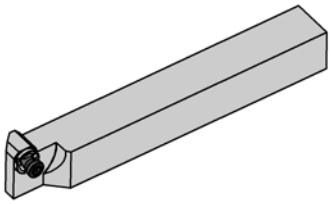
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LBA114...	**4.12T15EP**	**T15PQ**

Porte outils
Portainserto

HC114







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	b_1	H_K	HWS
RHC114.1212.01	12	12	122	11,2	12	9,5	15,6	114090R • 114090L
RHC114.1616.01	16	16	122	11,2	16	9,5	19,6	114090R • 114090L
RHC114.2020.01	20	20	122	15,2	20	13,5	23,6	114090R • 114090L
RHC114.2525.01	25	25	147	20,2	25	18,5	28,6	114090R • 114090L
LHC114.1212.01	12	12	122	11,2	12	9,5	15,6	114090R • 114090L
LHC114.1616.01	16	16	122	11,2	16	9,5	19,6	114090R • 114090L
LHC114.2020.01	20	20	122	15,2	20	13,5	23,6	114090R • 114090L
LHC114.2525.01	25	25	147	20,2	25	18,5	28,6	114090R • 114090L

* voir plaquettes
* vd. inserti

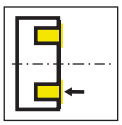
Porte outils droite sont utilisable pour les plaquettes à gauche Porte outils gauche sont utilisable pour les plaquettes à droite
Utilizzare portainserto destro su inserto sinistro. Utilizzare portainserto sinistro su inserto destro.

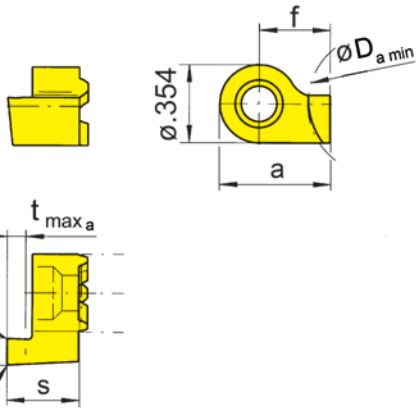
Pièces Détachées
Ricambi

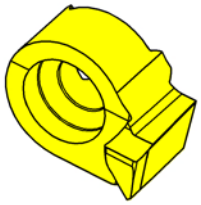
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LHC114...	**4.12T15EP**	**T15PQ**

Plaquette de coupe
Inserto

114







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	s	f	a	r	$t_{max\ a}$	$D_{a\ min}$	HIS	EG55	TN35
R114.1210.00	1	8,3	7,5	12	-	1,5	12	114090R	▲	▲
R114.1215.00	1,5	8,3	7,5	12	0,2	2,5	12	114090R	▲	▲
R114.1220.00	2	8,3	7,5	12	0,2	3	12	114090R	▲	▲
R114.1225.00	2,5	8,3	7,5	12	0,2	3	12	114090R	▲	▲
R114.1230.00	3	8,3	7,5	12	0,2	3	12	114090R	▲	▲
R114.1220.5.00	2	10,8	7,5	12	0,2	5	12	114090R	▲	▲
R114.1225.5.00	2,5	10,8	7,5	12	0,2	5	12	114090R	▲	▲
R114.1230.6.00	3	11,8	7,5	12	0,2	6	12	114090R	▲	▲
L114.1210.00	1	8,3	7,5	12	-	1,5	12	114090L	▲	▲
L114.1215.00	1,5	8,3	7,5	12	0,2	2,5	12	114090L	▲	▲
L114.1220.00	2	8,3	7,5	12	0,2	3	12	114090L	▲	▲
L114.1225.00	2,5	8,3	7,5	12	0,2	3	12	114090L	▲	▲
L114.1230.00	3	8,3	7,5	12	0,2	3	12	114090L	▲	▲
L114.1220.5.00	2	10,8	7,5	12	0,2	5	12	114090L	▲	▲
L114.1225.5.00	2,5	10,8	7,5	12	0,2	5	12	114090L	▲	▲
L114.1230.6.00	3	11,8	7,5	12	0,2	6	12	114090L	▲	▲

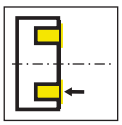
P	●	●
M	o	●
K	o	●
N	-	●
S	-	●
H	-	-

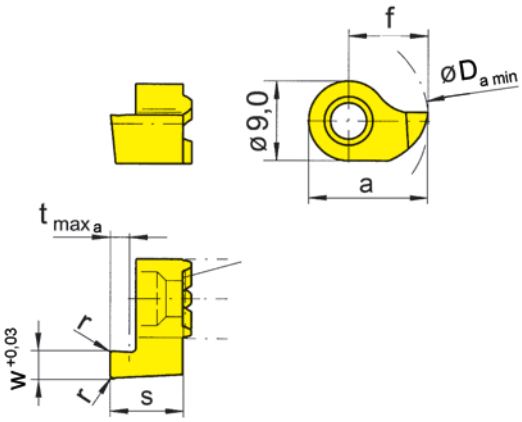
Usinage frontal le long d'un axe!
Lavorazione oltre l'asse del pezzo

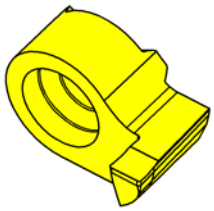
R = rotation antihoraire! Utiliser les plaquettes à gorges frontales type 114 sur les porte outils type B114 la cote l1 et l2 doivent êtres augmentées de 3,0 / 5,5 ou 6,5 mm.
R = rotazione senso antiorario! Utilizzando l'inserto tipo 114 per gole assiali con portainserto B114 le quote l1 e l2 devono essere incrementate di 3,0 / 5,5 o 6,5 mm.

Plaquette de coupe
Inserto

114







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	s	f	a	r	$t_{max\ a}$	$D_{a\ min}$	HIS	EG55	TN35
R114.1410.00	1	8,3	9	13,5	-	1,5	14	114090R	▲	▲
R114.1415.00	1,5	8,3	9	13,5	0,2	2,5	14	114090R	▲	▲
R114.1420.00	2	8,3	9	13,5	0,2	3	14	114090R	▲	▲
R114.1425.00	2,5	8,3	9	13,5	0,2	3	14	114090R	▲	▲
R114.1430.00	3	8,3	9	13,5	0,2	3	14	114090R	▲	▲
R114.1420.5.00	2	10,8	9	13,5	0,2	5	14	114090R	▲	▲
R114.1425.5.00	2,5	10,8	9	13,5	0,2	5	14	114090R	▲	▲
R114.1430.6.00	3	11,8	9	13,5	0,2	6	14	114090R	▲	▲
L114.1410.00	1	8,3	9	13,5	-	1,5	14	114090L	▲	▲
L114.1415.00	1,5	8,3	9	13,5	0,2	2,5	14	114090L	▲	▲
L114.1420.00	2	8,3	9	13,5	0,2	3	14	114090L	▲	▲
L114.1425.00	2,5	8,3	9	13,5	0,2	3	14	114090L	▲	▲
L114.1430.00	3	8,3	9	13,5	0,2	3	14	114090L		▲
L114.1420.5.00	2	10,8	9	13,5	0,2	5	14	114090L	▲	▲
L114.1425.5.00	2,5	10,8	9	13,5	0,2	5	14	114090L	▲	▲
L114.1430.6.00	3	11,8	9	13,5	0,2	6	14	114090L	▲	▲

P	●	●
M	o	●
K	o	●
N	-	●
S	-	●
H	-	-

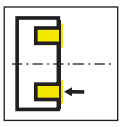
Usinage frontal!
Lavorazione a cavallo del pezzo

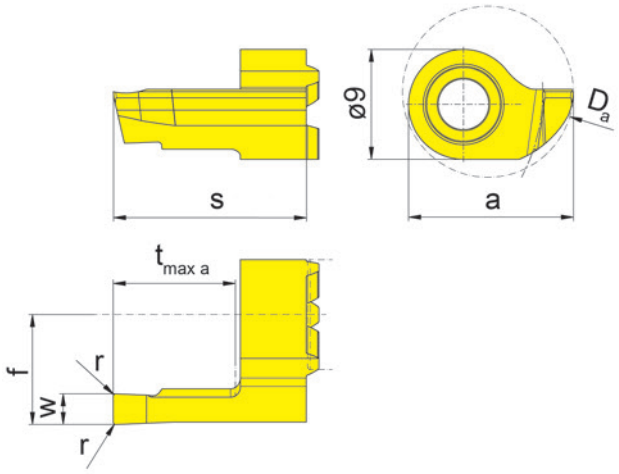
R = rotation horaire! Utiliser les plaquettes à gorges frontales type 114 sur les porte outils type B114 la cote l1 et l2 doivent êtres augmentées de 3,0 / 5,5 ou 6,5 mm.
R = rotazione senso orario! Utilizzando l'inserto tipo 114 per gole assiali con portainserto B114 le quote l1 e l2 devono essere incrementate di 3,0 / 5,5 o 6,5 mm.

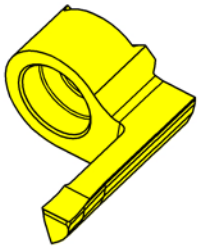
T

Plaquette de coupe
Inserto

114







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	s	f	a	r	$t_{max\ a}$	$D_{a\ min}$	$D_{a\ max}$	HIS	EG55
R114.1420.10.00	2	15,9	9	13,5	0,2	10	14	34	114090R	▲
R114.1425.10.00	2,5	15,9	9	13,5	0,2	10	14	35	114090R	▲
R114.1430.10.00	3	15,9	9	13,5	0,2	10	14	36	114090R	▲

P	●
M	o
K	o
N	-
S	-
H	-

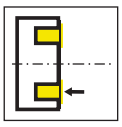
Usinage frontal!
Lavorazione a cavallo del pezzo

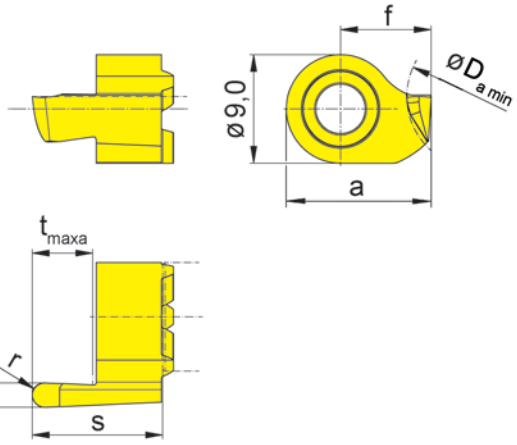
R = rotation horaire! Utiliser les plaquettes à gorges frontales type 114 sur les porte outils type B114 la cote l1 et l2 doivent êtres augmentées de 3,0 / 5,5 ou 6,5 mm.
R = rotazione senso orario! Utilizzando l'inserto tipo 114 per gole assiali con portainserto B114 le quote l1 e l2 devono essere incrementate di 3,0 / 5,5 o 6,5 mm.

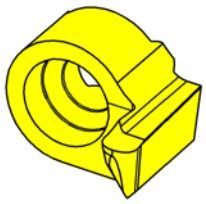
T

Plaquette de coupe
Inserto

114







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	s	f	a	r	$t_{max\ a}$	$D_{a\ min}$	HIS	EG55	TN35
R114.1220.5.10	2	10,8	7,5	12	1	5	12	114090R	▲	▲
R114.1225.5.12	2,5	10,8	7,5	12	1,25	5	12	114090R	▲	▲
R114.1230.6.15	3	11,8	7,5	12	1,5	6	12	114090R	▲	▲
L114.1220.5.10	2	10,8	7,5	12	1	5	12	114090L	▲	▲
L114.1225.5.12	2,5	10,8	7,5	12	1,25	5	12	114090L	▲	▲
L114.1230.6.15	3	11,8	7,5	12	1,5	6	12	114090L	▲	▲

P	●	●
M	o	●
K	o	●
N	-	●
S	-	●
H	-	-

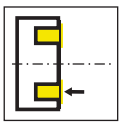
Rayon complet Usinage frontal le long d'un axe!
Raggio completo Lavorazione oltre l'asse del pezzo

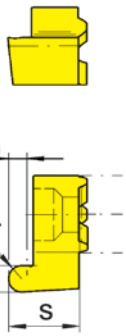
R = rotation anti horaire! Utiliser les plaquettes à gorges frontales type 114 sur les porte outils type B114 la cote l1 et l2 doivent êtres augmentées de 5,5 ou 6,5 mm.
R = rotazione anti-oraria! Utilizzando l'inserto per gole assiali tipo 114 sul portainserto tipo B114, la dimensione l1 e l2 aumenteranno di 5,5 o 6,5 mm.

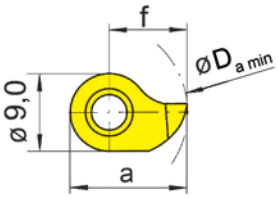
T

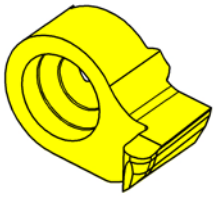
Plaquette de coupe
Inserto

114









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	s	f	a	r	$t_{max\ a}$	$D_{a\ min}$	HIS	EG55	TN35
R114.1410.05	1	8,3	9	13,5	0,5	1,5	14	114090R	▲	▲
R114.1416.08	1,6	8,3	9	13,5	0,8	2,5	14	114090R	▲	▲
R114.1420.10	2	8,3	9	13,5	1	3	14	114090R	▲	▲
R114.1425.12	2,5	8,3	9	13,5	1,25	3	14	114090R	▲	▲
R114.1430.15	3	8,3	9	13,5	1,5	3	14	114090R	▲	▲
L114.1410.05	1	8,3	9	13,5	0,5	1,5	14	114090L	▲	▲
L114.1416.08	1,6	8,3	9	13,5	0,8	2,5	14	114090L	▲	▲
L114.1420.10	2	8,3	9	13,5	1	3	14	114090L	▲	▲
L114.1425.12	2,5	8,3	9	13,5	1,25	3	14	114090L	▲	▲
L114.1430.15	3	8,3	9	13,5	1,5	3	14	114090L	Δ	▲

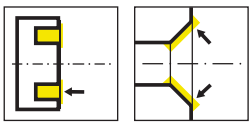
P	●	●
M	o	●
K	o	●
N	-	●
S	-	●
H	-	-

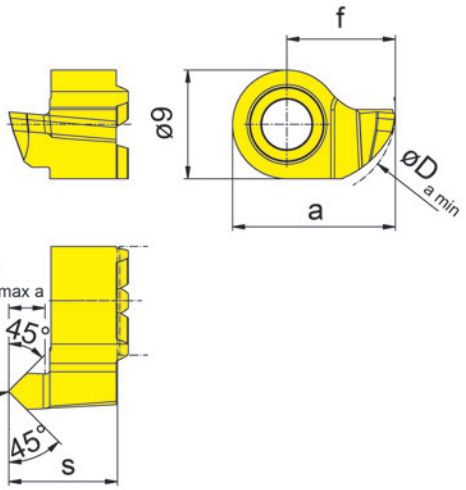
Rayon complet **Usinage frontal!**
Raggio completo Lavorazione a cavallo del pezzo

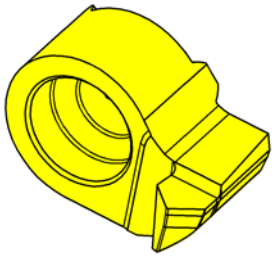
R = rotation horaire! Utiliser les plaquettes à gorges frontales type 114 sur les porte outils type B114 la cote l1 et l2 doivent êtres augmentées de 3,0 mm.
R = rotazione senso orario! Utilizzando l'inserto tipo 114 per gole assiali con portainserto B114 le quote l1 e l2 devono essere incrementate di 3,0 mm.

Plaquette de coupe
Inserto

114







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	s	f	a	r	$t_{max\ a}$	$D_{a\ min}$	HIS	EG55
R114.4545.14	9	9	13,5	0,1	3	14	114090R	▲
L114.4545.14	9	9	13,5	0,1	3	14	114090L	Δ

Usinage frontal!
Lavorazione a cavallo del pezzo

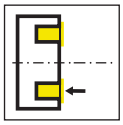
R = rotation horaire! Utiliser les plaquettes à gorges frontales type 114 sur les porte outils type B114 la cote l1 et l2 doivent êtres augmentées de 3,0 / 5,5 ou 6,5 mm.
R = rotazione senso orario! Utilizzando l'inserto tipo 114 per gole assiali con portainserto B114 le quote l1 e l2 devono essere incrementate di 3,0 / 5,5 o 6,5 mm.

P	●
M	o
K	o
N	-
S	-
H	-

T

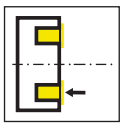
Gorge frontale
Gole assiali

Porte outils
Portainserto
H25A/IB25A



Page/Pag.
526-527, 529

Cassette
Cartuccia
AK25A

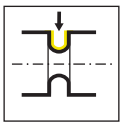


Page/Pag.
528

Plaquette de coupe
Inserto
S15A



Page/Pag.
530



Page/Pag.
531

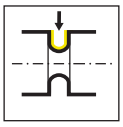


Page/Pag.
532

Plaquette amovible
Inserto
S25A



Page/Pag.
533



Page/Pag.
534

T

15A/25A



T

Porte outils et plaquettes

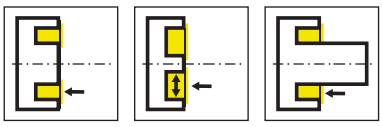
Largeur de gorge 2 - 4 mm

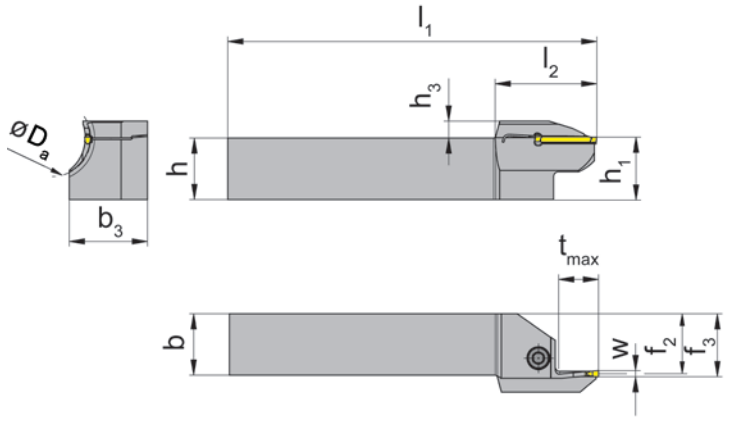
Portainserto e inserti

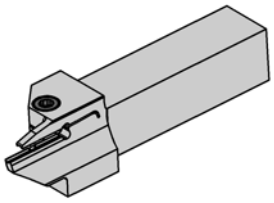
Larghezza della gola 2 - 4 mm

Porte outils
Portainserto

H25A







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	b_3	f_2	f_3	t_{max}	h_3	$D_{a\ min}$	$D_{a\ max}$	HWS
RAH25A.12.1520.02	12	12	120	32	12,3	15,5	11,5	12,5	12	5	15	20	25A02
RAH25A.12.2025.02	12	12	120	32	12,3	16,5	11,5	12,5	12	5	20	25	25A02
RAH25A.12.2530.02	12	12	120	33	12,3	17,5	11,5	12,5	13	5,5	25	30	25A02
RAH25A.16.1520.02	16	16	120	32	16,3	19,5	15,5	16,5	12	5	15	20	25A02
RAH25A.16.2025.02	16	16	120	32	16,3	20,5	15,5	16,5	12	5	20	25	25A02
RAH25A.16.2530.02	16	16	120	33	16,3	21,5	15,5	16,5	13	5,5	25	30	25A02
RAH25A.20.1520.02	20	20	120	32	20,3	23,5	19,5	20,5	12	5	15	20	25A02
RAH25A.20.2025.02	20	20	120	32	20,3	24,5	19,5	20,5	12	5	20	25	25A02
RAH25A.20.2530.02	20	20	120	33	20,3	25,5	19,5	20,5	13	5,5	25	30	25A02
LAH25A.12.1520.02	12	12	120	32	12,3	15,5	11,5	12,5	12	5	15	20	25A02
LAH25A.12.2025.02	12	12	120	32	12,3	16,5	11,5	12,5	12	5	20	25	25A02
LAH25A.12.2530.02	12	12	120	33	12,3	17,5	11,5	12,5	13	5,5	25	30	25A02
LAH25A.16.1520.02	16	16	120	32	16,3	19,5	15,5	16,5	12	5	15	20	25A02
LAH25A.16.2025.02	16	16	120	32	16,3	20,5	15,5	16,5	12	5	20	25	25A02
LAH25A.16.2530.02	16	16	120	33	16,3	21,5	15,5	16,5	13	5,5	25	30	25A02
LAH25A.20.1520.02	20	20	120	32	20,3	23,5	19,5	20,5	12	5	15	20	25A02
LAH25A.20.2025.02	20	20	120	32	20,3	24,5	19,5	20,5	12	5	20	25	25A02
LAH25A.20.2530.02	20	20	120	33	20,3	25,5	19,5	20,5	13	5,5	25	30	25A02

L'arête de coupe doit être réglé de 0,3 mm au-dessus de la hauteur de centre
Il tagliente deve essere posizionato 0,3 mm sopra centro

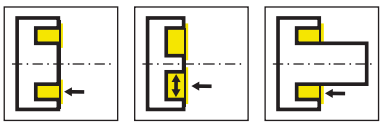
w voir plaquettes amovibles
w vd. inserti

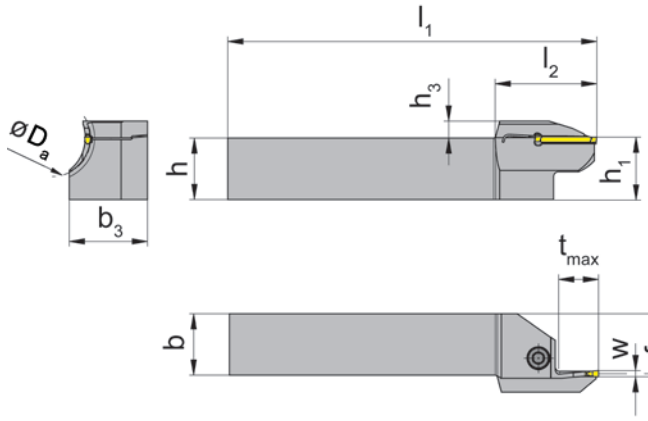
Pièces Détachées
Ricambi

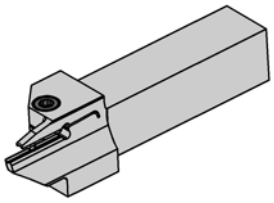
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LAH25A.12...	**5.14T20P**	**T20PQ**
R/LAH25A...	**5.13T20P**	**T20PQ**

Porte outils
Portainserto

H25A







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	b_3	f_2	f_3	t_{max}	h_3	$D_{a\ min}$	$D_{a\ max}$	HWS
RAH25A.12.1520.03	12	12	120	32	12,3	17	11	12,5	13	5,5	15	20	25A03
RAH25A.16.1520.03	16	16	120	32	16,3	21	15	16,5	13	5,5	15	20	25A03
RAH25A.20.1520.03	20	20	120	33	20,3	25	19	20,5	13	5,5	15	20	25A03
RAH25A.16.2025.03	16	16	120	34	16,3	22,5	15	16,5	14	5	20	25	25A03
RAH25A.20.2025.03	20	20	120	34	20,3	26,5	19	20,5	14	5,5	20	25	25A03
RAH25A.12.2530.03	12	12	120	35	12,3	19,5	11	12,5	15	6	25	30	25A03
RAH25A.16.2530.03	16	16	120	35	16,3	23,5	15	16,5	15	6	25	30	25A03
RAH25A.20.2530.03	20	20	120	35	20,3	27,5	19	20,5	15	6	25	30	25A03
LAH25A.12.1520.03	12	12	120	33	12,3	17	11	12,5	13	5,5	15	20	25A03
LAH25A.16.1520.03	16	16	120	33	16,3	21	15	16,5	13	5,5	15	20	25A03
LAH25A.20.1520.03	20	20	120	33	20,3	25	19	20,5	13	5,5	15	20	25A03
LAH25A.12.2025.03	12	12	120	34	12,3	18,5	11	12,5	14	5,5	20	25	25A03
LAH25A.16.2025.03	16	16	120	34	16,3	22,5	15	16,5	14	5,5	20	25	25A03
LAH25A.20.2025.03	20	20	120	34	20,3	26,5	19	20,5	14	5,5	20	25	25A03
LAH25A.16.2530.03	16	16	120	35	16,3	23,5	15	16,5	15	6	25	30	25A03
LAH25A.20.2530.03	20	20	120	35	20,3	27,5	19	20,5	15	6	25	30	25A03

L'arête de coupe doit être réglé de 0,3 mm au-dessus de la hauteur de centre
Il tagliente deve essere posizionato 0,3 mm sopra centro

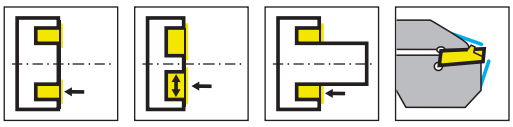
w voir plaquettes amovibles
w vd. inserti

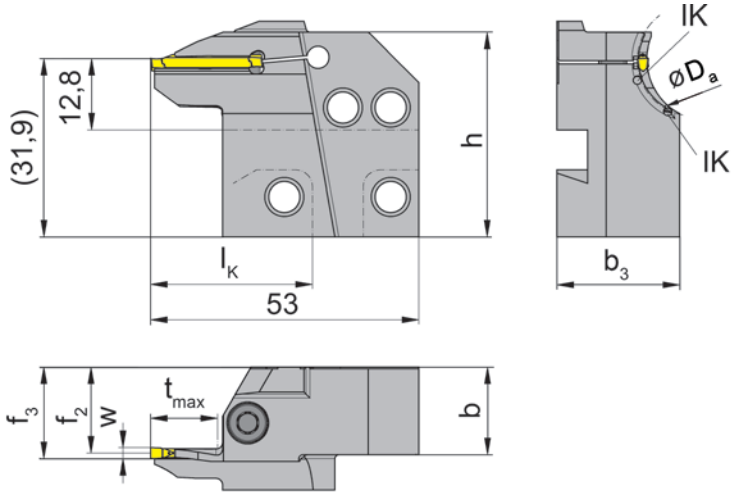
Pièces Détachées
Ricambi

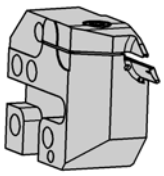
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LAH25A.12...	**5.14T20P**	**T20PQ**
R/LAH25A...	**5.13T20P**	**T20PQ**

Cassette
Cartuccia

AK25A







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	h	l_K	HWS	HMS
RAK25A.1520.02.IK	15	20	12	15,7	21	15,4	f_2+w/2	2	38,6	34	25A02	220001
RAK25A.2025.02.IK	20	25	12	15,7	22	15,4	f_2+w/2	2	38,6	34	25A02	220001
RAK25A.2530.02.IK	25	30	13	15,7	23	15,4	f_2+w/2	2	38,6	34	25A02	220001
RAK25A.2025.03.IK	20	25	14	15,7	24	14,9	f_2+w/2	3	38,6	34	25A03	220001
RAK25A.2530.03.IK	25	30	15	15,7	25	14,9	f_2+w/2	3	38,6	34	25A03	220001
RAK25A.3040.03.IK	30	40	16	15,7	23	14,9	f_2+w/2	3	38,6	34	25A03	220001
RAK25A.4050.03.IK	40	50	18	15,7	24	14,9	f_2+w/2	3	38,6	34	25A03	220001
RAK25A.5065.03.IK	50	65	18	15,7	21,5	15,4	f_2+w/2	3	39	34	25A03	220001
RAK25A.6580.03.IK	65	80	20	15,7	24	17,1	f_2+w/2	3	39	34	25A03	220001
RAK25A.2025.04.IK	20	25	16	15,7	24	15,1	f_2+w/2	4	38,6	34	25A04	220001
RAK25A.2530.04.IK	25	30	17	15,7	24	15,1	f_2+w/2	4	38,6	34	25A04	220001
RAK25A.3040.04.IK	30	40	18	15,7	24	15,1	f_2+w/2	4	38,6	34	25A04	220001
RAK25A.4050.04.IK	40	50	20	15,7	24	15,5	f_2+w/2	4	39,2	34	25A04	220001
RAK25A.5065.04.IK	50	65	20	15,7	24	17,1	f_2+w/2	4	39	34	25A04	220001
LAK25A.1520.02.IK	15	20	12	15,7	21	15,4	f_2+w/2	2	38,6	34	25A02	220002
LAK25A.2025.02.IK	20	25	12	15,7	22	15,4	f_2+w/2	2	38,6	34	25A02	220002
LAK25A.2530.02.IK	25	30	13	15,7	23	15,4	f_2+w/2	2	38,6	34	25A02	220002
LAK25A.2025.03.IK	20	25	14	15,7	24	14,9	f_2+w/2	3	38,6	34	25A03	220002
LAK25A.2530.03.IK	25	30	15	15,7	25	14,9	f_2+w/2	3	38,6	34	25A03	220002
LAK25A.3040.03.IK	30	40	16	15,7	23	14,9	f_2+w/2	3	38,6	34	25A03	220002
LAK25A.4050.03.IK	40	50	18	15,7	24	14,9	f_2+w/2	3	38,6	34	25A03	220002
LAK25A.5065.03.IK	50	65	18	15,7	22	15,4	f_2+w/2	3	39	34	25A03	220002
LAK25A.6580.03.IK	65	80	18	15,7	21,5	15,4	f_2+w/2	3	39	34	25A03	220002
LAK25A.2025.04.IK	20	25	16	15,7	24	15,1	f_2+w/2	4	38,6	34	25A04	220002
LAK25A.2530.04.IK	25	30	17	15,7	24	15,1	f_2+w/2	4	38,6	34	25A04	220002
LAK25A.3040.04.IK	30	40	18	15,7	24	15,1	f_2+w/2	4	38,6	34	25A04	220002
LAK25A.4050.04.IK	40	50	20	15,7	24	15,1	f_2+w/2	4	39,2	34	25A04	220002
LAK25A.5065.04.IK	50	65	18	15,7	22	15,4	f_2+w/2	4	39	34	25A04	220002
LAK25A.6580.04.IK	65	80	20	15,7	23,5	17,1	f_2+w/2	4	39	34	25A04	220002

Pièces Détachées
Ricambi

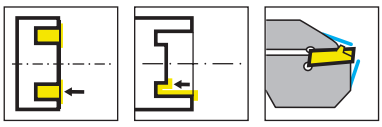
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LAK25A...	**5.13T20P**	**T20PQ**

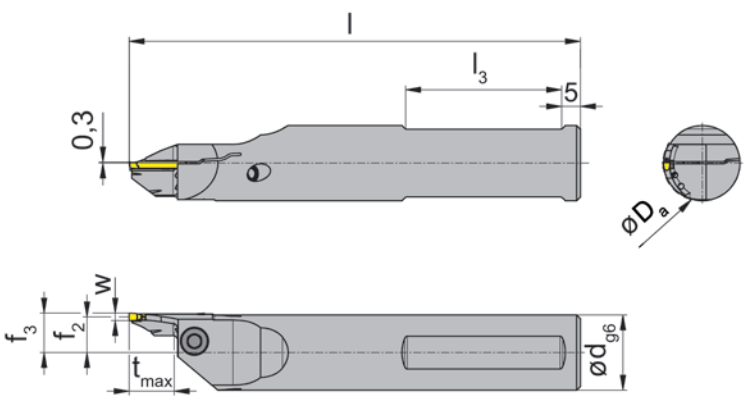
L'arête de coupe doit être réglé de 0,3 mm au-dessus de la hauteur de centre
Il tagliente deve essere posizionato 0,3 mm sopra centro

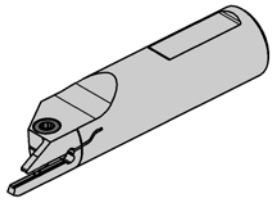
w voir plaquettes amovibles
w vd. inserti

Porte outils
Portainserto

IB25A







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	d	l	l_3	f_3	f_2	t_{max}	$D_{a\ min}$	$D_{a\ max}$	HWS
RIB25A.20.2025.02.IK	20	120	55	f_2+w/2	9,5	12	20	25	25A02
RIB25A.20.2530.02.IK	20	120	55	f_2+w/2	9,5	13	25	30	25A02
RIB25A.20.2025.03.IK	20	120	55	f_2+w/2	9	14	20	25	25A03
RIB25A.20.2530.03.IK	20	120	55	f_2+w/2	9	15	25	30	25A03
RIB25A.20.3040.03.IK	20	120	55	f_2+w/2	9	16	30	40	25A03
RIB25A.20.4050.03.IK	20	120	55	f_2+w/2	9	18	40	50	25A03
RIB25A.20.6580.03.IK	20	120	55	f_2+w/2	9	18	65	80	25A03
RIB25A.20.2025.04.IK	20	120	55	f_2+w/2	8,5	16	20	25	25A04
RIB25A.20.2530.04.IK	20	120	55	f_2+w/2	8,5	17	25	30	25A04
RIB25A.20.3040.04.IK	20	120	55	f_2+w/2	8,5	18	30	40	25A04
RIB25A.20.4050.04.IK	20	120	55	f_2+w/2	8,5	20	40	50	25A04
RIB25A.20.5065.04.IK	20	120	55	f_2+w/2	8,5	20	50	65	25A04
RIB25A.20.6580.04.IK	20	120	55	f_2+w/2	8,5	20	65	80	25A04
LIB25A.20.2025.02.IK	20	120	55	f_2+w/2	9,5	12	20	25	25A02
LIB25A.20.2530.02.IK	20	120	55	f_2+w/2	9,5	13	25	30	25A02
LIB25A.20.2025.03.IK	20	120	55	f_2+w/2	9	14	20	25	25A03
LIB25A.20.2530.03.IK	20	120	55	f_2+w/2	9	15	25	30	25A03
LIB25A.20.3040.03.IK	20	120	55	f_2+w/2	9	16	30	40	25A03
LIB25A.20.4050.03.IK	20	120	55	f_2+w/2	9	18	40	50	25A03
LIB25A.20.5065.03.IK	20	120	55	f_2+w/2	9	18	50	65	25A03
LIB25A.20.2025.04.IK	20	120	55	f_2+w/2	8,5	16	20	25	25A04
LIB25A.20.2530.04.IK	20	120	55	f_2+w/2	8,5	17	25	30	25A04
LIB25A.20.3040.04.IK	20	120	55	f_2+w/2	8,5	18	30	40	25A04
LIB25A.20.4050.04.IK	20	120	55	f_2+w/2	8,5	20	40	50	25A04
LIB25A.20.5065.04.IK	20	120	55	f_2+w/2	8,5	20	50	65	25A04

L'arête de coupe doit être réglé de 0,3 mm au-dessus de la hauteur de centre
Il tagliente deve essere posizionato 0,3 mm sopra centro

w voir plaquettes amovibles
w vd. inserti

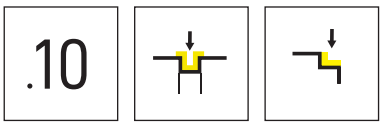
Pièces Détachées
Ricambi

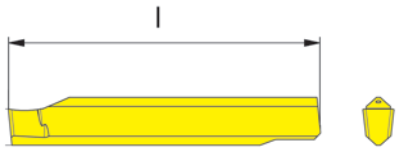
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LIB25A.20...	**5.13T20EP**	**T20PQ**
R/LIB25A.20.5065.03	**5.17T20P**	**T20PQ**
R/LIB25A.20.6580.04.IK	**5.13T20P**	**T20PQ**

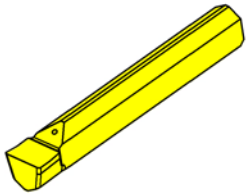
T

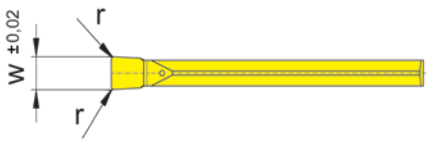
Plaquette de coupe
Inserto

S15A









Nuance
Leghe

▲ en stock
a stock

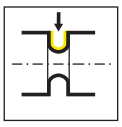
Δ 4 semaines
4 settimane

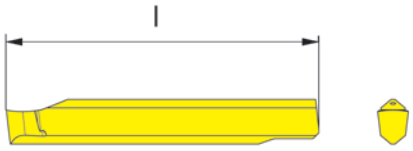
Numéro de commande Codice prodotto	w	r	l	HIS		EG55	IG35	TH35
S15A.0200.12	2	0,2	20	25A02		▲	▲	▲
S15A.0300.12	3	0,2	21	25A03		▲	▲	▲
S15A.0400.12	4	0,2	24	25A04		▲	▲	▲
					P	●	-	●
					M	o	●	●
					K	o	-	●
					N	-	-	●
					S	-	●	●
					H	-	-	-

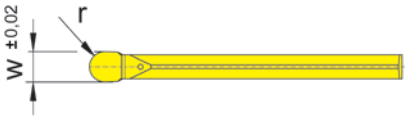
T

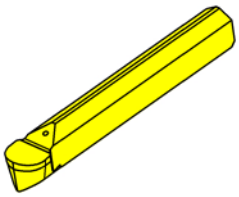
Plaquette de coupe
Inserto

S15A









Nuance
Leghe

▲ en stock
a stock

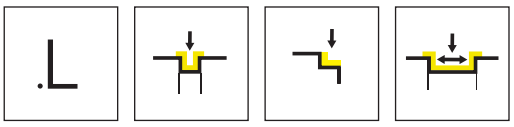
Δ 4 semaines
4 settimane

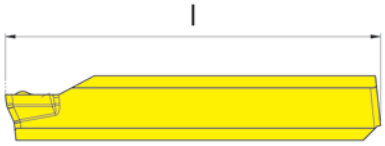
Numéro de commande Codice prodotto	w	r	l	HIS		EG55	IG35	TH35
S15A.0200.10.10	2	1	20	25A02		▲	▲	▲
S15A.0300.10.15	3	1,5	21	25A03		▲	▲	▲
S15A.0400.10.20	4	2	24	25A04		▲	▲	▲
					P	●	-	●
					M	o	●	●
					K	o	-	●
					N	-	-	●
					S	-	●	●
					H	-	-	-

T

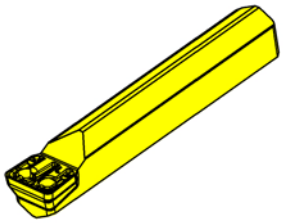
Plaquette de coupe
Inserto

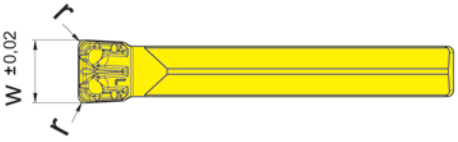
S15A











Nuance
Leghe

▲ en stock
a stock

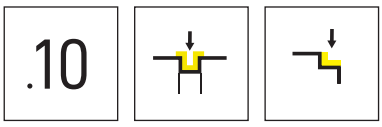
Δ 4 semaines
4 settimane

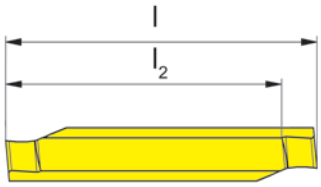
Numéro de commande Codice prodotto	w	r	l	HIS		AS45	EG55	IG65
S15A.0300.L2	3	0,2	24	25A03		▲	▲	▲
S15A.0400.L4	4	0,4	24	25A04		▲	▲	▲
					P	●	●	●
					M	●	o	●
					K	●	o	-
					N	o	-	-
					S	●	-	o
					H	-	-	-

T

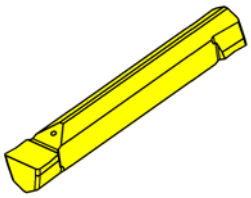
Plaquette amovible
Inserto

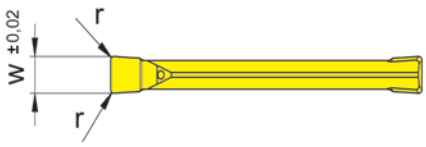
S25A











Nuance
Leghe

▲ en stock
a stock

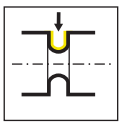
Δ 4 semaines
4 settimane

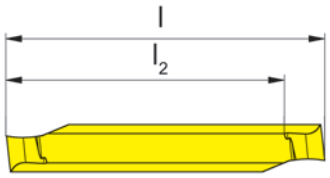
Numéro de commande Codice prodotto	w	r	l	l_2	HIS		EG55	IG35	TH35
S25A.0200.12	2	0,2	20	17	25A02		▲	▲	▲
S25A.0300.12	3	0,2	21	18	25A03		▲	▲	▲
S25A.0400.12	4	0,2	24	20,5	25A04		▲	▲	▲
						P	●	-	●
						M	o	●	●
						K	o	-	●
						N	-	-	●
						S	-	●	●
						H	-	-	-

T

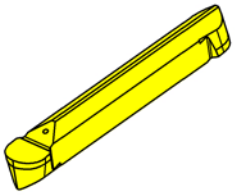
Plaquette amovible
Inserto

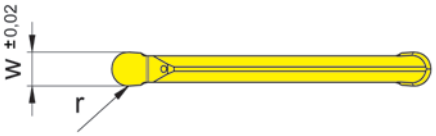
S25A











Nuance
Leghe

▲ en stock
a stock

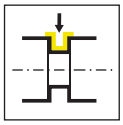
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	l	l_2	HIS		EG55	IG35	TH35
S25A.0200.10.10	2	1	20	17	25A02		▲	▲	▲
S25A.0300.10.15	3	1,5	21	18	25A03		▲	▲	▲
S25A.0400.10.20	4	2	24	20,5	25A04		▲	▲	▲
						P	●	-	●
						M	o	●	●
						K	o	-	●
						N	-	-	●
						S	-	●	●
						H	-	-	-

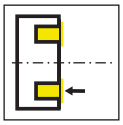
T

Gorge frontale
Gole assiali

Base de support
Attacco Base
220/B224

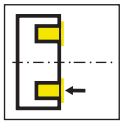


Page/Pag.
538-539



Page/Pag.
540

Cassette
Cartuccia
LAK224/RAK224/
LIK224/RIK224



Page/Pag.
541-548

Plaquette amovible
Inserto
S224



Page/Pag.
549



Page/Pag.
550



Page/Pag.
551

T

224



T

Porte outils et plaquettes

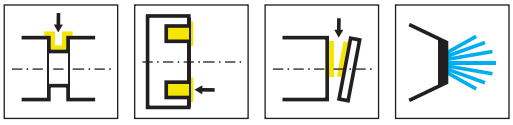
Largeur de gorge 3-6 mm

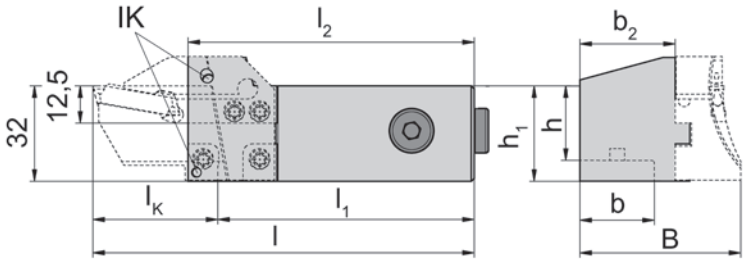
Portainserto e inserti

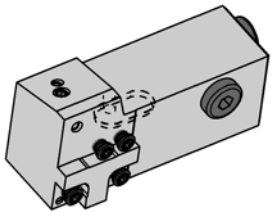
Larghezza della gola 3 - 6 mm

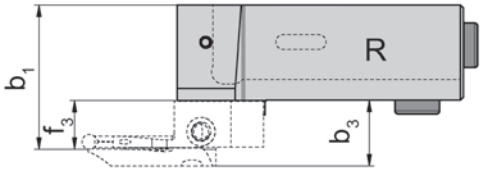
Base de support
Attacco Base

220









R = version à droite représentée
R = versione destra come in figura

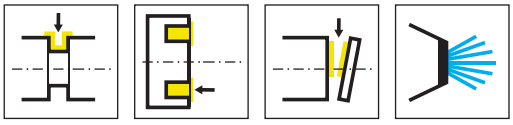
L = version à gauche
L = versione sinistra

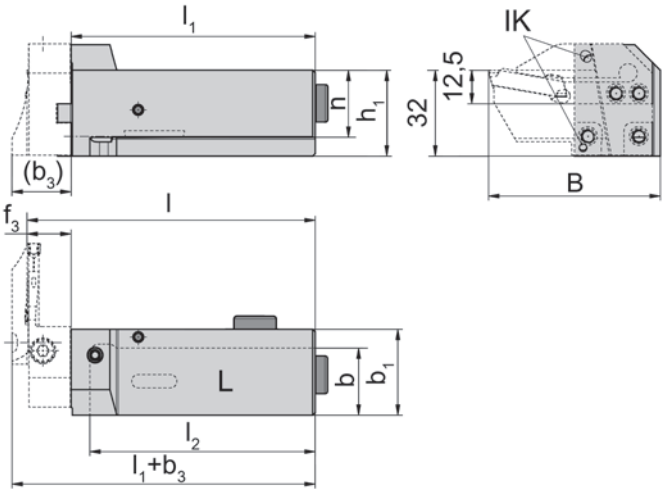
Numéro de commande Codice prodotto	h	h_1	l_1	b	b_1	b_2	l_2	l	B	HWS
R220.1616.2.K1.IK	16	32	l_2-10	16	b_2+f_3	23	84	l_1+l_K	b_2+b_3	220001
R220.2020.2.K1.IK	20	32	l_2-10	20	b_2+f_3	27	84	l_1+l_K	b_2+b_3	220001
R220.2525.2.K1.IK	25	32	l_2-10	25	b_2+f_3	32	96	l_1+l_K	b_2+b_3	220001
R220.3225.2.K1.IK	32	32	l_2-10	25	b_2+f_3	25	105	l_1+l_K	b_2+b_3	220001
R220.3232.2.K1.IK	32	32	l_2-10	32	b_2+f_3	32	130	l_1+l_K	b_2+b_3	220001
L220.1616.2.K1.IK	16	32	l_2-10	16	b_2+f_3	23	84	l_1+l_K	b_2+b_3	220002
L220.2020.2.K1.IK	20	32	l_2-10	20	b_2+f_3	27	84	l_1+l_K	b_2+b_3	220002
L220.2525.2.K1.IK	25	32	l_2-10	25	b_2+f_3	32	96	l_1+l_K	b_2+b_3	220002
L220.3225.2.K1.IK	32	32	l_2-10	25	b_2+f_3	25	105	l_1+l_K	b_2+b_3	220002
L220.3232.2.K1.IK	32	32	l_2-10	32	b_2+f_3	32	130	l_1+l_K	b_2+b_3	220002

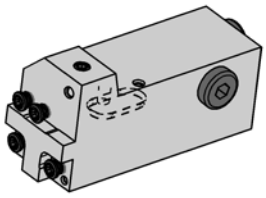
IK, b3 et f3 voir cassettes
IK, b3 e f3 vd. cartucce

Pièces Détachées
Ricambi

Base de support Attacco Base	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/L220...	**5.12T20P**	**T20PQ**	**004.00.26**







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra

Numéro de commande Codice prodotto	h	h_1	b	l_2	l	B	b_1	l_1	HWS
R220.1616.2.K2.IK	16	32	16	69	l_1+f_3	l_K+19	32	79	220002
R220.2020.2.K2.IK	20	32	20	69	l_1+f_3	l_K+19	32	79	220002
R220.2525.2.K2.IK	25	32	25	84	l_1+f_3	l_K+22	32	91	220002
R220.3225.2.K2.IK	32	32	29	90	l_1+f_3	l_K+19	37	100	220002
R220.3232.2.K2.IK	32	32	32	115	l_1+f_3	l_K+22	37	125	220002
L220.1616.2.K2.IK	16	32	16	69	l_1+f_3	l_K+19	32	79	220001
L220.2020.2.K2.IK	20	32	20	69	l_1+f_3	l_K+19	32	79	220001
L220.2525.2.K2.IK	25	32	25	84	l_1+f_3	l_K+22	32	91	220001
L220.3225.2.K2.IK	32	32	29	90	l_1+f_3	l_K+19	37	100	220001
L220.3232.2.K2.IK	32	32	32	115	l_1+f_3	l_K+22	37	125	220001

IK, b3 et f3 voir cassettes
IK, b3 e f3 vd. cartucce

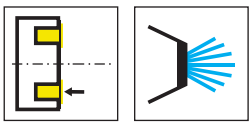
T

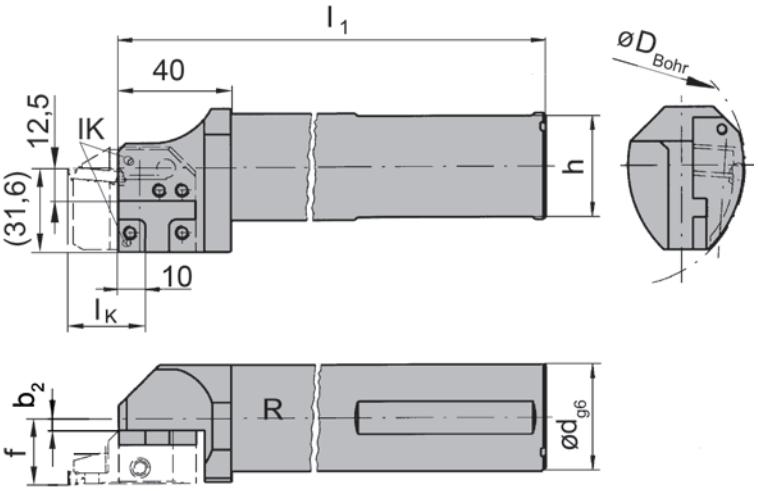
Pièces Détachées
Ricambi

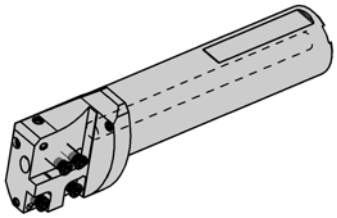
Base de support Attacco Base	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®	**Vis** Vite
R/L220...	**5.12T20P**	**T20PQ**	**004.00.26**

Base de support
Attacco Base

B224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	f	d	l_1	h	b_2	D_{Bohr}	HWS
RB224.0032.K1.IK	b_2+f_3	32	181	30	0,41	90	220001
RB224.0040.K1.IK	b_2+f_3	40	231	38	4,41	90	220001
RB224.0032.1.K1.IK	b_2+f_3	32	116	30	0,41	90	220001
RB224.0040.1.K1.IK	b_2+f_3	40	116	38	4,41	90	220001
LB224.0032.K1.IK	b_2+f_3	32	181	30	0,41	90	220002
LB224.0040.K1.IK	b_2+f_3	40	231	38	4,41	90	220002
LB224.0032.1.K1.IK	b_2+f_3	32	116	30	0,41	90	220002
LB224.0040.1.K1.IK	b_2+f_3	40	116	38	4,41	90	220002

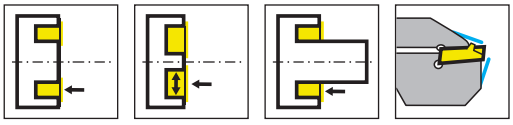
Da min / f3 / lK voir cassettes
Da min / f3 / lK vd. cartucce

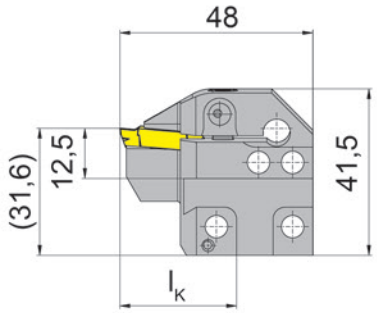
Pièces Détachées
Ricambi

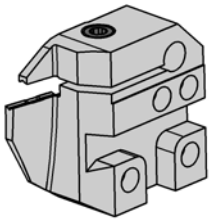
Base de support Attacco Base	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LB224...	**5.12T20P**	**T20PQ**

Cassette
Cartuccia

LAK224







L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS	HMS
LAK224.5060.03.IK	50	60	14	15,7	23,7	14,9	f_2+w/2	3	29	224038	220002
LAK224.6075.03.IK	60	75	14	15,7	22,7	14,9	f_2+w/2	3	29	224038	220002
LAK224.7590.03.IK	75	90	14	15,7	22,7	14,9	f_2+w/2	3	29	224038	220002
LAK224.9011.03.IK	90	110	14	15,7	21	14,9	f_2+w/2	3	29	224038	220002
LAK224.1113.03.IK	110	130	14	15,7	21	14,9	f_2+w/2	3	29	224038	220002
LAK224.1318.03.IK	130	180	14	15,7	20	14,9	f_2+w/2	3	29	224038	220002
LAK224.1830.03.IK	180	300	14	15,7	19	14,9	f_2+w/2	3	29	224038	220002
LAK224.3000.03.IK	300	1000	14	15,7	16,9	14,9	f_2+w/2	3	29	224038	220002
LAK224.3847.04.IK	38	47	14	15,7	24,2	14,4	f_2+w/2	4	29	224048	220002
LAK224.4760.04.IK	47	60	14	15,7	23,7	14,4	f_2+w/2	4	29	224048	220002
LAK224.6075.04.IK	60	75	14	15,7	23,7	14,4	f_2+w/2	4	29	224048	220002
LAK224.7590.04.IK	75	90	14	15,7	22,7	14,4	f_2+w/2	4	29	224048	220002
LAK224.9013.04.IK	90	130	14	15,7	21	14,4	f_2+w/2	4	29	224048	220002
LAK224.1318.04.IK	130	180	14	15,7	21	14,4	f_2+w/2	4	29	224048	220002
LAK224.1830.04.IK	180	300	14	15,7	19	14,4	f_2+w/2	4	29	224048	220002
LAK224.3000.04.IK	300	1000	14	15,7	16,7	14,4	f_2+w/2	4	29	224048	220002

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

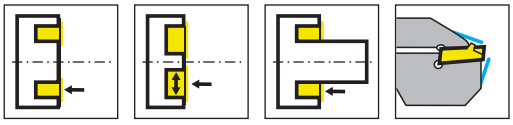
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

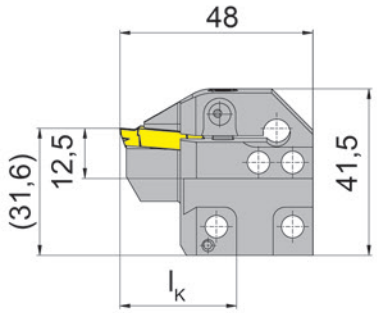
Pièces Détachées
Ricambi

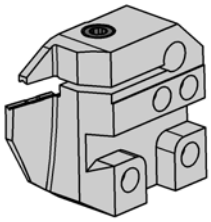
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LAK224...	**5.13T20P**	**T20PQ**

Cassette
Cartuccia

LAK224







L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS	HMS
LAK224.3847.05.IK	38	47	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220002
LAK224.4760.05.IK	47	60	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220002
LAK224.6075.05.IK	60	75	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220002
LAK224.7590.05.IK	75	90	14	15,7	22	13,9	f_2+w/2	5	29	224058	220002
LAK224.9013.05.IK	90	130	14	15,7	22	13,9	f_2+w/2	5	29	224058	220002
LAK224.1318.05.IK	130	180	14	15,7	21	13,9	f_2+w/2	5	29	224058	220002
LAK224.1830.05.IK	180	300	14	15,7	19	13,9	f_2+w/2	5	29	224058	220002
LAK224.3000.05.IK	300	1000	14	15,7	16,7	13,9	f_2+w/2	5	29	224058	220002
LAK224.6075.06.IK	60	75	14	15,7	23	13,4	f_2+w/2	6	29	224068	220002
LAK224.7590.06.IK	75	90	14	15,7	23	13,4	f_2+w/2	6	29	224068	220002
LAK224.9013.06.IK	90	130	14	15,7	21	13,4	f_2+w/2	6	29	224068	220002
LAK224.1318.06.IK	130	180	14	15,7	21	13,4	f_2+w/2	6	29	224068	220002
LAK224.1830.06.IK	180	300	14	15,7	19	13,4	f_2+w/2	6	29	224068	220002
LAK224.3000.06.IK	300	1000	14	15,7	16,7	13,4	f_2+w/2	6	29	224068	220002

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

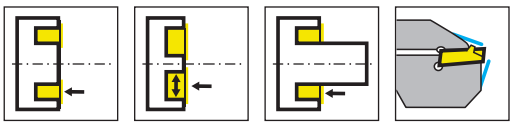
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

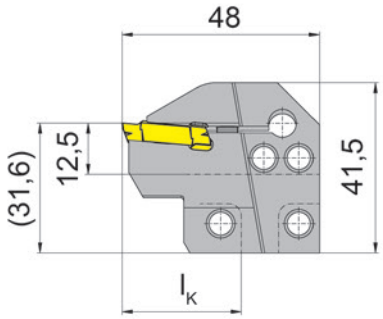
Pièces Détachées
Ricambi

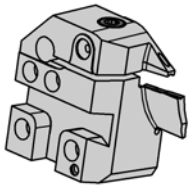
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LAK224...	**5.13T20P**	**T20PQ**

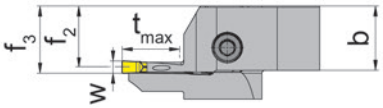
Cassette
Cartuccia

RAK224









R = version à droite
R = versione destra

Numéro de commande Codice prodotto	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS	HMS
RAK224.5060.03.IK	50	60	14	15,7	23,7	14,9	f_2+w/2	3	29	224038	220001
RAK224.6075.03.IK	60	75	14	15,7	22,7	14,9	f_2+w/2	3	29	224038	220001
RAK224.7590.03.IK	75	90	14	15,7	22,7	14,9	f_2+w/2	3	29	224038	220001
RAK224.9011.03.IK	90	110	14	15,7	21	14,9	f_2+w/2	3	29	224038	220001
RAK224.1113.03.IK	110	130	14	15,7	21	14,9	f_2+w/2	3	29	224038	220001
RAK224.1318.03.IK	130	180	14	15,7	20	14,9	f_2+w/2	3	29	224038	220001
RAK224.1830.03.IK	180	300	14	15,7	19	14,9	f_2+w/2	3	29	224038	220001
RAK224.3000.03.IK	300	1000	14	15,7	16,9	14,9	f_2+w/2	3	29	224038	220001
RAK224.3847.04.IK	38	47	14	15,7	24,2	14,4	f_2+w/2	4	29	224048	220001
RAK224.4760.04.IK	47	60	14	15,7	23,7	14,4	f_2+w/2	4	29	224048	220001
RAK224.6075.04.IK	60	75	14	15,7	23,7	14,4	f_2+w/2	4	29	224048	220001
RAK224.7590.04.IK	75	90	14	15,7	22,7	14,4	f_2+w/2	4	29	224048	220001
RAK224.9013.04.IK	90	130	14	15,7	21	14,4	f_2+w/2	4	29	224048	220001
RAK224.1318.04.IK	130	180	14	15,7	21	14,4	f_2+w/2	4	29	224048	220001
RAK224.1830.04.IK	180	300	14	15,7	19	14,4	f_2+w/2	4	29	224048	220001
RAK224.3000.04.IK	300	1000	14	15,7	16,7	14,4	f_2+w/2	4	29	224048	220001

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

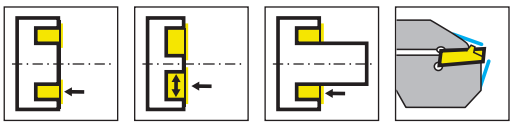
T

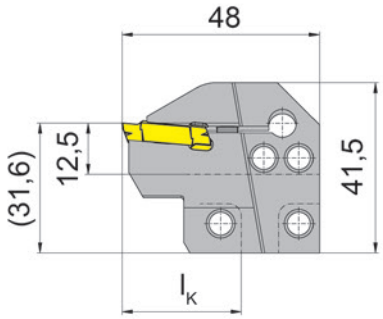
Pièces Détachées
Ricambi

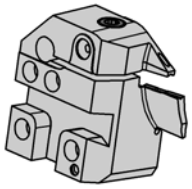
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RAK224...	**5.13T20P**	**T20PQ**

Cassette
Cartuccia

RAK224







R = version à droite
R = versione destra

Numéro de commande Codice prodotto	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS	HMS
RAK224.3847.05.IK	38	47	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220001
RAK224.4760.05.IK	47	60	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220001
RAK224.6075.05.IK	60	75	14	15,7	23,7	13,9	f_2+w/2	5	29	224058	220001
RAK224.7590.05.IK	75	90	14	15,7	22	13,9	f_2+w/2	5	29	224058	220001
RAK224.9013.05.IK	90	130	14	15,7	22	13,9	f_2+w/2	5	29	224058	220001
RAK224.1318.05.IK	130	180	14	15,7	21	13,9	f_2+w/2	5	29	224058	220001
RAK224.1830.05.IK	180	300	14	15,7	19	13,9	f_2+w/2	5	29	224058	220001
RAK224.3000.05.IK	300	1000	14	15,7	16,7	13,9	f_2+w/2	5	29	224058	220001
RAK224.6075.06.IK	60	75	14	15,7	23	13,4	f_2+w/2	6	29	224068	220001
RAK224.7590.06.IK	75	90	14	15,7	23	13,4	f_2+w/2	6	29	224068	220001
RAK224.9013.06.IK	90	130	14	15,7	21	13,4	f_2+w/2	6	29	224068	220001
RAK224.1318.06.IK	130	180	14	15,7	21	13,4	f_2+w/2	6	29	224068	220001
RAK224.1830.06.IK	180	300	14	15,7	19	13,4	f_2+w/2	6	29	224068	220001
RAK224.3000.06.IK	300	1000	14	15,7	16,7	13,4	f_2+w/2	6	29	224068	220001

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

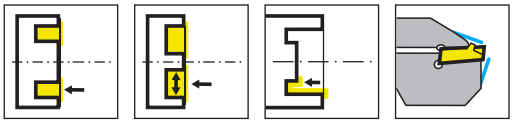
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

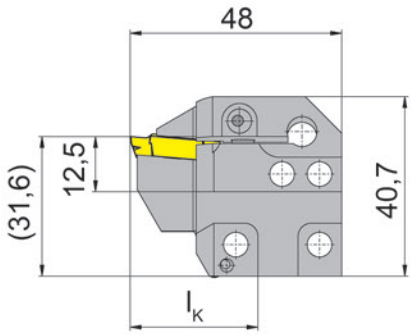
Pièces Détachées
Ricambi

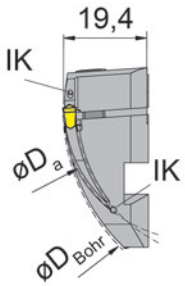
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RAK224...	**5.13T20P**	**T20PQ**

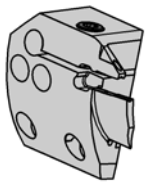
Cassette
Cartuccia

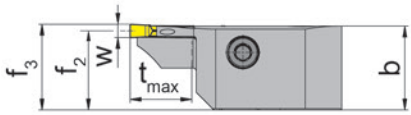
LIK224











L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	D_{Bohr}	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	f_2	f_3	w	l_K	HWS	HMS
LIK224.5060.03.IK	90	50	60	14	19	17,9	f_2+w/2	3	29	224038	220002
LIK224.6075.03.IK	90	60	75	14	19	17,9	f_2+w/2	3	29	224038	220002
LIK224.7590.03.IK	90	75	90	14	19	17,9	f_2+w/2	3	29	224038	220002
LIK224.9011.03.IK	90	90	110	14	19	17,9	f_2+w/2	3	29	224038	220002
LIK224.1113.03.IK	110	110	130	14	19	17,9	f_2+w/2	3	29	224038	220002
LIK224.1318.03.IK	130	130	180	14	19	17,9	f_2+w/2	3	29	224038	220002
LIK224.1830.03.IK	180	180	300	14	19	17,9	f_2+w/2	3	29	224038	220002
LIK224.3000.03.IK	300	300	1000	14	19	17,4	f_2+w/2	3	29	224038	220002
LIK224.3847.04.IK	90	38	47	14	19	17,4	f_2+w/2	4	29	224048	220002
LIK224.4760.04.IK	90	47	60	14	19	17,4	f_2+w/2	4	29	224048	220002
LIK224.6075.04.IK	90	60	75	14	19	17,4	f_2+w/2	4	29	224048	220002
LIK224.7590.04.IK	90	75	90	14	19	17,4	f_2+w/2	4	29	224048	220002
LIK224.9013.04.IK	90	90	130	14	19	17,4	f_2+w/2	4	29	224048	220002
LIK224.1318.04.IK	130	130	180	14	19	17,4	f_2+w/2	4	29	224048	220002
LIK224.1830.04.IK	180	180	300	14	19	17,4	f_2+w/2	4	29	224048	220002
LIK224.3000.04.IK	300	300	1000	14	19	17,4	f_2+w/2	4	29	224048	220002

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

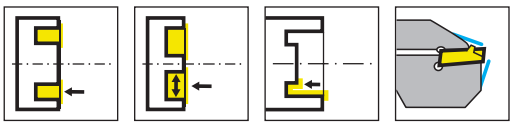
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

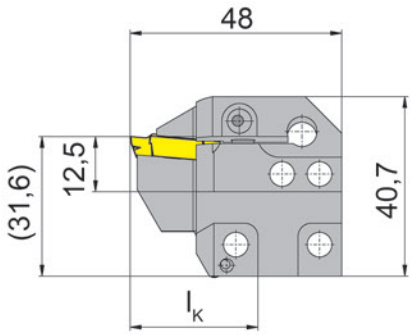
Pièces Détachées
Ricambi

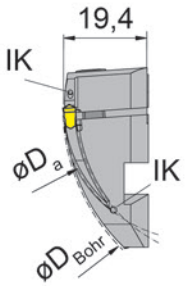
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LIK224...	**5.13T20P**	**T20PQ**

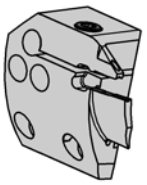
Cassette
Cartuccia

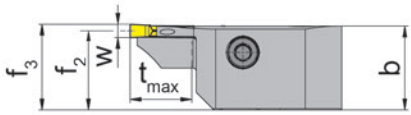
LIK224











L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	D_{Bohr}	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	f_2	f_3	w	l_K	HWS	HMS
LIK224.3847.05.IK	90	38	47	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.4760.05.IK	90	47	60	14	19	17,4	f_2+w/2	5	29	224058	220002
LIK224.6075.05.IK	90	60	75	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.7590.05.IK	90	75	90	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.9013.05.IK	90	90	130	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.1318.05.IK	130	130	180	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.1830.05.IK	180	180	300	14	19	16,9	f_2+w/2	5	29	224058	220002
LIK224.3000.05.IK	300	300	1000	14	18,9	16,9	f_2+w/2	5	29	224058	220002
LIK224.6075.06.IK	90	60	75	14	19	16,4	f_2+w/2	6	29	224068	220002
LIK224.7590.06.IK	90	75	90	14	19	16,4	f_2+w/2	6	29	224068	220002
LIK224.9013.06.IK	90	90	130	14	19	16,4	f_2+w/2	6	29	224068	220002
LIK224.1318.06.IK	130	130	180	14	19	16,4	f_2+w/2	6	29	224068	220002
LIK224.1830.06.IK	180	180	300	14	19	16,4	f_2+w/2	6	29	224068	220002
LIK224.3000.06.IK	300	300	1000	14	18,75	16,4	f_2+w/2	6	29	224068	220002

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

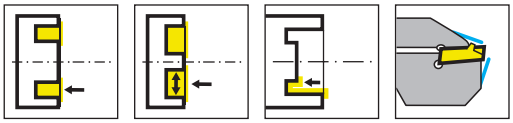
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

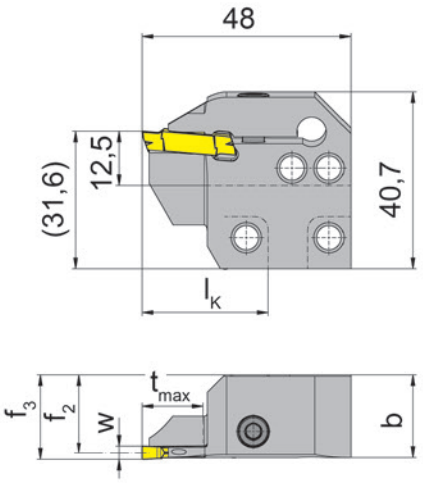
Pièces Détachées
Ricambi

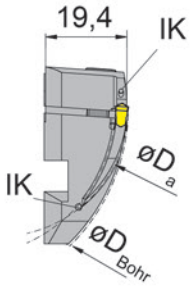
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LIK224...	**5.13T20P**	**T20PQ**

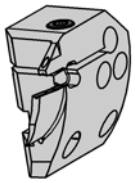
Cassette
Cartuccia

RIK224









R = version à droite
R = versione destra

Numéro de commande Codice prodotto	D_{Bohr}	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	f_2	f_3	w	l_K	HWS	HMS
RIK224.5060.03.IK	90	50	60	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.6075.03.IK	90	60	75	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.7590.03.IK	90	75	90	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.9011.03.IK	90	90	110	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.1113.03.IK	110	110	130	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.1318.03.IK	130	130	180	14	19,05	17,9	f_2+w/2	3	29	224038	220001
RIK224.1830.03.IK	180	180	300	14	19	17,9	f_2+w/2	3	29	224038	220001
RIK224.3000.03.IK	300	300	1000	14	19,1	17,4	f_2+w/2	3	29	224038	220001
RIK224.3847.04.IK	90	38	47	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.4760.04.IK	90	47	60	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.6075.04.IK	90	60	75	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.7590.04.IK	90	75	90	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.9013.04.IK	90	90	130	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.1318.04.IK	130	130	180	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.1830.04.IK	180	180	300	14	19	17,4	f_2+w/2	4	29	224048	220001
RIK224.3000.04.IK	300	300	1000	14	19	17,4	f_2+w/2	4	29	224048	220001

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

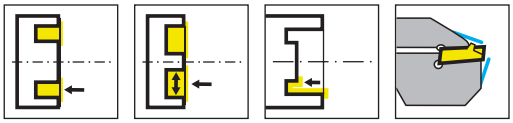
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

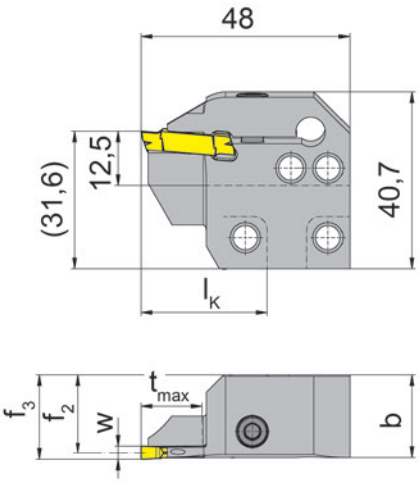
Pièces Détachées
Ricambi

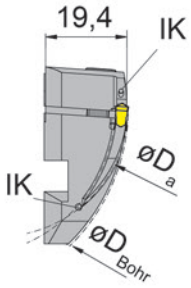
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RIK224...	**5.13T20P**	**T20PQ**

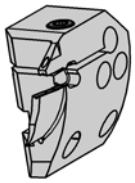
Cassette
Cartuccia

RIK224









R = version à droite
R = versione destra

Numéro de commande Codice prodotto	D_{Bohr}	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	f_2	f_3	w	l_K	HWS	HMS
RIK224.3847.05.IK	90	38	47	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.4760.05.IK	90	47	60	14	19	17,4	f_2+w/2	5	29	224058	220001
RIK224.6075.05.IK	90	60	75	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.7590.05.IK	90	75	90	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.9013.05.IK	90	90	130	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.1318.05.IK	130	130	180	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.1830.05.IK	180	180	300	14	19	16,9	f_2+w/2	5	29	224058	220001
RIK224.3000.05.IK	300	300	1000	14	18,9	16,9	f_2+w/2	5	29	224058	220001
RIK224.6075.06.IK	90	60	75	14	19	16,4	f_2+w/2	6	29	224068	220001
RIK224.7590.06.IK	90	75	90	14	19	16,4	f_2+w/2	6	29	224068	220001
RIK224.9013.06.IK	90	90	130	14	19	16,4	f_2+w/2	6	29	224068	220001
RIK224.1318.06.IK	130	130	180	14	19	16,4	f_2+w/2	6	29	224068	220001
RIK224.1830.06.IK	180	180	300	14	19	16,4	f_2+w/2	6	29	224068	220001
RIK224.3000.06.IK	300	300	1000	14	18,75	16,4	f_2+w/2	6	29	224068	220001

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

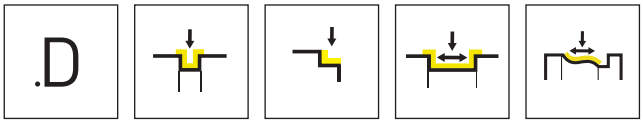
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

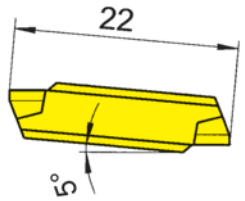
Pièces Détachées
Ricambi

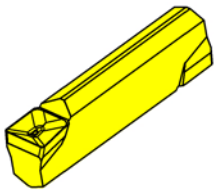
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RIK224...	**5.13T20P**	**T20PQ**

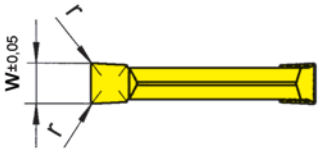
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

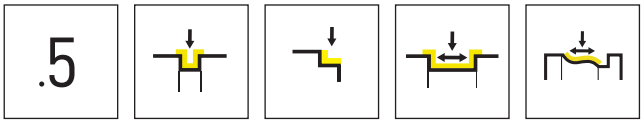
Δ 4 semaines
4 settimane

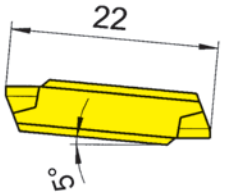
Numéro de commande Codice prodotto	w	r	HIS		H54	IG66	TF45	TF46	TI22	TI25	TN32	TN35
S224.0300.D2.G	3	0,2	224038			▲	▲	▲	▲			
S224.0300.D2	3	0,2	224038		▲	▲	▲	▲		▲	▲	▲
S224.0400.D2.G	4	0,2	224048			▲		▲	▲			
S224.0400.D2	4	0,2	224048		Δ	▲	▲	▲		▲	Δ	▲
				P	●	●	●	●	●	●	●	●
				M	●	●	●	o	-	●	-	●
				K	-	-	●	●	-	●	-	●
				N	-	-	●	●	-	●	-	●
				S	-	o	●	o	-	●	-	●
				H	-	-	-	-	-	-	-	-

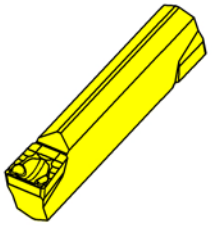
T

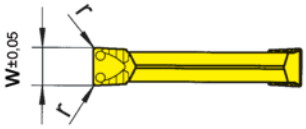
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

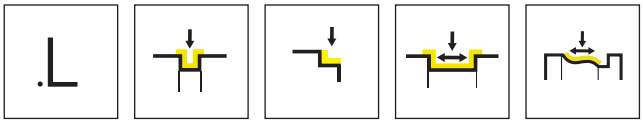
Δ 4 semaines
4 settimane

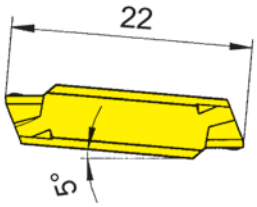
Numéro de commande Codice prodotto	w	r	HIS		AS62	AS66	EG56	IG66	TF45	TI25	TN32	TN35
S224.0300.52	3	0,2	224038		▲	▲	▲	▲	▲	▲	▲	▲
S224.0300.54	3	0,4	224038		▲	▲	▲	▲	▲	▲	▲	▲
S224.0400.52	4	0,2	224048		▲	▲	▲	▲	▲	▲	▲	▲
S224.0400.54	4	0,4	224048		▲	▲	▲	▲	▲	▲	▲	▲
S224.0500.54	5	0,4	224058		▲	▲	▲	▲	▲	▲	▲	▲
S224.0500.58	5	0,8	224058		▲	▲	Δ	▲		▲	Δ	Δ
				P	●	●	●	●	●	●	●	●
				M	-	o	o	●	●	●	-	●
				K	-	●	o	-	●	●	-	●
				N	-	●	-	-	●	●	-	●
				S	-	o	-	o	●	●	-	●
				H	-	-	-	-	-	-	-	-

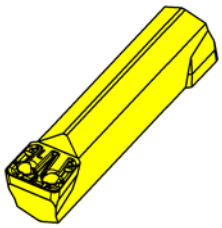
T

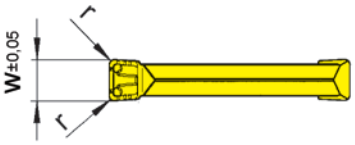
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

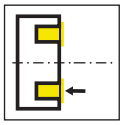
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		AS62	AS66	ASG6	IG66	TF42	TI22
S224.0400.L4	4	0,4	224048		▲	▲		▲	▲	▲
S224.0500.L4	5	0,4	224058		▲	▲	Δ	▲	▲	▲
S224.0500.L6	5	0,6	224058		▲	▲	Δ	▲	▲	
S224.0600.L4	6	0,4	224068		▲			▲	▲	▲
S224.0600.L6	6	0,6	224068		▲		Δ	▲	Δ	▲
				P	●	●	●	●	●	●
				M	-	o	o	●	-	-
				K	-	●	o	-	-	-
				N	-	●	-	-	-	-
				S	-	o	-	o	-	-
				H	-	-	-	-	-	-

T

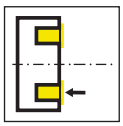
Gorge frontale
Gole assiali

Porte outils
Portainserto
LA210/RA210/LA226/
RA226



Page/Pag.
554-557

Cassette
Cartuccia
LAK220/RAK220/
LIK220/RIK220



Page/Pag.
558-565

Plaquette amovible
Inserto
S229



Page/Pag.
566



Page/Pag.
567



Page/Pag.
568



Page/Pag.
569

Plaquette de coupe
Inserto
229



Page/Pag.
570

T

229



T

Porte outils et plaquettes

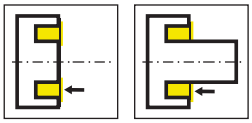
Largeur de gorge 4-8 mm

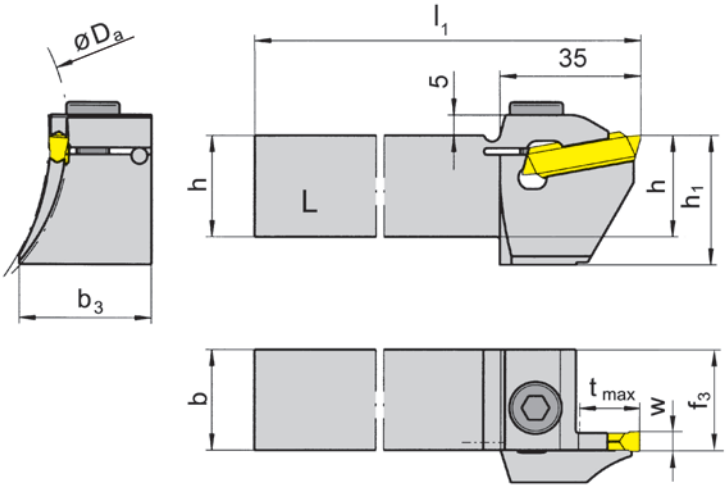
Portainserto e inserti

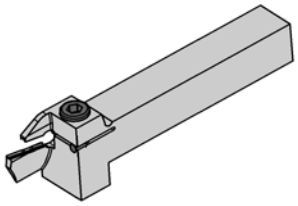
Larghezza della gola 4-8 mm

Porte outils
Portainserto

LA210







L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	h	b	l_1	h_1	b_3	f_3	t_{max}	$D_{a\ min}$	$D_{a\ max}$	w	HWS
LA210.20.1318.14	20	20	150	32	25	20,5	15	130	180	4	229040
LA210.20.9513.14	20	20	150	32	26	20,5	15	95	130	4	229040
LA210.25.1318.14	25	25	150	32	30	25,5	15	130	180	4	229040
LA210.25.9513.14	25	25	150	32	31	25,5	15	95	130	4	229040
LA210.20.1318.15	20	20	150	32	25	20,5	15	130	180	5	229050 • 229051
LA210.20.9513.15	20	20	150	32	28	20,5	15	95	130	5	229050 • 229051
LA210.25.1318.15	25	25	150	32	30	25,5	15	130	180	5	229050 • 229051
LA210.25.9513.15	25	25	150	32	33	25,5	15	95	130	5	229050 • 229051
LA210.25.1318.18	25	25	150	32	30,5	25,5	15	130	180	8	229080 • 229081

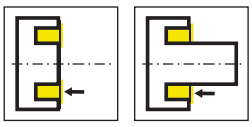
Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

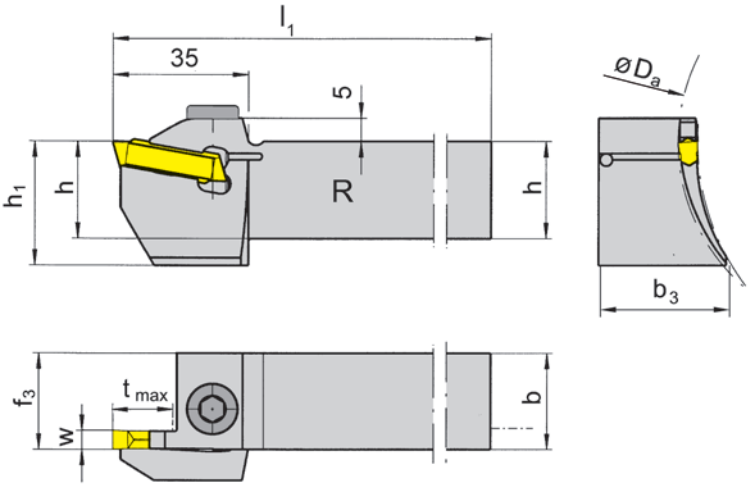
Pièces Détachées
Ricambi

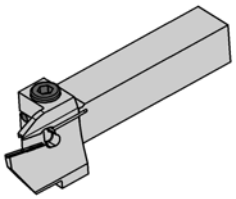
Porte outils Portainserto	**Vis de serrage** Vite di serraggio
LA210...	**218.3**

Porte outils
Portainserto

RA210







R = version à droite
R = versione destra

Numéro de commande Codice prodotto	h	b	l_1	h_1	b_3	f_3	t_{max}	$D_{a\ min}$	$D_{a\ max}$	w	HWS
RA210.20.9513.14	20	20	150	32	26	20,5	15	95	130	4	229040
RA210.25.1318.14	25	25	150	32	30	25,5	15	130	180	4	229040
RA210.25.9513.14	25	25	150	32	31	25,5	15	95	130	4	229040
RA210.20.1318.15	20	20	150	32	25	20,5	15	130	180	5	229050 • 229051
RA210.25.1318.15	25	25	150	32	30	25,5	15	130	180	5	229050 • 229051
RA210.32.1318.15	32	32	150	32	37	32,5	15	130	180	5	229050 • 229051
RA210.20.9513.15	20	20	150	32	28	20,5	15	95	130	5	229050 • 229051
RA210.25.9513.15	25	25	150	32	33	25,5	15	95	130	5	229050 • 229051
RA210.25.1318.18	25	25	150	32	30,5	25,5	15	130	180	8	229080 • 229081

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

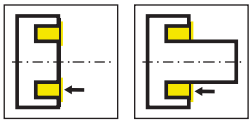
T

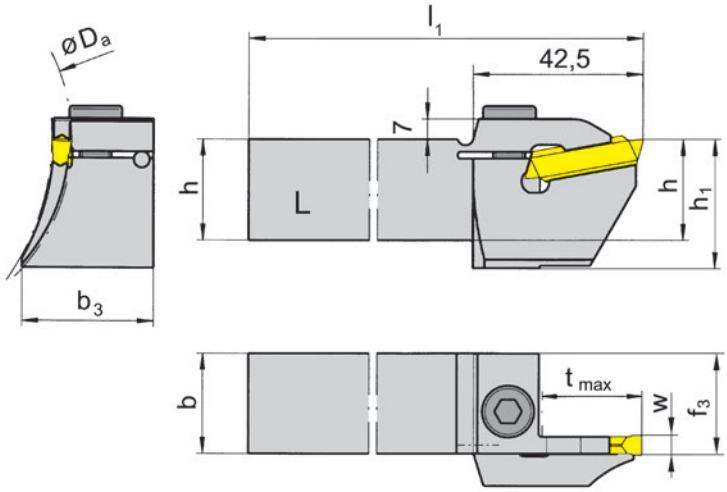
Pièces Détachées
Ricambi

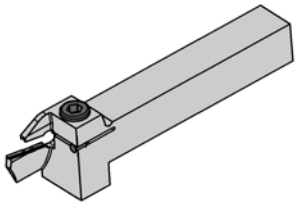
Porte outils Portainserto	**Vis de serrage** Vite di serraggio
RA210...	**218.3**

Porte outils
Portainserto

LA226







L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_3	t_{max}	$D_{a\ min}$	$D_{a\ min2}$	w	b_3	HWS
LA226.20.1318.04	20	20	150	32	20,5	25	130	180	4	25	229040
LA226.20.9513.04	20	20	150	32	20,5	25	95	130	4	26	229040
LA226.25.1318.04	25	25	150	32	25,5	25	130	180	4	30	229040
LA226.25.9513.04	25	25	150	32	25,5	25	95	130	4	31	229040
LA226.20.1318.05	20	20	150	32	20,5	25	130	180	5	25	229050 • 229051
LA226.20.9513.05	20	20	150	32	20,5	25	95	130	5	28	229050 • 229051
LA226.25.1318.05	25	25	150	32	25,5	25	130	180	5	30	229050 • 229051
LA226.25.9513.05	25	25	150	32	25,5	25	95	130	5	33	229050 • 229051

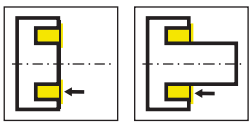
Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

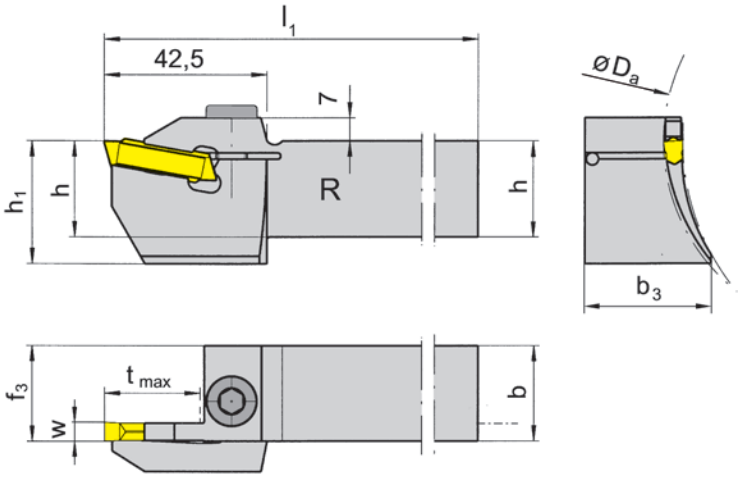
Pièces Détachées
Ricambi

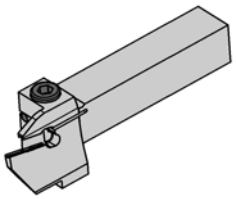
Porte outils Portainserto	**Vis de serrage** Vite di serraggio
LA226...	**218.3**

Porte outils
Portainserto

RA226







R = version à droite
R = versione destra

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_3	t_{max}	$D_{a\ min}$	$D_{a\ min2}$	w	b_3	HWS
RA226.20.1318.04	20	20	150	32	20,5	25	130	180	4	25	229040
RA226.20.9513.04	20	20	150	32	20,5	25	95	130	4	26	229040
RA226.25.1318.04	25	25	150	32	25,5	25	130	180	4	30	229040
RA226.25.9513.04	25	25	150	32	25,5	25	95	130	4	31	229040
RA226.20.1318.05	20	20	150	32	20,5	25	130	180	5	25	229050 • 229051
RA226.20.9513.05	20	20	150	32	20,5	25	95	130	5	28	229050 • 229051
RA226.25.1318.05	25	25	150	32	25,5	25	130	180	5	30	229050 • 229051
RA226.25.9513.05	25	25	150	32	25,5	25	95	130	5	33	229050 • 229051

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

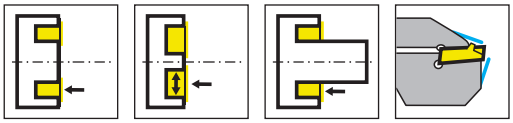
T

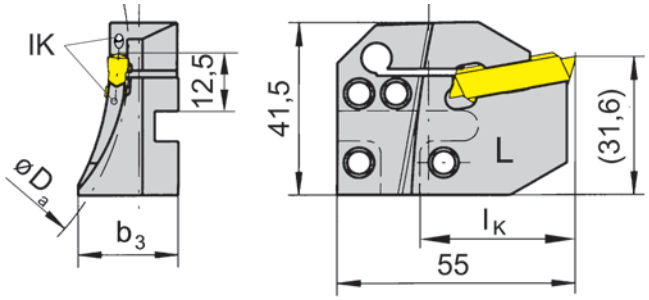
Pièces Détachées
Ricambi

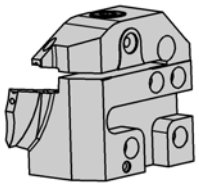
Porte outils Portainserto	**Vis de serrage** Vite di serraggio
RA226...	**218.3**

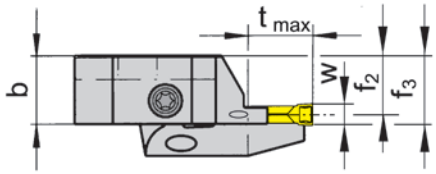
Cassette
Cartuccia

LAK220









L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	L_K	HWS	HMS
LAK220.6575.04.IK	65	75	10-15	15,7	23	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.7595.04.IK	75	95	15-25	15,7	23	14,4	f_2+w/2	4	36	229040	220002
LAK220.9513.04.IK	95	130	25	15,7	21,2	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.1318.04.IK	130	180	25	15,7	21,2	14,4	f_2+w/2	4	36	229040	220002
LAK220.1830.04.IK	180	300	25	15,7	21,2	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.3000.04.IK	300	1000	25	15,7	16,8	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.6075.05.IK	60	75	10-17	15,7	23	13,9	f_2+w/2	5	36	229050 • 229051	220002
LAK220.7595.05.IK	75	95	17-25	15,7	23	13,9	f_2+w/2	5	36	229040	220002
LAK220.9513.05.IK	95	130	25	15,7	23	13,9	f_2+w/2	5	36	229040	220002
LAK220.1318.05.IK	130	180	25	15,7	21,2	13,9	f_2+w/2	5	36	229040	220002
LAK220.1830.05.IK	180	300	25	15,7	19	13,9	f_2+w/2	5	36	229040	220002
LAK220.3000.05.IK	300	1000	25	15,7	16,8	13,9	f_2+w/2	5	36	229040	220002
LAK220.6075.06.IK	60	75	10-17	15,7	23	13,4	f_2+w/2	6	36	229040	220002
LAK220.7595.06.IK	75	95	17-25	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220002
LAK220.9513.06.IK	95	130	25	15,7	23	13,4	f_2+w/2	6	36	229040	220002
LAK220.1318.06.IK	130	180	25	15,7	21,2	13,4	f_2+w/2	6	36	229040	220002
LAK220.1830.06.IK	180	300	25	15,7	19	13,4	f_2+w/2	6	36	229040	220002
LAK220.3000.06.IK	300	1000	25	15,7	16,8	13,4	f_2+w/2	6	36	229040	220002

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

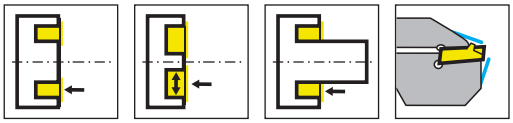
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

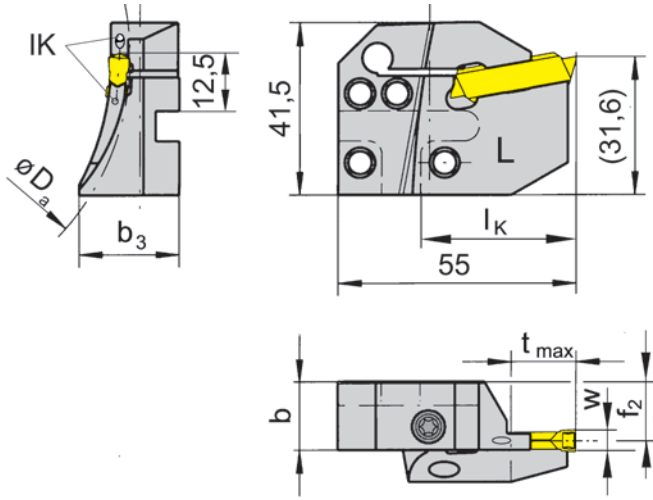
Pièces Détachées
Ricambi

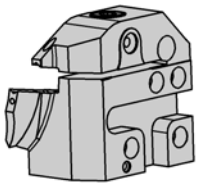
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LAK220...	**6.23T25P**	**T25PQ**

Cassette
Cartuccia

LAK220







L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	b_3	f_2	f_3	w	L_K	HWS	HMS
LAK220.6575.14.IK	65	75	10	15,7	23	14,4	f_2+w/2	4	36	229040	220002
LAK220.7595.14.IK	75	95	15	15,7	23	14,4	f_2+w/2	4	36	229040	220002
LAK220.9513.14.IK	95	130	15	15,7	21,2	14,4	f_2+w/2	4	36	229040	220002
LAK220.1318.14.IK	130	180	15	15,7	21,2	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.1830.14.IK	180	300	15	15,7	19	14,4	f_2+w/2	4	36	229050 • 229051	220002
LAK220.6075.15.IK	60	75	10	15,7	23	13,9	f_2+w/2	5	36	229050 • 229051	220002
LAK220.7595.15.IK	75	95	15	15,7	23	13,9	f_2+w/2	5	36	229040	220002
LAK220.9513.15.IK	95	130	15	15,7	23	13,9	f_2+w/2	5	36	229040	220002
LAK220.1318.15.IK	130	180	15	15,7	21,2	13,9	f_2+w/2	5	36	229040	220002
LAK220.1830.15.IK	180	300	15	15,7	19	13,9	f_2+w/2	5	36	229040	220002
LAK220.6075.16.IK	60	75	10	15,7	23	13,4	f_2+w/2	6	36	229040	220002
LAK220.7595.16.IK	75	95	15	15,7	23	13,4	f_2+w/2	6	36	229040	220002
LAK220.9513.16.IK	95	130	15	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220002
LAK220.1318.16.IK	130	180	15	15,7	21,2	13,4	f_2+w/2	6	36	229040	220002
LAK220.1830.16.IK	180	300	15	15,7	19	13,4	f_2+w/2	6	36	229040	220002

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

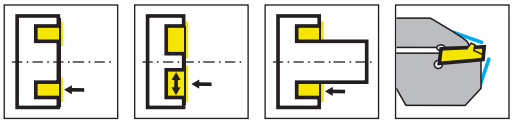
Pièces Détachées
Ricambi

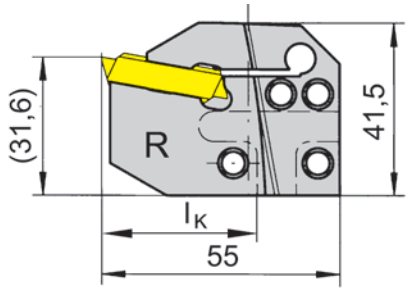
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LAK220...	**6.23T25P**	**T25PQ**

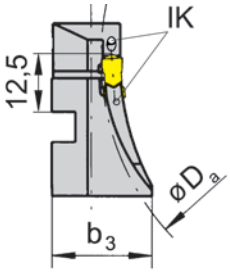
T

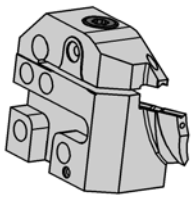
Cassette
Cartuccia

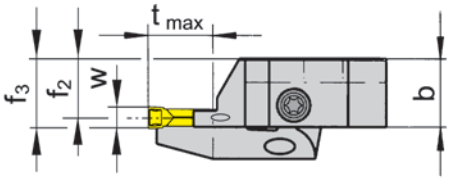
RAK220











R = version à droite
R = versione destra

Numéro de commande Codice prodotto	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS	HMS
RAK220.6575.04.IK	65	75	10-15	15,7	23	14,4	f_2+w/2	4	36	229040	220001
RAK220.7595.04.IK	75	95	15-25	15,7	23	14,4	f_2+w/2	4	36	229040	220001
RAK220.9513.04.IK	95	130	25	15,7	21,2	14,4	f_2+w/2	4	36	229040	220001
RAK220.1318.04.IK	130	180	25	15,7	21,2	14,4	f_2+w/2	4	36	229040	220001
RAK220.1830.04.IK	180	300	25	15,7	19	14,4	f_2+w/2	4	36	229040	220001
RAK220.3000.04.IK	300	1000	25	15,7	16,8	14,4	f_2+w/2	4	36	229040	220001
RAK220.6075.05.IK	60	75	10-17	15,7	23	13,9	f_2+w/2	5	36	229040	220001
RAK220.7595.05.IK	75	95	17-25	15,7	23	13,9	f_2+w/2	5	36	229040	220001
RAK220.9513.05.IK	95	130	25	15,7	23	13,9	f_2+w/2	5	36	229040	220001
RAK220.1318.05.IK	130	180	25	15,7	21,2	13,9	f_2+w/2	5	36	229040	220001
RAK220.1830.05.IK	180	300	25	15,7	19	13,9	f_2+w/2	5	36	229040	220001
RAK220.3000.05.IK	300	1000	25	15,7	16,8	13,9	f_2+w/2	5	36	229040	220001
RAK220.6075.06.IK	60	75	10-17	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.7595.06.IK	75	95	17-25	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.9513.06.IK	95	130	25	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1318.06.IK	130	180	25	15,7	21,2	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1830.06.IK	180	300	25	15,7	19	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.3000.06.IK	300	1000	25	15,7	16,8	13,4	f_2+w/2	6	36	229050 • 229051	220001

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

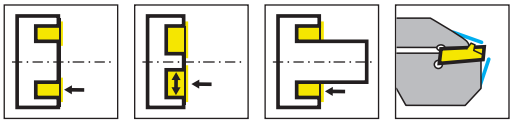
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

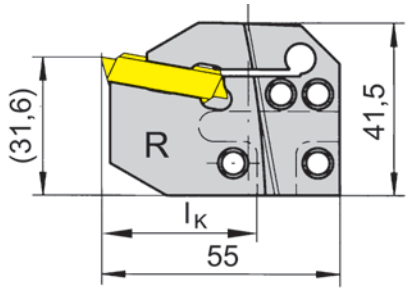
Pièces Détachées
Ricambi

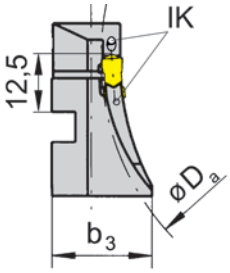
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RAK220...	**6.23T25P**	**T25PQ**

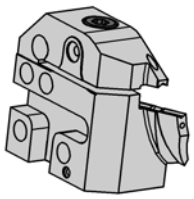
Cassette
Cartuccia

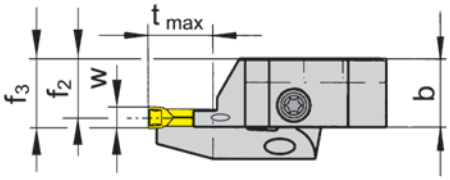
RAK220











R = version à droite
R = versione destra

Numéro de commande Codice prodotto	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	b_3	f_2	f_3	w	l_K	HWS	HMS
RAK220.6575.14.IK	65	75	10	15,7	23	14,4	f_2+w/2	4	36	229040	220001
RAK220.7595.14.IK	75	95	15	15,7	23	14,4	f_2+w/2	4	36	229040	220001
RAK220.9513.14.IK	95	130	15	15,7	21,2	14,4	f_2+w/2	4	36	229040	220001
RAK220.1318.14.IK	130	180	15	15,7	21,2	14,4	f_2+w/2	4	36	229040	220001
RAK220.1830.14.IK	180	300	15	15,7	19	14,4	f_2+w/2	4	36	229040	220001
RAK220.6075.15.IK	60	75	10	15,7	23	13,4	f_2+w/2	5	36	229040	220001
RAK220.7595.15.IK	75	95	15	15,7	23	13,9	f_2+w/2	5	36	229040	220001
RAK220.9513.15.IK	95	130	15	15,7	23	13,9	f_2+w/2	5	36	229040	220001
RAK220.1318.15.IK	130	180	15	15,7	21,2	13,9	f_2+w/2	5	36	229040	220001
RAK220.1830.15.IK	180	300	15	15,7	19	13,9	f_2+w/2	5	36	229040	220001
RAK220.6075.16.IK	60	75	10	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.7595.16.IK	75	95	15	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.9513.16.IK	95	130	15	15,7	23	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1318.16.IK	130	180	15	15,7	21,2	13,4	f_2+w/2	6	36	229050 • 229051	220001
RAK220.1830.16.IK	180	300	15	15,7	19	13,4	f_2+w/2	6	36	229050 • 229051	220001

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

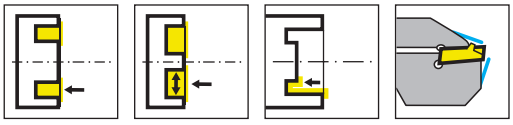
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

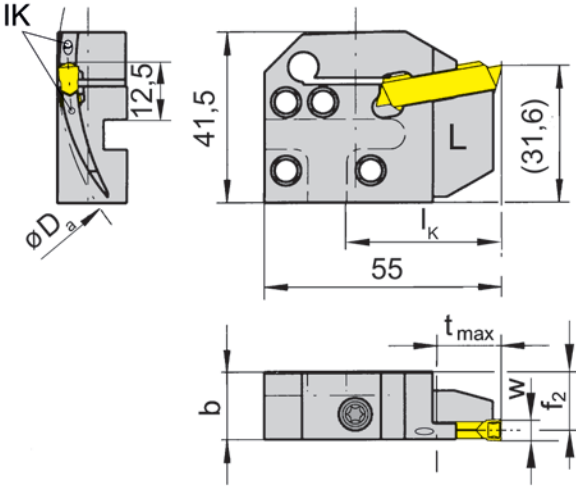
Pièces Détachées
Ricambi

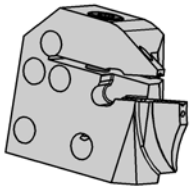
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RAK220...	**6.23T25P**	**T25PQ**

Cassette
Cartuccia

LIK220







L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	f_2	f_3	w	l_K	HWS	HMS
LIK220.6575.04.IK	65	75	10-15	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.7595.04.IK	75	95	17-25	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.9513.04.IK	95	130	25	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.1318.04.IK	130	180	25	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.1830.04.IK	180	300	25	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.3000.04.IK	300	1000	25	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.6075.05.IK	60	75	10-17	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.7595.05.IK	75	95	17-25	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.9513.05.IK	95	130	25	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.1318.05.IK	130	180	25	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.1830.05.IK	180	300	25	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.3000.05.IK	300	1000	25	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.6075.06.IK	60	75	10-17	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.7595.06.IK	75	95	17-25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.9513.06.IK	95	130	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1318.06.IK	130	180	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1830.06.IK	180	300	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.3000.06.IK	300	1000	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

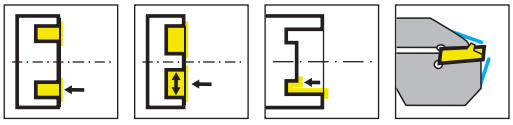
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

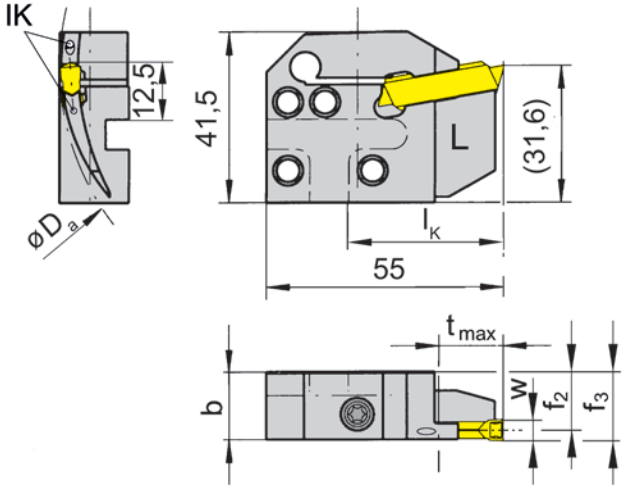
Pièces Détachées
Ricambi

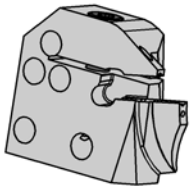
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LIK220...	**6.23T25P**	**T25PQ**

Cassette
Cartuccia

LIK220







L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	$D_{a\ min}$	$D_{a\ max}$	t_{max}	b	f_2	f_3	w	l_K	HWS	HMS
LIK220.6575.14.IK	65	75	10	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.7595.14.IK	75	95	15	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.9513.14.IK	95	130	15	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.1318.14.IK	130	180	15	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.1830.14.IK	180	300	15	15,7	14,4	f_2+w/2	4	36	229040	220002
LIK220.6075.15.IK	60	75	10	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.7595.15.IK	75	95	15	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.9513.15.IK	95	130	15	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.1318.15.IK	130	180	15	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.1830.15.IK	180	300	15	15,7	13,9	f_2+w/2	5	36	229040	220002
LIK220.6075.16.IK	130	180	10	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.7595.16.IK	75	95	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.9513.16.IK	95	130	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1318.16.IK	130	180	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002
LIK220.1830.16.IK	180	300	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220002

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

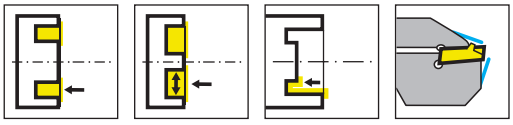
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

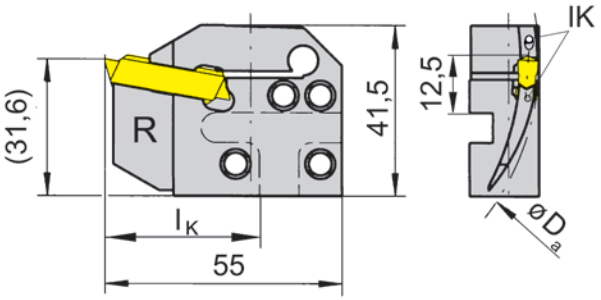
Pièces Détachées
Ricambi

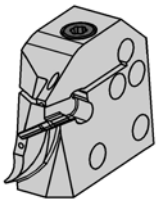
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LIK220...	**6.23T25P**	**T25PQ**

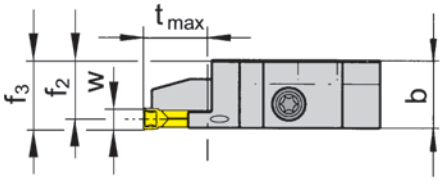
Cassette
Cartuccia

RIK220









R = version à droite
R = versione destra

Numéro de commande Codice prodotto	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS	HMS
RIK220.6575.04.IK	65	75	10-15	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.7595.04.IK	75	95	17-25	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.9513.04.IK	95	130	25	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.1318.04.IK	130	180	25	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.1830.04.IK	180	300	25	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.3000.04.IK	300	1000	25	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.6075.05.IK	60	75	10-17	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.7595.05.IK	75	95	17-25	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.9513.05.IK	95	130	25	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.1318.05.IK	130	180	25	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.1830.05.IK	180	300	25	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.3000.05.IK	300	1000	25	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.6075.06.IK	60	75	10-17	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.7595.06.IK	75	95	17-25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.9513.06.IK	95	130	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1318.06.IK	130	180	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1830.06.IK	180	300	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.3000.06.IK	300	1000	25	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

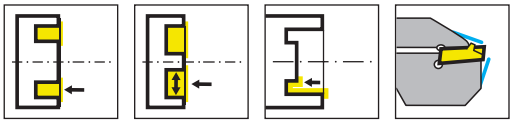
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

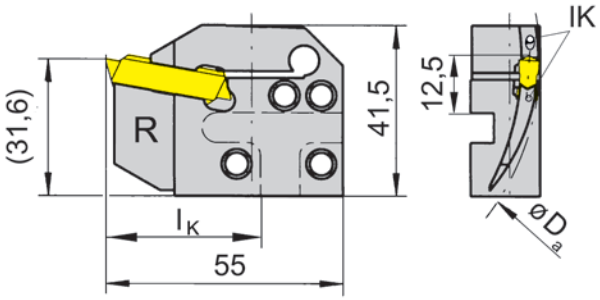
Pièces Détachées
Ricambi

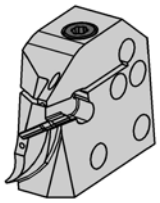
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RIK220...	**6.23T25P**	**T25PQ**

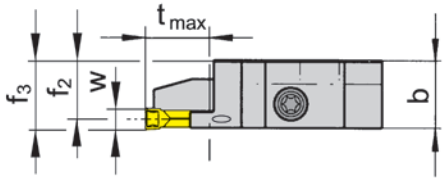
Cassette
Cartuccia

RIK220









R = version à droite
R = versione destra

Numéro de commande Codice prodotto	$D_{a\,min}$	$D_{a\,max}$	t_{max}	b	f_2	f_3	w	l_K	HWS	HMS
RIK220.6575.14.IK	65	75	10	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.7595.14.IK	75	95	15	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.9513.14.IK	95	130	15	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.1318.14.IK	130	180	15	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.1830.14.IK	180	300	15	15,7	14,4	f_2+w/2	4	36	229040	220001
RIK220.6075.15.IK	60	75	10	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.7595.15.IK	75	95	15	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.9513.15.IK	95	130	15	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.1318.15.IK	130	180	15	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.1830.15.IK	180	300	15	15,7	13,9	f_2+w/2	5	36	229040	220001
RIK220.6075.16.IK	60	75	10	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.7595.16.IK	75	95	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.9513.16.IK	95	130	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1318.16.IK	130	180	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001
RIK220.1830.16.IK	180	300	15	15,7	13,4	f_2+w/2	6	36	229050 • 229051	220001

Respecter la largeur de la plaquette
Si prega di notare la larghezza dell'inserto

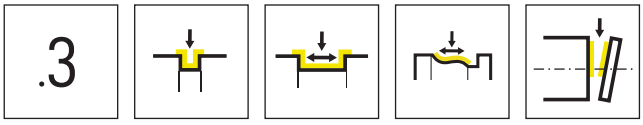
La vis de serrage est vendue avec le base de support.
La vite di bloccaggio è fornita col portainserto base - non va ordinata separatamente.

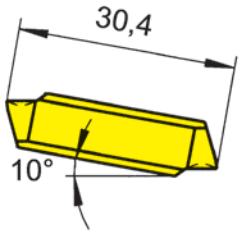
Pièces Détachées
Ricambi

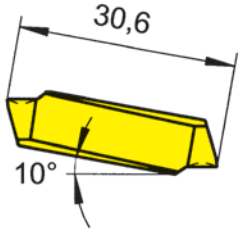
Cassette Cartuccia	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RIK220...	**6.23T25P**	**T25PQ**

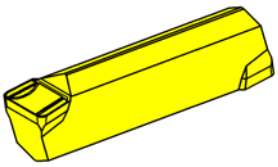
Plaquette amovible
Inserto

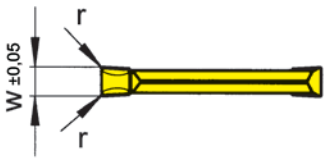
S229

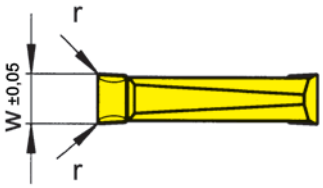












Largeur 4 - 5 mm
Larghezza 4 - 5 mm

Largeur 6 mm
Larghezza 6 mm

Nuance
Leghe

▲ en stock
a stock

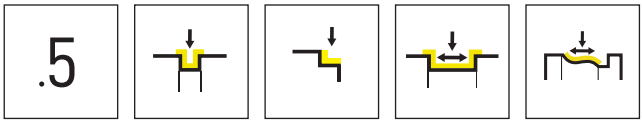
Δ 4 semaines
4 settimane

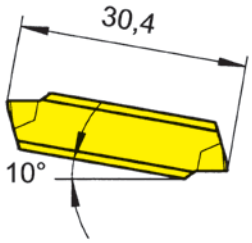
Numéro de commande Codice prodotto	w	r	HIS		AL96	AS62	AS66	H54	IG66	TF45	TI22	TI25	TN32	TN35
S229.0400.32	4	0,2	229030 • 229040			▲	▲	▲	▲	▲		▲	▲	▲
S229.0400.34	4	0,4	229030 • 229040			▲	▲	▲	▲	▲	Δ	▲	▲	▲
S229.0500.34	5	0,4	229040			▲	▲	Δ	▲	▲	▲	▲	▲	▲
S229.0500.36	5	0,6	229040					Δ	▲		Δ	Δ	Δ	Δ
S229.0600.34	6	0,4	229051		▲	▲	▲	Δ	▲	▲	Δ	▲	▲	▲
S229.0600.38	6	0,8	229051		▲	▲	▲		▲		Δ			
				P	●	●	●	●	●	●	●	●	●	●
				M	-	-	o	●	●	●	-	●	-	●
				K	●	-	●	-	-	●	-	●	-	●
				N	●	-	●	-	-	●	-	●	-	●
				S	-	-	o	-	o	●	-	●	-	●
				H	-	-	-	-	-	-	-	-	-	-

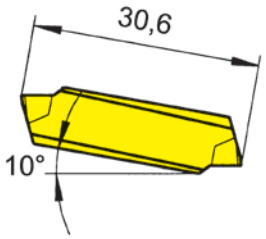
T

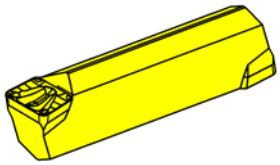
Plaquette amovible
Inserto

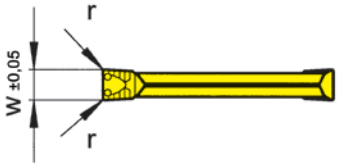
S229

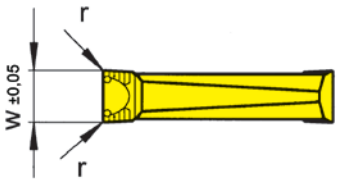












Largeur 4 - 5 mm
Larghezza 4 - 5 mm

Largeur 6 mm
Larghezza 6 mm

Nuance
Leghe

▲ en stock
a stock

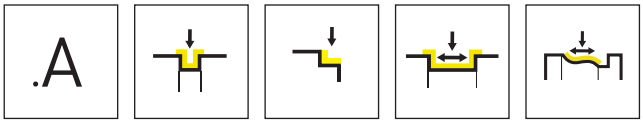
Δ 4 semaines
4 settimane

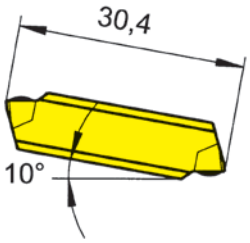
Numéro de commande Codice prodotto	w	r	HIS	AS62	IG66	TF45	TI22	TI25	TN32	TN35
S229.0400.52	4	0,2	229030 • 229040	▲	▲	▲	▲	▲	▲	▲
S229.0400.54	4	0,4	229030 • 229040	▲	▲	▲	▲	▲	▲	▲
S229.0500.54	5	0,4	229040	▲	▲	▲	▲	▲	▲	▲
S229.0500.56	5	0,6	229040		▲			Δ	Δ	Δ
S229.0600.54	6	0,4	229051	▲	▲	▲		▲	▲	▲
S229.0600.56	6	0,6	229051		▲			Δ	Δ	Δ
P				●	●	●	●	●	●	●
M				-	●	●	-	●	-	●
K				-	-	●	-	●	-	●
N				-	-	●	-	●	-	●
S				-	o	●	-	●	-	●
H				-	-	-	-	-	-	-

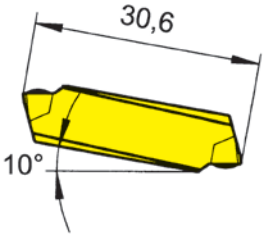
T

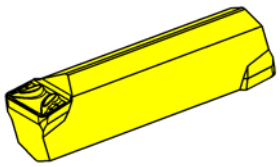
Plaquette amovible
Inserto

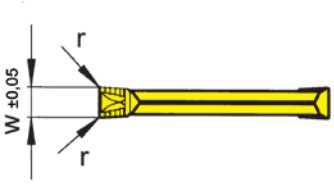
S229

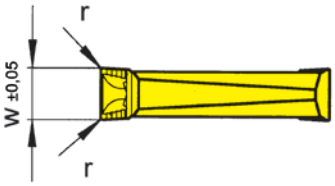












Largeur 4 - 5 mm
Larghezza 4 - 5 mm

Largeur 6 mm
Larghezza 6 mm

Nuance
Leghe

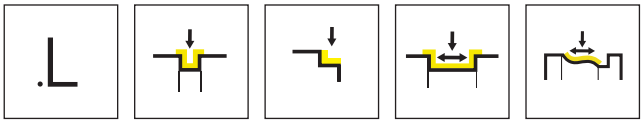
▲ en stock
a stock

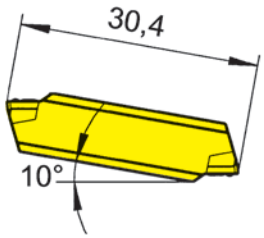
Δ 4 semaines
4 settimane

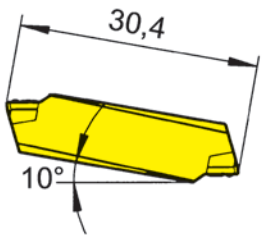
Numéro de commande Codice prodotto	w	r	HIS		AS62	IG66	TF42	TF45	TI22	TI25	TN32	TN35
S229.0400.A2	4	0,2	229030 • 229040		▲			▲	Δ	▲	▲	▲
S229.0400.A4	4	0,4	229030 • 229040		▲		▲	Δ	▲	▲	▲	▲
S229.0500.A4	5	0,4	229040		▲	▲		Δ	▲	Δ	▲	▲
S229.0600.A4	6	0,4	229051		▲		Δ	▲	▲	Δ	▲	▲
				P	●	●	●	●	●	●	●	●
				M	-	●	-	●	-	●	-	●
				K	-	-	-	●	-	●	-	●
				N	-	-	-	●	-	●	-	●
				S	-	o	-	●	-	●	-	●
				H	-	-	-	-	-	-	-	-

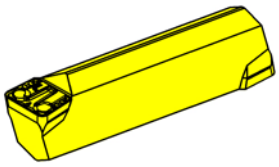
Plaquette amovible
Inserto

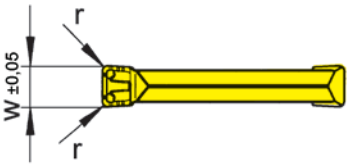
S229

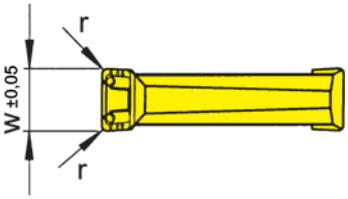












Largeur 4 - 5 mm
Larghezza 4 - 5 mm

Largeur 6 mm
Larghezza 6 mm

Nuance
Leghe

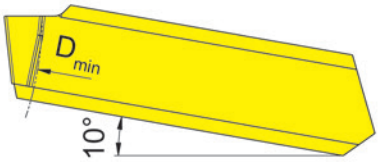
▲ en stock
a stock

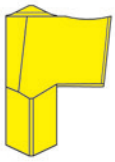
Δ 4 semaines
4 settimane

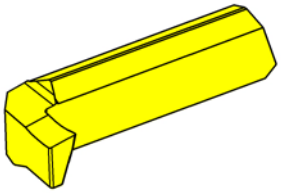
Numéro de commande Codice prodotto	w	r	HIS	AS62	AS65	AS66	IG65	IG66	TF42	TI22
S229.0300.L6	3	0,6	229020 • 229030		▲		▲			
S229.0300.L8	3	0,8	229020 • 229030		▲		▲			
S229.0400.L4	4	0,4	229030 • 229040	▲		▲		▲	▲	▲
S229.0500.L4	5	0,4	229040	▲		▲		▲	▲	▲
S229.0500.L6	5	0,6	229040	▲		▲		▲	▲	
S229.0600.L4	6	0,4	229050	▲		▲		▲	▲	▲
S229.0600.L6	6	0,6	229050	▲		▲		▲	▲	▲
P				●	●	●	●	●	●	●
M				-	o	o	●	●	-	-
K				-	o	●	-	-	-	-
N				-	-	●	-	-	-	-
S				-	-	o	o	o	-	-
H				-	-	-	-	-	-	-

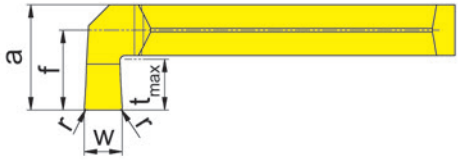
T

.10









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

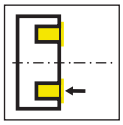
Numéro de commande Codice prodotto	w	r	t_{max}	a	f	D_{min}	HIS	AS65
R229.3040.HA50.12	3	0,2	4	8,3	6,3	50	229040	Δ
R229.4040.HA50.12	4	0,2	4	8,3	6,3	50	229040	Δ
L229.3040.HA50.12	3	0,2	4	8,3	6,3	50	229040	Δ
L229.4040.HA50.12	4	0,2	4	8,3	6,3	50	229040	Δ

P	●
M	o
K	o
N	-
S	-
H	-

T

Gorge frontale
Gole assiali

Porte outils
Portainserto
221/228



Page/Pag.
574-575

Plaquette amovible
Inserto
231/N231

.3

Page/Pag.
576

T

231



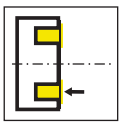
T

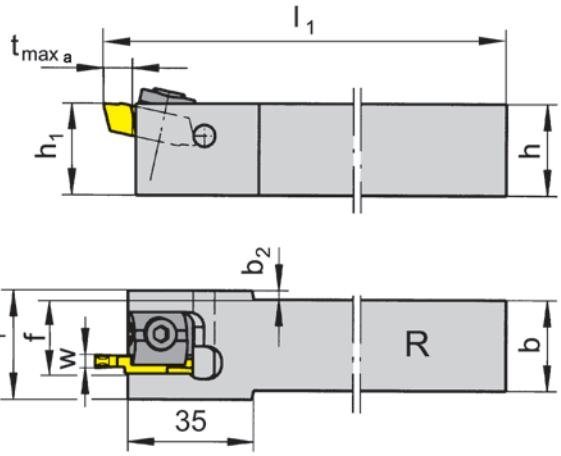
Porte outils et plaquettes

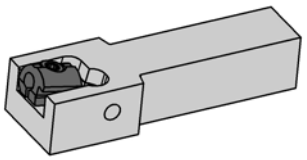
Largeur de gorge 3 - 10 mm

Portainserto e inserti

Larghezza della gola 3 - 10 mm







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

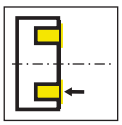
Numéro de commande Codice prodotto	h	b	l_1	h_1	b_1	f	$t_{max\ a}$	b_2	$D_{a\ min}$	HWS
R221.2020.04	20	20	125	20	28	17,9	8	4	40	23104R • 23104N
R221.2525.04	25	25	150	25	28	20,4	8	1,5	40	23104R • 23104N
R221.2020.05	20	20	125	20	30	18,9	8	5	40	23105R • 23105N
R221.2525.05	25	25	150	25	30	21,4	8	2,5	40	23105R • 23105N
R221.2020.07	20	20	125	20	32	19,9	8	6	40	23107R • 23107N
R221.2525.07	25	25	150	25	32	22,4	8	3,5	40	23107R • 23107N
R221.2020.09	20	20	125	20	34	20,9	8	7	40	23109R • 23109N
R221.2525.09	25	25	150	25	34	23,4	8	4,5	40	23109R • 23109N
L221.2020.04	20	20	125	20	28	17,9	8	4	40	23104L • 23104N
L221.2525.04	25	25	150	25	28	20,4	8	1,5	40	23104L • 23104N
L221.2020.05	20	20	125	20	30	18,9	8	5	40	23105L • 23105N
L221.2525.05	25	25	150	25	30	21,4	8	2,5	40	23105L • 23105N
L221.2020.07	20	20	125	20	32	19,9	8	6	40	23107L • 23107N
L221.2525.07	25	25	150	25	32	22,4	8	3,5	40	23107L • 23107N
L221.2020.09	20	20	125	20	34	20,9	8	7	40	23109L • 23109N
L221.2525.09	25	25	150	25	34	23,4	8	4,5	40	23109L • 23109N

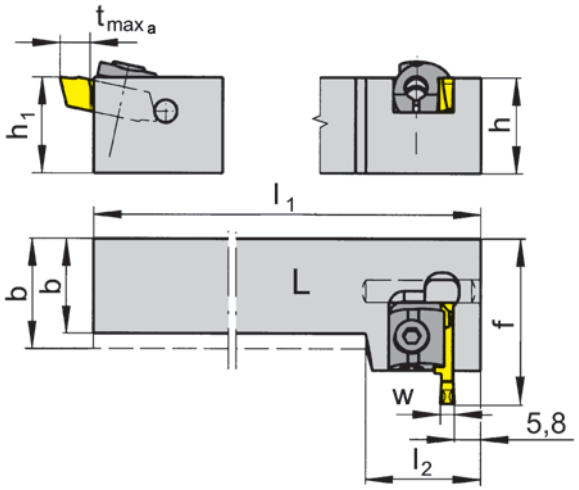
w voir plaquettes amovibles
w vd. inserti

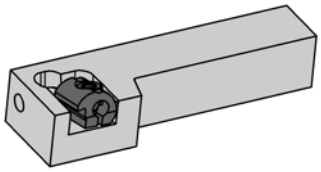
Ce porte-outil peut être utilisé à partir de Da = 30 mm jusqu'à ∞ en fonction
Questo portainserto può essere usato da Da = 30 mm fino a ∞ a seconda della profondità della gola

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L221...	**01.60.12**	**T20PQ**







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	h_1	f	$t_{max\,a}$	$D_{a\,min}$	l_1	l_2	HWS
R228.2020.04	20	20	20	38,5	8	40	125	35,5	23104R • 23104N
R228.2525.04	25	25	25	38,5	8	40	150	35,5	23104R • 23104N
R228.2020.05	20	20	20	38,5	8	40	125	35,5	23105R • 23105N
R228.2525.05	25	25	25	38,5	8	40	150	35,5	23105R • 23105N
R228.2020.07	20	20	20	38,5	8	40	125	35,5	23107R • 23107N
R228.2525.07	25	25	25	38,5	8	40	150	35,5	23107R • 23107N
R228.2020.09	20	20	20	38,5	8	40	125	35,5	23109R • 23109N
R228.2525.09	25	25	25	38,5	8	40	150	35,5	23109R • 23109N
L228.2020.04	20	20	20	38,5	8	40	125	35,5	23104L • 23104N
L228.2525.04	25	25	25	38,5	8	40	150	35,5	23104L • 23104N
L228.2020.05	20	20	20	38,5	8	40	125	35,5	23105L • 23105N
L228.2525.05	25	25	25	38,5	8	40	150	35,5	23105L • 23105N
L228.2525.07	25	25	25	38,5	8	40	150	35,5	23107L • 23107N
L228.2020.09	20	20	20	38,5	8	40	125	35,5	23109L • 23109N
L228.2525.09	25	25	25	38,5	8	40	150	35,5	23109L • 23109N

w voir plaquettes amovibles
w vd. inserti

Ce porte-outil peut être utilisé à partir de Da = 30 mm jusqu'à ∞ en fonction
Questo portainserto può essere usato da Da = 30 mm fino a ∞ a seconda della profondità della gola

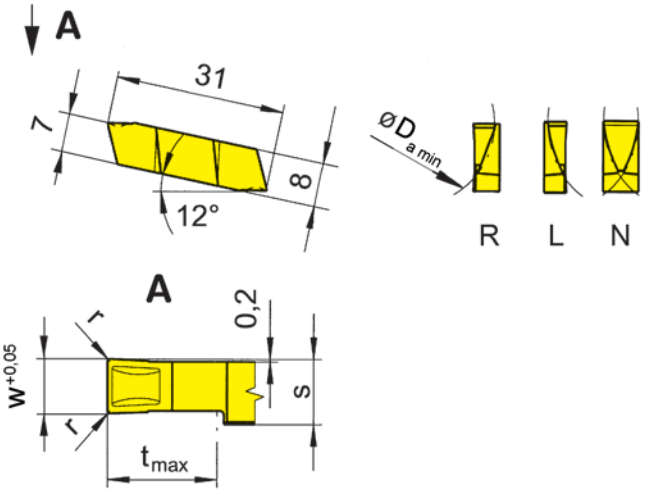
Pièces Détachées
Ricambi

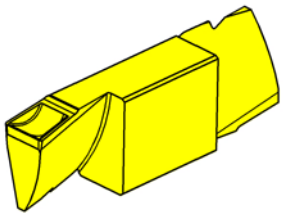
Porte outils Portainserto	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L228...	**01.60.12**	**T20PQ**

Plaquette amovible
Inserto

231 / N231

.3





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	s	$D_{a\ min}$	HIS	TN35
R231.4030.32	3	0,2	8	3,8	40	23104R	▲
R231.4040.32	4	0,2	8	3,8	40	23104R	▲
R231.4050.34	5	0,4	8	5,8	40	23105R	▲
L231.4030.32	3	0,2	8	3,8	40	23104L	▲
L231.4040.32	4	0,2	8	3,8	40	23104L	▲
L231.4050.34	5	0,4	8	5,8	40	23105L	▲
N231.4060.34	6	0,4	8	5,8	40	23105N	▲
N231.4070.36	7	0,6	8	7,8	40	23107N	Δ
N231.4080.36	8	0,6	8	7,8	40	23107N	▲
N231.4090.38	9	0,8	8	9,8	40	23109N	Δ
N231.4100.38	10	0,8	8	9,8	40	23109N	Δ

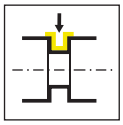
Extérieur-Ø de gorge < 40 mm sur Demande.
Esterno-Ø gola < 40 mm su richiesta.

P	●
M	●
K	●
N	●
S	●
H	-

T

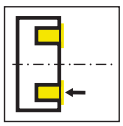
Gorge frontale
Gole assiali

Porte outils
Portainserto
360/369



Page/Pag.
580-581

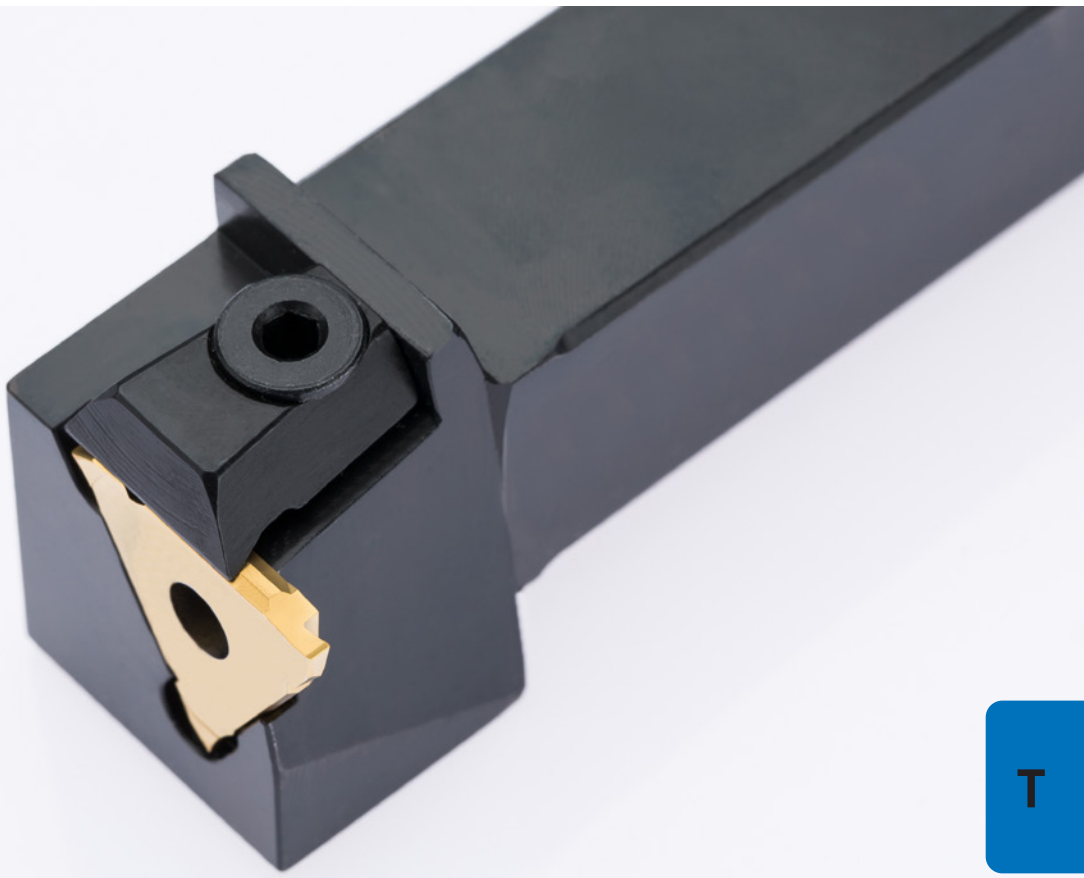
Plaquette amovible
Inserto
312



Page/Pag.
582

T

312



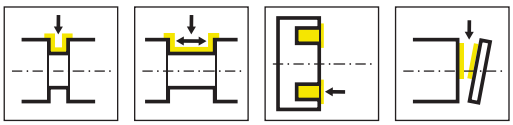
T

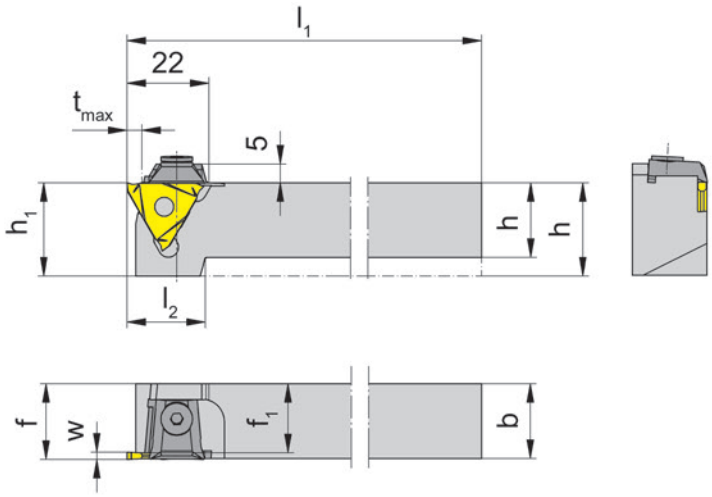
Porte outils et plaquettes

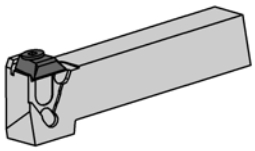
Largeur de gorge 1,5 - 5 mm

Portainserto e inserti

Larghezza della gola 1,5 - 5 mm







R = version à droite représentée
R = versione destra come in figura

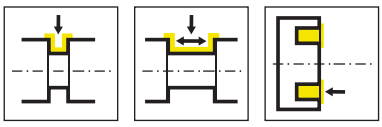
L = version à gauche
L = versione sinistra a specchio

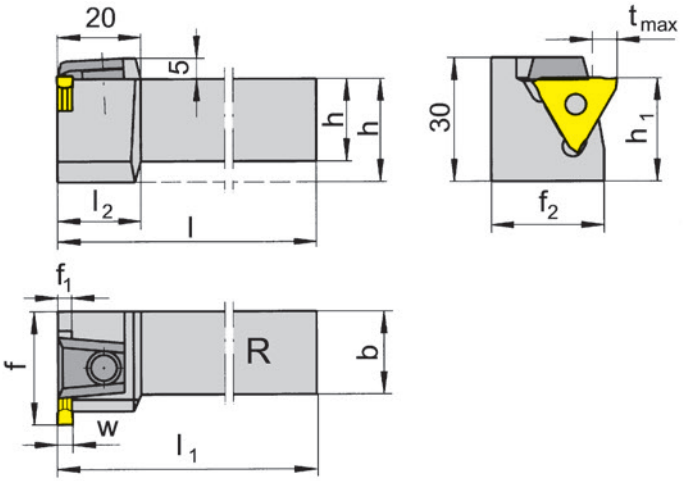
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R360.1212.02	12	12	100	24	25	9,5	f_1+w-a_1	6	31202N • 31202R • 31202L
R360.1616.02	16	16	125	22	25	13,5	f_1+w-a_1	6	31202N • 31202R • 31202L
R360.2020.02	20	20	125	21	25	17,5	f_1+w-a_1	6	31202N • 31202R • 31202L
R360.2525.02	25	25	150	-	25	22,5	f_1+w-a_1	6	31202N • 31202R • 31202L
R360.3232.02	32	32	170	-	32	29,5	f_1+w-a_1	6	31202N • 31202R • 31202L
R360.1212.03	12	12	100	24	25	8,5	f_1+w-a_1	6	31203N • 31203R • 31203L
R360.1616.03	16	16	125	22	25	12,5	f_1+w-a_1	6	31203N • 31203R • 31203L
R360.2020.03	20	20	125	21	25	16,5	f_1+w-a_1	6	31203N • 31203R • 31203L
R360.2525.03	25	25	150	-	25	21,5	f_1+w-a_1	6	31203N • 31203R • 31203L
R360.3232.03	32	32	170	-	32	28,5	f_1+w-a_1	6	31203N • 31203R • 31203L
R360.1616.04	16	16	125	22	25	10,8	f_1+w-a_1	6	31204N • 31204R • 31204L
R360.2020.04	20	20	125	21	25	14,8	f_1+w-a_1	6	31204N • 31204R • 31204L
R360.2525.04	25	25	150	-	25	19,8	f_1+w-a_1	6	31204N • 31204R • 31204L
R360.3232.04	32	32	170	-	32	26,8	f_1+w-a_1	6	31204N • 31204R • 31204L
L360.1212.02	12	12	100	24	25	9,5	f_1+w-a_1	6	31202N • 31202R • 31202L
L360.1616.02	16	16	125	22	25	13,5	f_1+w-a_1	6	31202N • 31202R • 31202L
L360.2020.02	20	20	125	21	25	17,5	f_1+w-a_1	6	31202N • 31202R • 31202L
L360.2525.02	25	25	150	-	25	22,5	f_1+w-a_1	6	31202N • 31202R • 31202L
L360.3232.02	32	32	170	-	32	29,5	f_1+w-a_1	6	31202N • 31202R • 31202L
L360.1212.03	12	12	100	24	25	8,5	f_1+w-a_1	6	31203N • 31203R • 31203L
L360.1616.03	16	16	125	22	25	12,5	f_1+w-a_1	6	31203N • 31203R • 31203L
L360.2020.03	20	20	125	21	25	16,5	f_1+w-a_1	6	31203N • 31203R • 31203L
L360.2525.03	25	25	150	-	25	21,5	f_1+w-a_1	6	31203N • 31203R • 31203L
L360.3232.03	32	32	170	-	32	28,5	f_1+w-a_1	6	31203N • 31203R • 31203L
L360.1616.04	16	16	125	22	25	10,8	f_1+w-a_1	6	31204N • 31204R • 31204L
L360.2020.04	20	20	125	21	25	14,8	f_1+w-a_1	6	31204N • 31204R • 31204L
L360.2525.04	25	25	150	-	25	19,8	f_1+w-a_1	6	31204N • 31204R • 31204L
L360.3232.04	32	32	170	-	32	26,8	f_1+w-a_1	6	31204N • 31204R • 31204L

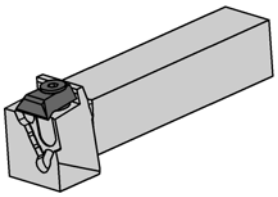
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L360.1...	**11.3**
R/L360.2.../.3...	**16.4**
R/L360.1616.04	**13.4**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

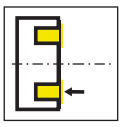
Numéro de commande Codice prodotto	h	b	l	l_1	l_2	h_1	f	t_{max}	f_1	f_2	HWS
R369.2020.02	20	20	125	$l-f_1+w-a_1$	20	25	27	6	2,5	23,5	31202N • 31202R • 31202L
R369.2525.02	25	25	150	$l-f_1+w-a_1$	-	25	32	6	2,5	28,5	31202N • 31202R • 31202L
R369.2020.03	20	20	125	$l-f_1+w-a_1$	20	25	27	6	3,5	23,5	31203N • 31203R • 31203L
R369.2525.03	25	25	150	$l-f_1+w-a_1$	-	25	32	6	3,5	28,5	31203N • 31203R • 31203L
R369.2020.04	20	20	125	$l-f_1+w-a_1$	20	25	27	6	4,5	23,5	31204N • 31204R • 31204L
R369.2525.04	25	25	150	$l-f_1+w-a_1$	-	25	32	6	4,5	28,5	31204N • 31204R • 31204L
L369.2020.02	20	20	125	$l-f_1+w-a_1$	20	25	27	6	2,5	23,5	31202N • 31202R • 31202L
L369.2525.02	25	25	150	$l-f_1+w-a_1$	-	25	32	6	2,5	28,5	31202N • 31202R • 31202L
L369.2020.03	20	20	125	$l-f_1+w-a_1$	20	25	27	6	3,5	23,5	31203N • 31203R • 31203L
L369.2525.03	25	25	150	$l-f_1+w-a_1$	-	25	32	6	3,5	28,5	31203N • 31203R • 31203L
L369.2020.04	20	20	125	$l-f_1+w-a_1$	20	25	27	6	4,5	23,5	31204N • 31204R • 31204L
L369.2525.04	25	25	150	$l-f_1+w-a_1$	-	25	32	6	4,5	28,5	31204N • 31204R • 31204L

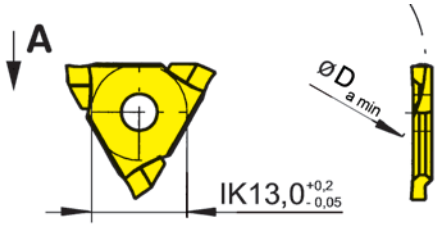
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

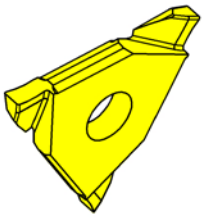
T

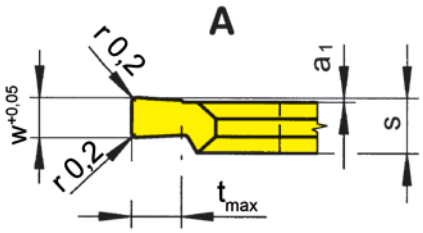
Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa
R/L369...	**16.4**









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

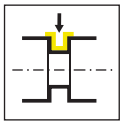
Nuance
Leghe

Numéro de commande Codice prodotto	w	t_{max}	a_1	s	$D_{a\ min}$	HIS	EG55	TN35
R312.2015.02	1,5	2	0,2	2,7	20	31202N • 31202R • 31202L	▲	▲
R312.3020.02	2	3	0,2	2,7	30	31202N • 31202R • 31202L	▲	▲
R312.3030.02	3	3	0,2	3,7	30	31203N • 31203R • 31203L	▲	▲
R312.3040.02	4	3,5	0,2	4,3	30	31204N • 31204R • 31204L	Δ	
R312.3050.02	5	3,5	0,2	5,3	30	31204N • 31204R • 31204L	Δ	
L312.2015.02	1,5	2	0,2	2,7	20	31202N • 31202L • 31202L	▲	▲
L312.3020.02	2	3	0,2	2,7	30	31202N • 31202L • 31202L	▲	▲
L312.3030.02	3	3	0,2	3,7	30	31203N • 31203L • 31203L	▲	▲
L312.3050.02	5	3,5	0,2	5,3	30	31204N • 31204L • 31204L	Δ	

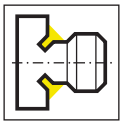
P	•	•
M	o	•
K	o	•
N	-	•
S	-	•
H	-	-

Gorge frontale
Gole assiali

Porte outils
Portainserto
356/357

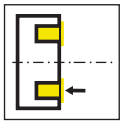


Page/Pag.
586-587



Page/Pag.
588

Plaquette amovible
Inserto
A315



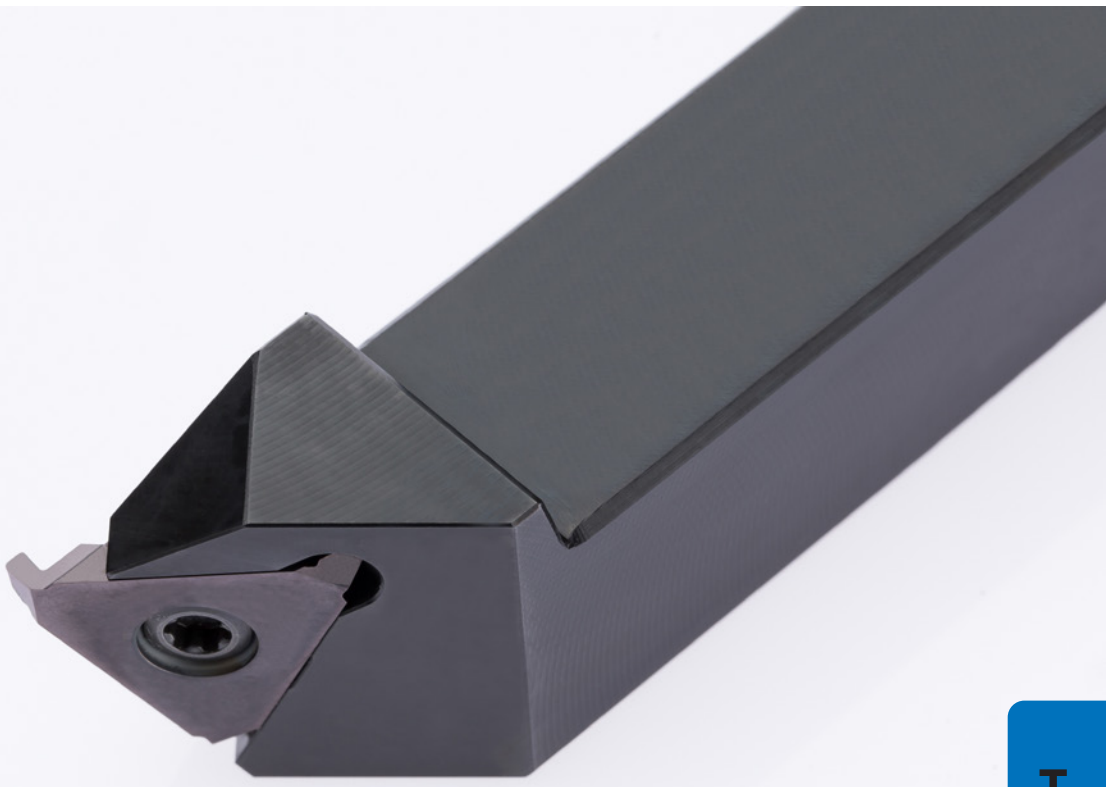
Page/Pag.
589-590

Informations techniques
Informazioni tecniche

Page/Pag.
591

T

A315



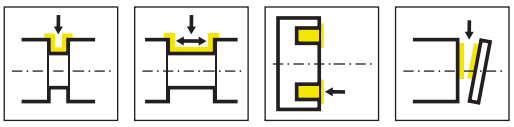
T

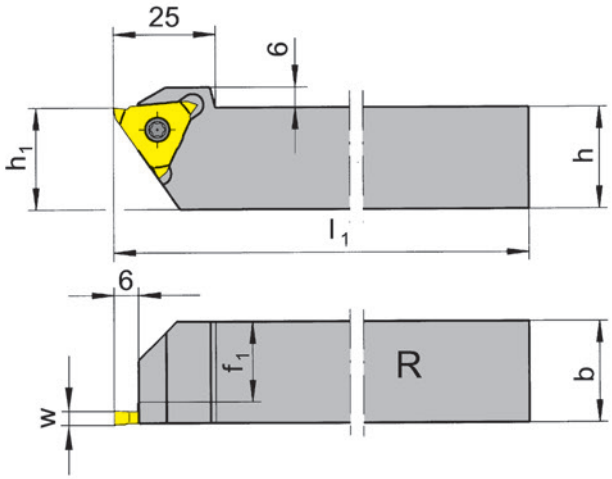
Porte outils et plaquettes

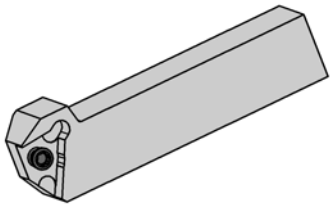
Largeur de gorge 1,5 - 3 mm

Portainserto e inserti

Larghezza della gola 1,5 - 3 mm







R = version à droite représentée
R = versione destra come in figura

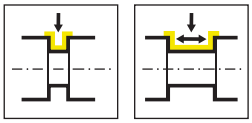
L = version à gauche
L = versione sinistra a specchio

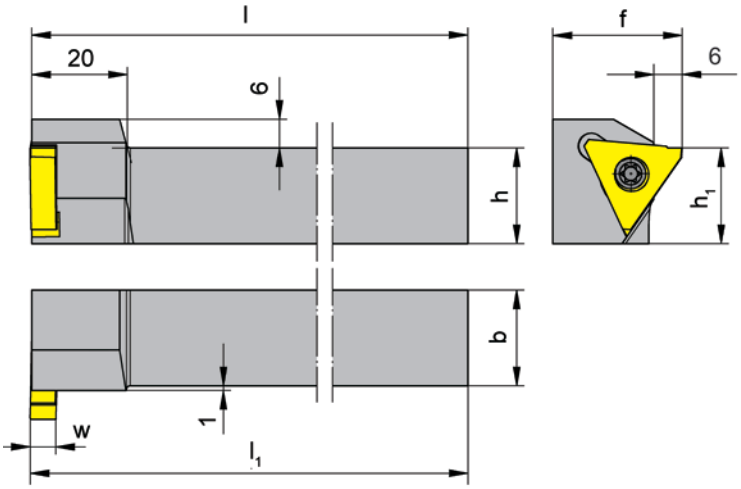
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	HWS
R356.1616.03	16	16	125	20	13	31503R
R356.2020.03	20	20	125	20	17	31503R
R356.2525.03	25	25	150	25	22	31503R
R356.3232.03	32	32	170	32	29	31503R
R356.1616.05	16	16	125	20	10,8	31505R
R356.2020.05	20	20	125	20	14,8	31505R
R356.2525.05	25	25	150	25	19,8	31505R
R356.3232.05	32	32	170	32	26,8	31505R
R356.2525.07	25	25	150	25	18	31507R
R356.2020.07	20	20	125	20	13	31507R
R356.3232.07	32	32	170	32	25	31507R
L356.1616.03	16	16	125	20	13	31503L
L356.2020.03	20	20	125	20	17	31503L
L356.2525.03	25	25	150	25	22	31503L
L356.3232.03	32	32	170	32	29	31503L
L356.1616.05	16	16	125	20	10,8	31505L
L356.2020.05	20	20	125	20	14,8	31505L
L356.2525.05	25	25	150	25	19,8	31505L
L356.3232.05	32	32	170	32	26,8	31505L
L356.2525.07	25	25	150	25	18	31507L
L356.2020.07	20	20	125	20	13	31507L
L356.3232.07	32	32	170	32	25	31507L

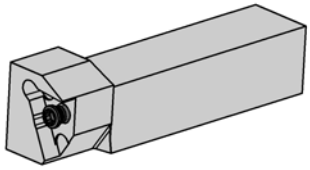
w voir plaquettes amovibles
w vd. inserti

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L356...	**5.12T20P**	**T20PQ**
R/L356...07	**5.15T20P**	**T20PQ**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

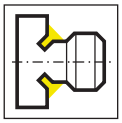
Numéro de commande Codice prodotto	h	b	l_1	l	h_1	f	HWS
R357.2020.05	20	20	125,3	125	20	27	31505L
R357.2525.05	25	25	150,3	150	25	32	31505L
L357.2020.05	20	20	125,3	125	20	27	31505R
L357.2525.05	25	25	150,3	150	25	32	31505R

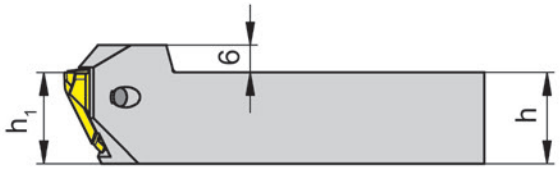
w voir plaquettes amovibles
w vd. inserti

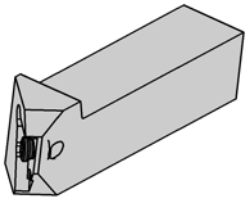
T

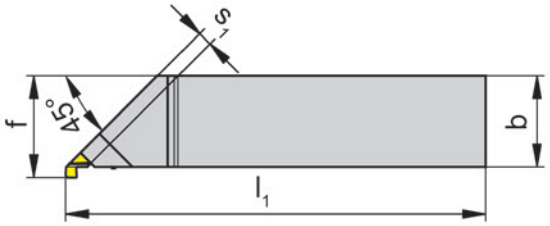
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L357...	**5.12T20P**	**T20PQ**





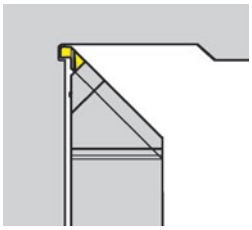




R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	s_1	HWS
R356.1616.45.03	16	16	125	16	18,3	3,25	31503L
R356.2020.45.03	20	20	125	20	22,3	3,25	31503L
R356.2525.45.03	25	25	150	25	27,3	3,25	31503L
L356.1616.45.03	16	16	125	16	18,3	3,25	31503R
L356.2020.45.03	20	20	125	20	22,3	3,25	31503R
L356.2525.45.03	25	25	150	25	27,3	3,25	31503R

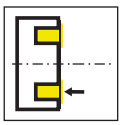


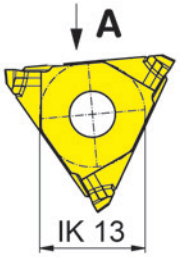
Pièces Détachées
Ricambi

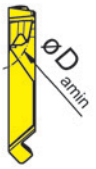
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L356...	**5F.08T20P**	**T20PQ**

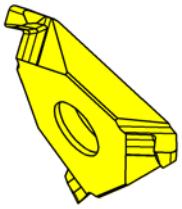
Plaquette amovible
Inserto

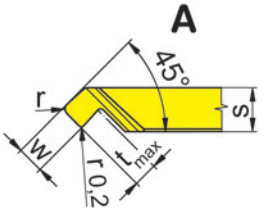
A315











L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

▲ en stock
a stock

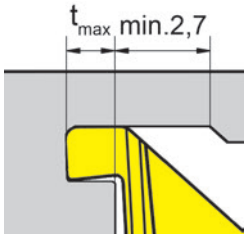
Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	w	r	t_{max}	$D_{a\ min}$	s	HIS	TH35	TN35
RA315.0815.45.04L	1,5	0,4	1,6	8	3,25	31503R	▲	▲
RA315.1220.45.05L	2	0,5	1,8	12	3,25	31503R	▲	▲
RA315.2024.45.06L	2,4	0,6	2	20	3,25	31503R	Δ	▲
LA315.0815.45.04R	1,5	0,4	1,6	8	3,25	31503L	▲	▲
LA315.1220.45.05R	2	0,5	1,8	12	3,25	31503L	▲	▲
LA315.2024.45.06R	2,4	0,6	2	20	3,25	31503L	▲	▲

P	●	●
M	●	●
K	●	●
N	●	●
S	●	●
H	-	-

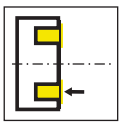
Le dégagement doit être réaliser avant l'usinage axial!
L'apertura radiale deve essere eseguita PRIMA dell'esecuzione della gola assiale.

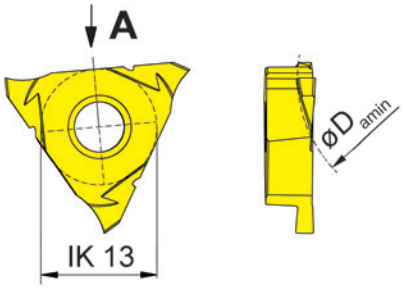


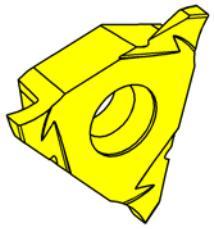
T

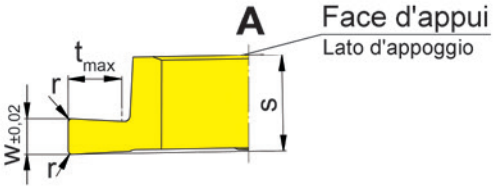
Plaquette amovible
Inserto

A315









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	$D_{a\ min}$	s	HIS	TH35
RA315.2015.02R	1,5	0,2	2	20	5,4	31505R	Δ
RA315.2015.02L	1,5	0,2	2	20	5,4	31505R	▲
RA315.3020.02R	2	0,2	3	30	5,4	31505R	▲
RA315.3020.02L	2	0,2	3	30	5,4	31505R	▲
RA315.3030.02R	3	0,2	3	30	5,4	31505R	Δ
RA315.3030.02L	3	0,2	3	30	5,4	31505R	▲
LA315.2015.02R	1,5	0,2	2	20	5,4	31505L	▲
LA315.2015.02L	1,5	0,2	2	20	5,4	31505L	Δ
LA315.3020.02R	2	0,2	3	30	5,4	31505L	▲
LA315.3020.02L	2	0,2	3	30	5,4	31505L	Δ
LA315.3030.02R	3	0,2	3	30	5,4	31505L	▲
LA315.3030.02L	3	0,2	3	30	5,4	31505L	Δ

P	●
M	●
K	●
N	●
S	●
H	-

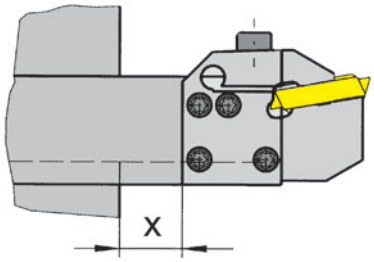
T

Choix des cassettes
Choisir la cassette en fonction du diamètre extérieur de la gorge frontale à réaliser.

Selezione cartuccia
Selezionare la cartuccia che si adatta al diametro più grande della gola assiale da eseguire

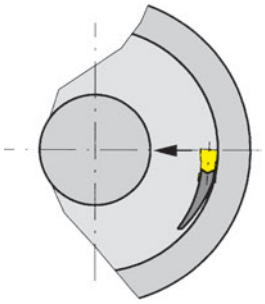
Stabilité
Pour obtenir une bonne stabilité, le porte outils doit être positionné avec une porte-à-faux minimum.

Posizionamento stabile
L'utensile deve essere fissato in modo da avere il minor sbraccio possibile, e per conseguenza la maggiore stabilità.



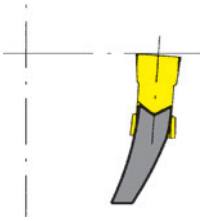
Procédure d'usinage
Pour élargir une gorge frontale, il convient toujours de charioter du Ø le plus grand vers le plus petits.

Modo di lavorazione
Quando si desidera tornire in modo da allargare la gola siconsiglia di tornire dal diametro maggiore verso quello inferiore.



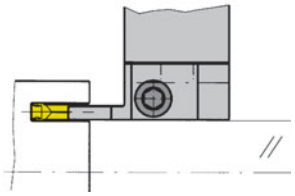
Positionnement
L'arête de coupe doit être correctement positionnée dans l'axe de la pièce et parfaitement au centre.

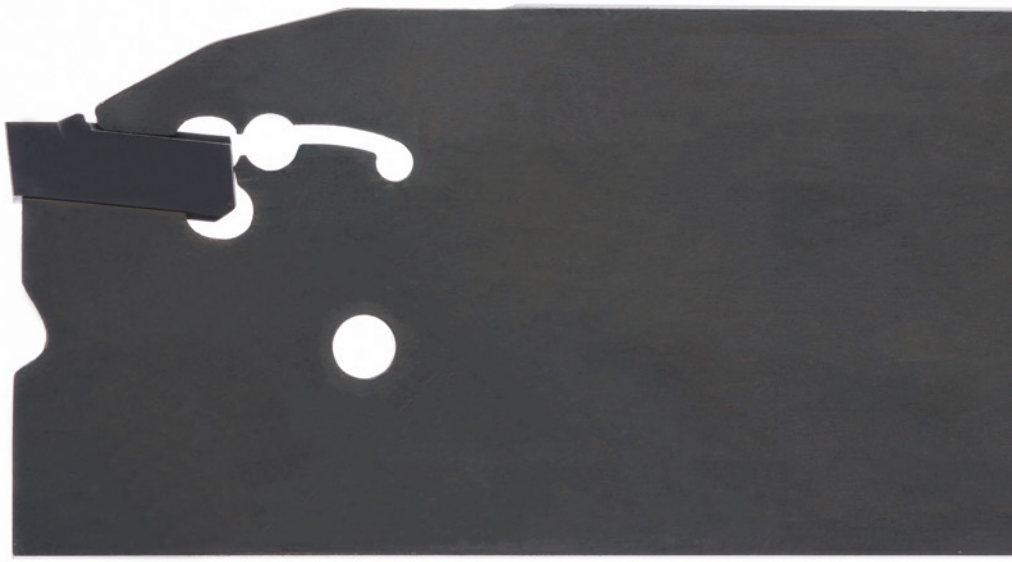
Posizionamento dell'utensile
L'utensile deve essere posizionato in modo che il tagliente sia il più esattamente possibile sull'asse della mezzeria del pezzo. Questo è importante affinchè gli angoli di taglio siano corretti.



Le porte outils doit être parfaitement parallèle à l'axe de rotation de la pièce.

L'utensile deve essere posizionato in modo da essere parallelo all'asse del pezzo.

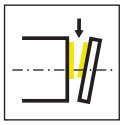




U

Système/Sistema	Page/Pag.
100	**594**
223	**624**
S224	**630**
229	**648**
264	**658**
274	**668**
312	**684**
316	**696**

Porte outils
Portainserto
H100



Page/Pag.
596-613

Plaquette de coupe
Inserto
S100

.E

Page/Pag.
614

.EH

Page/Pag.
615

.F

Page/Pag.
616

.FY

Page/Pag.
617

.N

Page/Pag.
618

.WA

Page/Pag.
619

.3V

Page/Pag.
620, 622

.EN

Page/Pag.
621, 623

Informations technique
Informazioni tecniche

Page/Pag.
701

U

100



U

Porte outils et plaquettes

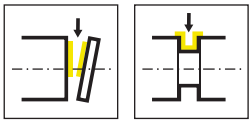
Profondeur de gorge 2 - 6 mm
Profondeur de gorge jusqu'à 55 mm

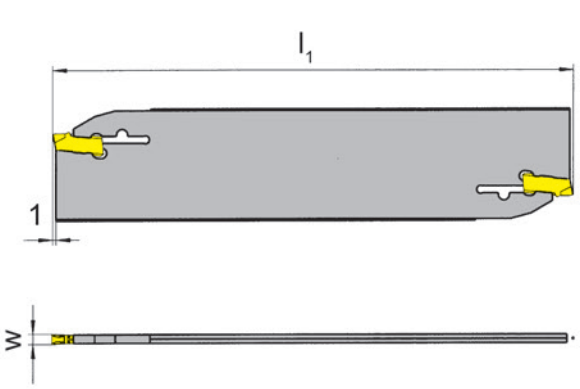
Portainserto e inserti

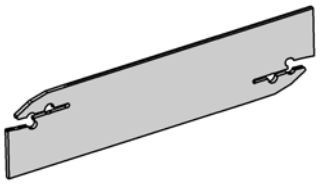
Profondità della gola 2 - 6 mm
Profondità della gola fino a 55 mm

Porte outils
Portainserto

H100







Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	HWS
H100.2601.01	26	1,5	110	21,4	0,75	25	100018
H100.2602.02	26	1,9	110	21,4	0,95	37,5	100028
H100.2603.03	26	2,3	110	21,4	1,15	37,5	100038
H100.2604.04	26	3,1	110	21,8	1,65	40	100048
H100.3201.01	32	1,5	150	24,8	0,75	25	100018
H100.3202.02	32	1,9	150	24,8	0,95	50	100028
H100.3203.03	32	2,3	150	24,8	1,15	50	100038
H100.3204.04	32	3,1	160	24,8	1,65	55	100048
H100.3205.05	32	3,9	160	24,8	2	55	100058

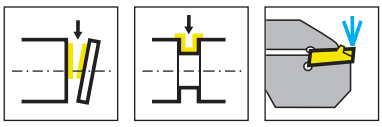
w voir plaquettes
w vd. inserti

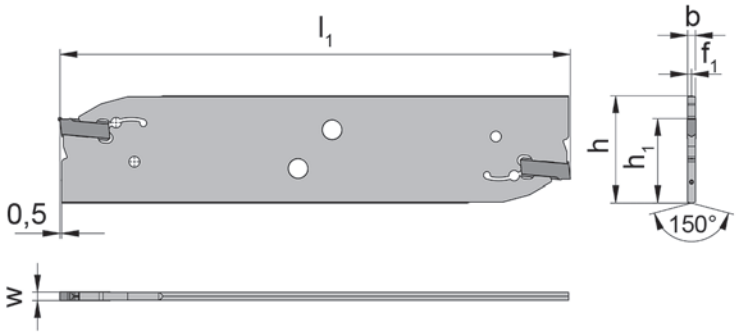
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

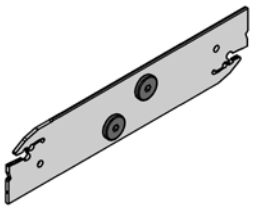
U

Porte outils
Portainserto

H100







Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	HWS
H100.2602.8.02.IK	26	1,9	110	21,4	0,95	35	100029 • 100028
H100.2603.8.03.IK	26	2,3	110	21,4	1,15	35	100039 • 100038
H100.2604.8.04.IK	26	3,1	110	21,4	1,55	35	100049 • 100048
H100.3202.8.02.IK	32	1,9	150	24,8	0,95	55	100029 • 100028
H100.3203.8.03.IK	32	2,3	150	24,8	1,15	60	100039 • 100038
H100.3204.8.04.IK	32	3,1	150	24,8	1,55	60	100049 • 100048

w voir plaquettes
w vd. inserti

La clé **P101.02** n'est pas fournie avec le fraise - à cder séparément!
La chiave P101.02 non viene fornita con fresa - bisogna ordinarla separatamente!

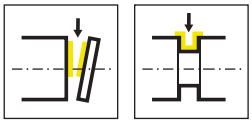
U

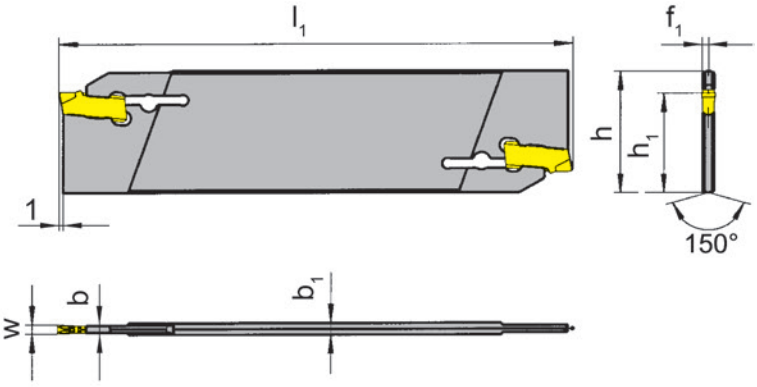
Pièces Détachées
Ricambi

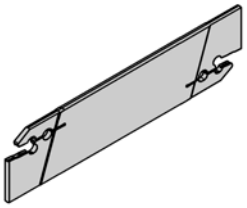
Porte outils Portainserto	**Bouchon de réfrigérant** Tappo del refrigerante
H100...	**020.IK01.5732**

Porte outils
Portainserto

H100







Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	b_1	HWS
H100.2603.01	26	1,5	110	21,4	1,15	21	2,3	100018
H100.2603.02	26	1,9	110	21,4	1,15	21	2,3	100028
H100.3203.01	32	1,5	150	24,8	1,15	25	2,3	100018
H100.3203.02	32	1,9	150	24,8	1,15	25	2,3	100028

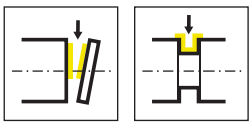
w voir plaquettes
w vd. inserti

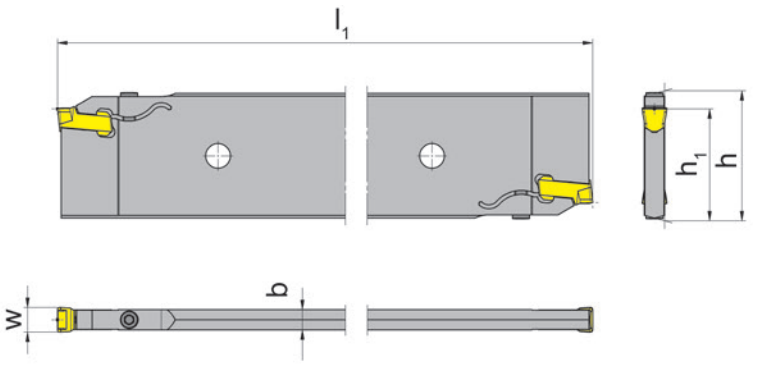
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

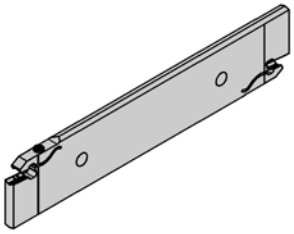
U

Porte outils
Portainserto

H100







Numéro de commande Codice prodotto	h	b	l_1	h_1	HWS
H100.5208.26.08	52,6	7,4	260	45	100088
H100.5210.26.10	52,6	8,2	260	45	100108
H100.5212.26.12	52,6	10,4	260	45	100128

w voir plaquettes
w vd. inserti

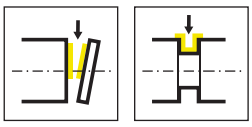
U

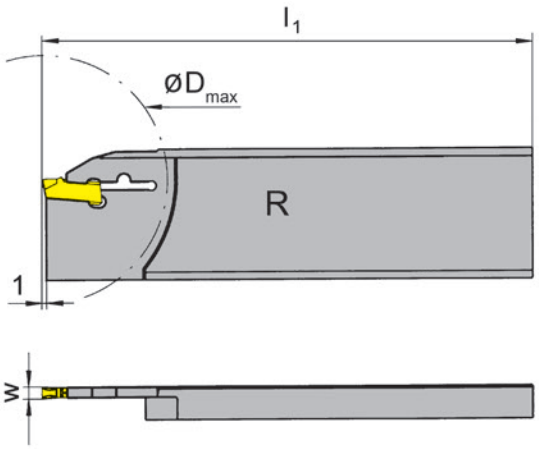
Pièces Détachées
Ricambi

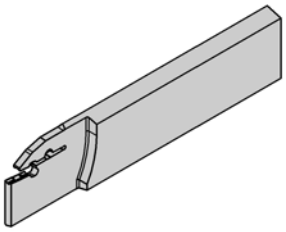
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
H100...	**5.13T20P**	**T20PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.2608.31	26	7,9	110	21,4	0,75	21	42	100018
RH100.2608.32	26	7,9	110	21,4	0,95	25	50	100028
RH100.2608.33	26	7,9	110	21,4	1,15	25	50	100038
RH100.3208.31	32	7,9	112	24,8	0,75	25	50	100018
RH100.3208.32	32	7,9	112	24,8	0,95	34	68	100028
RH100.3208.33	32	7,9	112	24,8	1,15	34	68	100038
RH100.3208.34	32	7,9	112	24,8	1,55	34	68	100048
LH100.2608.31	26	7,9	110	21,4	0,75	21	42	100018
LH100.2608.32	26	7,9	110	21,4	0,95	25	50	100028
LH100.2608.33	26	7,9	110	21,4	1,15	25	50	100038
LH100.2608.34	26	7,9	110	21,4	1,55	25	50	100048
LH100.3208.31	32	7,9	112	24,8	0,75	25	50	100018
LH100.3208.32	32	7,9	112	24,8	0,95	34	68	100028
LH100.3208.33	32	7,9	112	24,8	1,15	34	68	100038
LH100.3208.34	32	7,9	112	24,8	1,55	34	68	100048

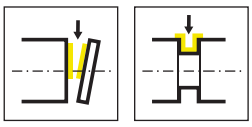
w voir plaquettes
w vd. inserti

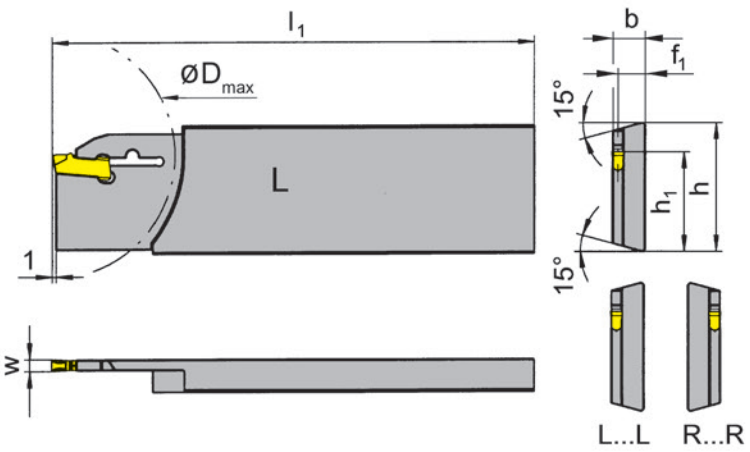
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

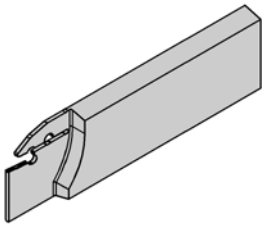
U

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

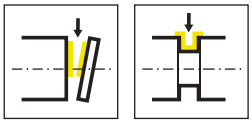
R = version à droite
R = versione destra a specchio

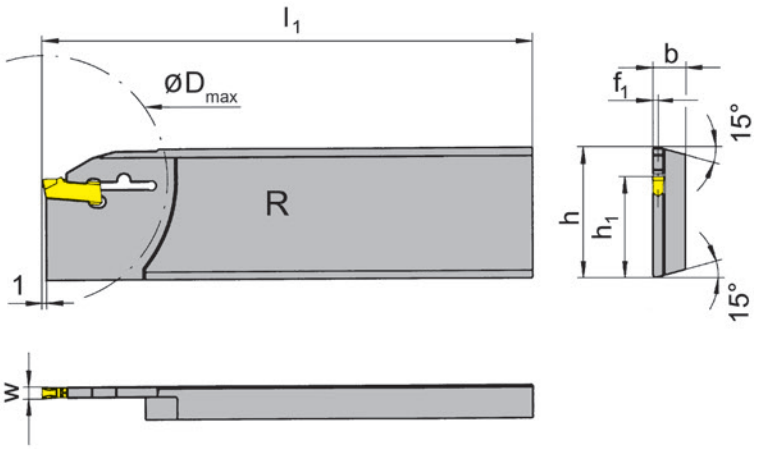
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.2608.31R	26	7,9	110	21,4	7,15	21	42	100018
RH100.2608.32R	26	7,9	110	21,4	6,95	25	50	100028
RH100.2608.33R	26	7,9	110	21,4	6,75	25	50	100038
RH100.2608.34R	26	7,9	110	21,4	6,35	25	50	100048
RH100.3208.31R	32	7,9	112	24,8	7,15	25	50	100018
RH100.3208.32R	32	7,9	112	24,8	6,95	34	68	100028
RH100.3208.33R	32	7,9	112	24,8	6,75	34	68	100038
RH100.3208.34R	32	7,9	112	24,8	6,35	34	68	100048
LH100.2608.31L	26	7,9	110	21,4	7,15	21	42	100018
LH100.2608.32L	26	7,9	110	21,4	6,95	25	50	100028
LH100.2608.33L	26	7,9	110	21,4	6,75	25	50	100038
LH100.2608.34L	26	7,9	110	21,4	6,35	25	50	100048
LH100.3208.31L	32	7,9	112	24,8	7,15	25	50	100018
LH100.3208.32L	32	7,9	112	24,8	6,95	34	68	100028
LH100.3208.33L	32	7,9	112	24,8	6,75	34	68	100038
LH100.3208.34L	32	7,9	112	24,8	6,35	34	68	100048

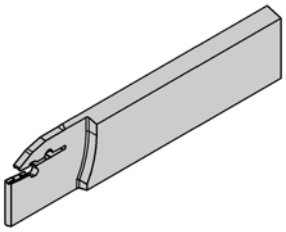
w voir plaquettes
w vd. inserti

La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

U







R = version à droite
R = versione destra

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.3208.2.44	32	7,9	160	24,8	1,55	41	80	100048
RH100.3208.44	32	7,9	130	24,8	1,55	41	80	100048

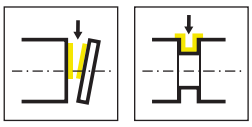
w voir plaquettes
w vd. inserti

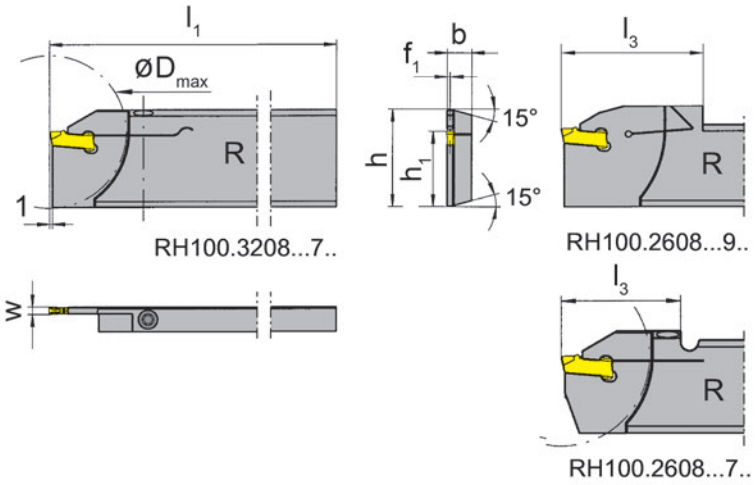
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

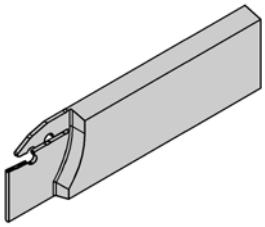
U

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	HWS
RH100.2608.71	26	7,9	110	21,4	0,75	33,8	25	50	100018
RH100.2608.72	26	7,9	110	21,4	0,95	33,8	25	50	100028
RH100.2608.93	26	8	112	21,4	1,15	40	25	50	100038
RH100.3208.71	32	7,9	112	24,8	0,75	33,8	25	50	100018
RH100.3208.72	32	7,9	112	24,8	0,95	33,8	25	50	100028
RH100.3208.93	32	8	112	24,8	1,15	40	32,5	65	100038
LH100.2608.71	26	7,9	110	21,4	0,75	33,8	25	50	100018
LH100.2608.72	26	7,9	110	21,4	0,95	33,8	25	50	100028
LH100.2608.93	26	8	112	21,4	1,15	40	25	50	100038
LH100.3208.71	32	7,9	112	24,8	0,75	33,8	25	50	100018
LH100.3208.72	32	7,9	112	24,8	0,95	33,8	25	50	100028
LH100.3208.93	32	8	112	24,8	1,15	40	32,5	65	100038

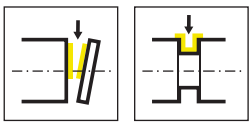
w voir plaquettes
w vd. inserti

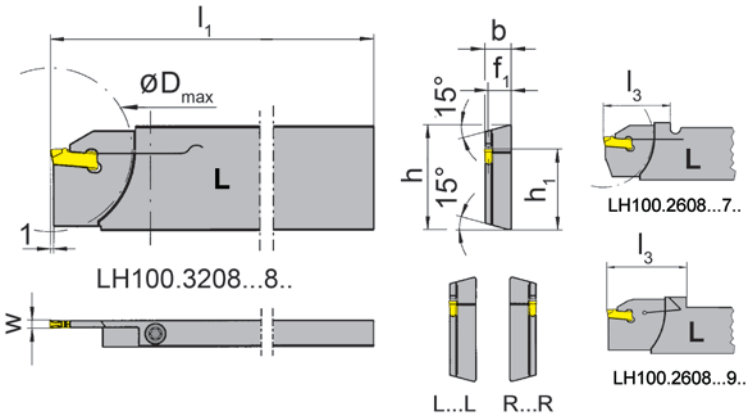
Pièces Détachées
Ricambi

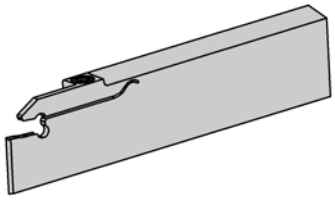
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**4.15T15P**	**T15PQ**
R/LH100...93	**030.0413.T15P**	**T15PQ**

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	HWS
RH100.2608.71R	26	7,9	110	21,4	7,15	33,8	25	50	100018
RH100.2608.72R	26	7,9	110	21,4	6,95	33,8	25	50	100028
RH100.2608.93R	26	8	115	21,4	6,85	40	25	50	100038
RH100.3208.71R	32	7,9	112	24,8	7,15	33,8	25	50	100018
RH100.3208.72R	32	7,9	112	24,8	6,95	33,8	25	50	100028
RH100.3208.93R	32	8	115	24,8	6,85	42	32,5	65	100038
LH100.2608.71L	26	7,9	110	21,4	7,15	33,8	25	50	100018
LH100.2608.72L	26	7,9	110	21,4	6,95	33,8	25	50	100028
LH100.2608.93L	26	8	115	21,4	6,85	40	25	50	100038
LH100.3208.71L	32	7,9	112	24,8	7,15	33,8	25	50	100018
LH100.3208.72L	32	7,9	112	24,8	6,95	33,8	25	50	100028
LH100.3208.93L	32	8	115	24,8	6,85	42	32,5	65	100038

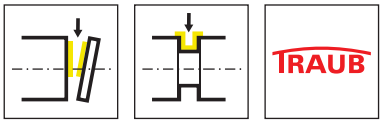
w voir plaquettes
w vd. inserti

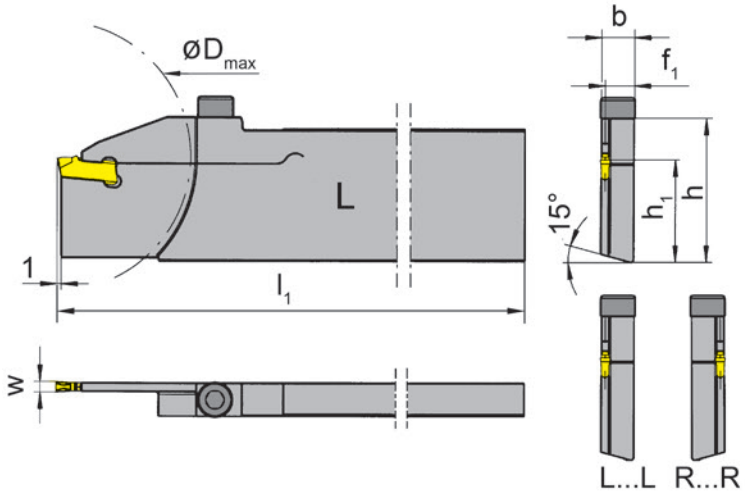
Pièces Détachées
Ricambi

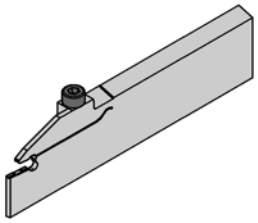
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**4.15T15P**	**T15PQ**
R/LH100...93R/L	**030.0413.T15P**	**T15PQ**

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	D_{max}	HWS
RH100.3280.73R	32	7,9	130	24,8	6,75	32,5	65	100038
RH100.3280.74R	32	7,9	130	24,8	6,35	32,5	65	100048
LH100.3280.73L	32	7,9	130	24,8	6,75	32,5	65	100038
LH100.3280.74L	32	7,9	130	24,8	6,35	32,5	65	100048

pour machines TRAUB (TNX65)
per macchina utensile TRAUB (TNX65)

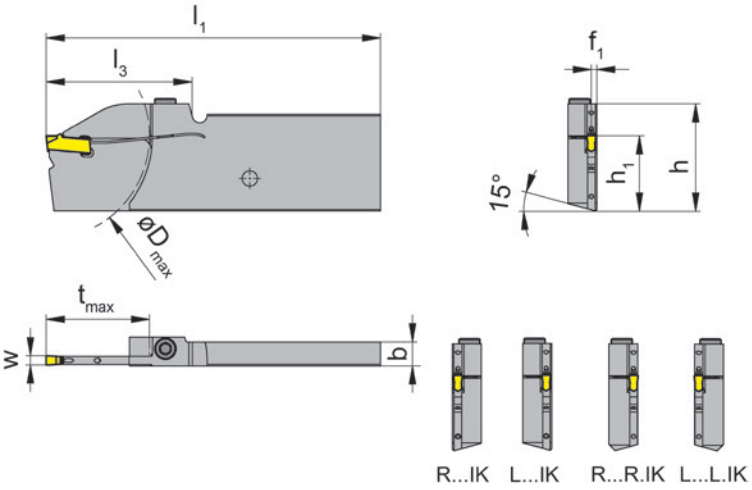
w voir plaquettes
w vd. inserti

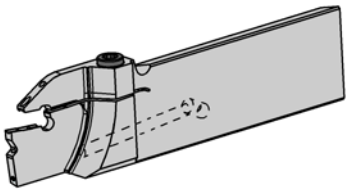
U

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	HWS
RH100.2608.26.4.73.IK	26	7,9	110	21,4	1,8	40	25	50	100038
RH100.2608.26.4.73R.IK	26	7,9	110	21,4	6,55	40	25	50	100038
RH100.3208.34.4.73.IK	32	7,9	110	24,8	1,8	48	34	68	100038
RH100.3208.34.4.73R.IK	32	7,9	110	24,8	6,55	48	34	68	100038
LH100.2608.26.4.73.IK	26	7,9	110	21,4	1,8	40	25	50	100038
LH100.2608.26.4.73L.IK	26	7,9	110	21,4	6,55	40	25	50	100038
LH100.3208.34.4.73.IK	32	7,9	110	24,8	1,8	48	34	68	100038
LH100.3208.34.4.73L.IK	32	7,9	110	24,8	6,55	48	34	68	100038

pour machines TRAUB et INDEX
per macchina TRAUB e INDEX

w voir plaquettes
w vd. inserti

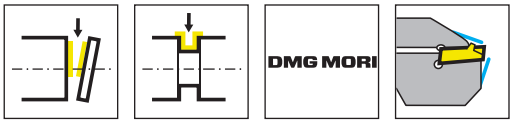
U

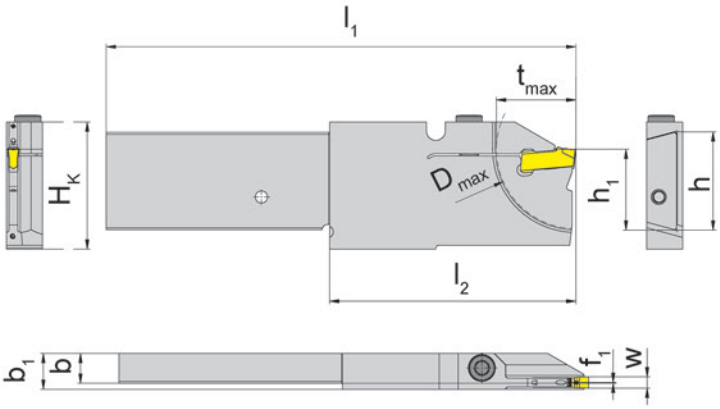
Pièces Détachées
Ricambi

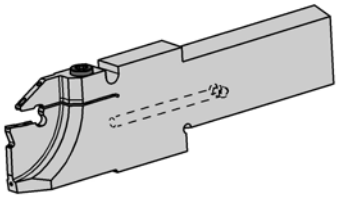
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100...	**5.13T20P**	**T20PQ**

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	H_K	h	b	l_1	h_1	f_1	t_{max}	l_2	D_{max}	b_1	HWS
RH100.2608.2.16.4.72.IK	33,6	26	7,9	124	21,4	0,2	16	65	32	9,5	100028
RH100.2608.2.16.4.72R.IK	33,6	26	7,9	124	21,4	6,4	16	65	32	9,5	100028
RH100.2608.2.21.4.73.IK	33,6	26	7,9	124	21,4	0,2	21	65	42	9,5	100038
RH100.2608.2.21.4.73R.IK	33,6	26	7,9	124	21,4	6,4	21	65	42	9,5	100038

pour machines DMG MORI (Multisprint)
per macchina DMG MORI (Multisprint)

w voir plaquettes
w vd. inserti

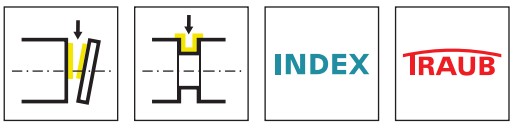
U

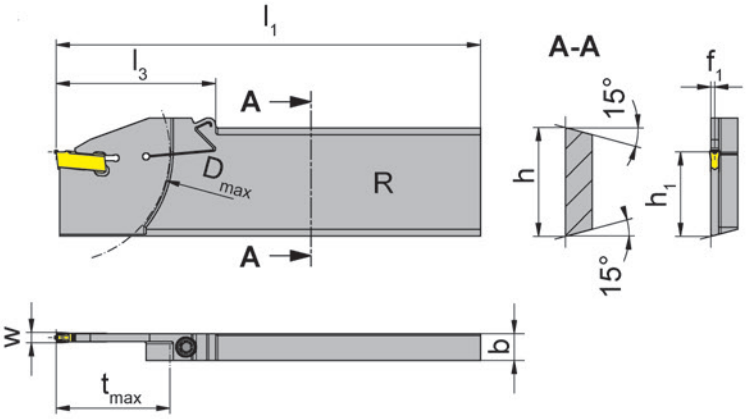
Pièces Détachées
Ricambi

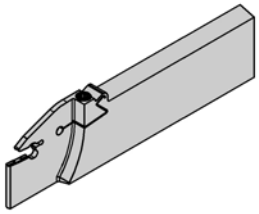
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RH100...	**5.13T20P**	**T20PQ**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	Type de machine Tipo macchina	HWS
RH100.3208.83	32	8	125	24,8	1,15	47	33,5	65	TraubTNX65/42, IndexC65	100038
LH100.3208.15.83	32	8	150	24,8	1,15	47	33,5	65	TraubTNX65/42, IndexC65	100038
LH100.3208.83	32	8	125	24,8	1,15	47	33,5	65	TraubTNX65/42, IndexC65	100038
LH100.3208.84	32	8	125	24,8	1,5	47	33,5	65	TraubTNX65/42, IndexC65	100048

pour machines TRAUB et INDEX
per macchina TRAUB e INDEX

w voir plaquettes
w vd. inserti

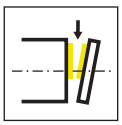
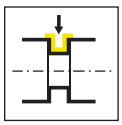
U

Pièces Détachées
Ricambi

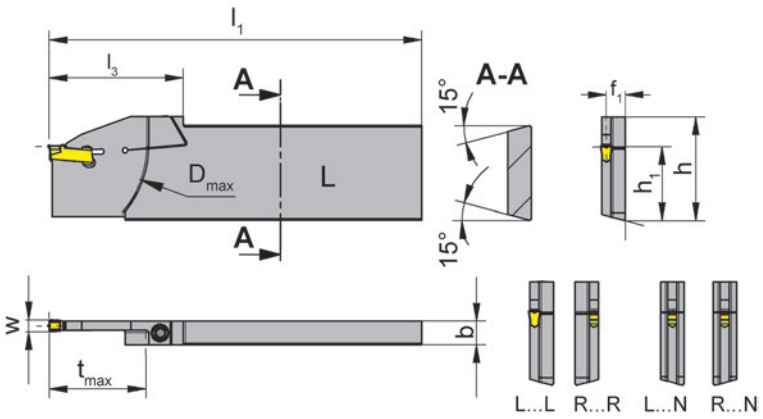
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LH100.3208...	**030.505P.0718**	**T15PQ**
R/LH100.3208.83	**030.505P.0718**	**T15PQ**

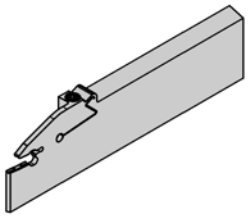
Porte outils
Portainserto

H100





L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	l_3	t_{max}	D_{max}	Type de machine Tipo macchina	HWS
RH100.3208.83R	32	8	125	24,8	6,85	47	33,5	65	TraubTNX65/42, IndexC65	100038
RH100.3208.84N	32	8	134	24,8	4	54,5	41	80	TraubTNX80/65	100048
RH100.3208.84R	32	8	125	24,8	6,5	47	33,5	65	TraubTNX65/42, IndexC65	100048
LH100.3208.83L	32	8	125	24,8	6,85	47	33,5	65	TraubTNX65/42, IndexC65	100038
LH100.3208.83N	32	8	125	24,8	4	47	33,5	65	TraubTNX65/42, IndexC65	100038
LH100.3208.84L	32	8	125	24,8	6,5	47	33,5	65	TraubTNX65/42, IndexC65	100048
LH100.3208.84N	32	8	134	24,8	4	54,5	41	80	TraubTNX80/65	100048

pour machines TRAUB et INDEX
per macchina TRAUB e INDEX

w voir plaquettes
w vd. inserti

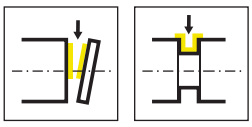
U

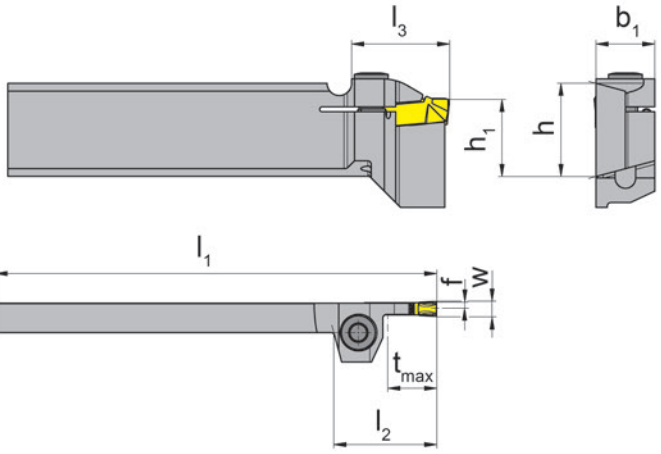
Pièces Détachées
Ricambi

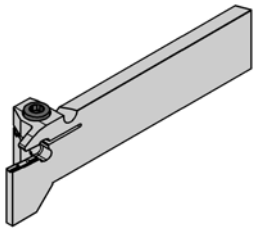
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH100.3208....	**030.505P.0718**	**T15PQ**

Porte outils
Portainserto

H100







L = version à gauche représentée
L = versione sinistra come in figura

Numéro de commande Codice prodotto	h	b	l_1	h_1	l_2	f	l_3	t_{max}	b_1	HWS
LH100.1908.R.13	19	8	90	15,7	16	1,15	20	10	12	100038
LH100.3208.R.13	32	8	110	24,8	16	1,15	20	10	12	100038

pour machines REIKA
per macchina REIKA

w voir plaquettes
w vd. inserti

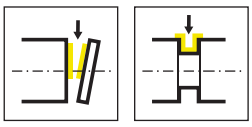
U

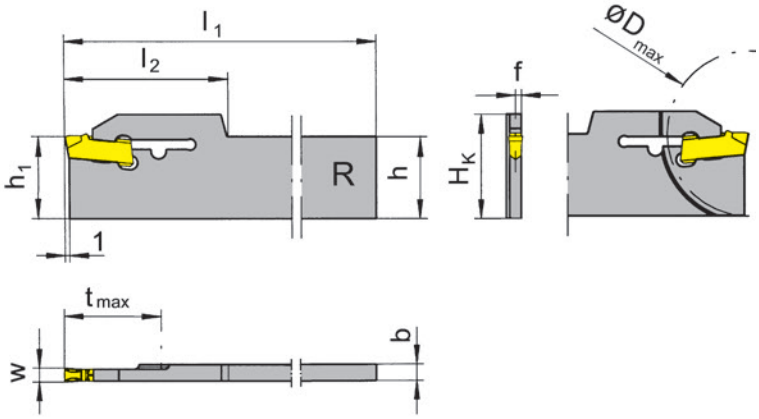
Pièces Détachées
Ricambi

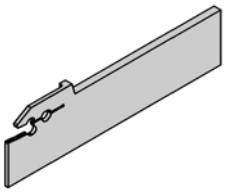
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LH100.1908.R.13	**5.17T20P**	**T20PW**
LH100.3208.R.13	**5.17T20P**	**T20PQ**

Porte outils
Portainserto

H100







R = version à droite
R = versione destra

Numéro de commande Codice prodotto	H_K	b	l_1	h_1	f	l_2	t_{max}	D_{max}	h	HWS
RH100.1703.21	22,1	3,2	110	17,4	0,75	32	17,5	35	17,4	100018
RH100.1703.33	22,1	3,2	110	17,4	1,15	34,5	30	60	17,4	100038
RH100.2203.21	26,9	3,2	150	22,2	0,75	32	32	50	22,1	100018
RH100.2203.33	26,9	3,2	150	22,2	1,15	34,5	38	76	22,1	100038

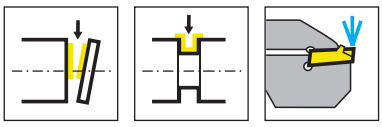
w voir plaquettes
w vd. inserti

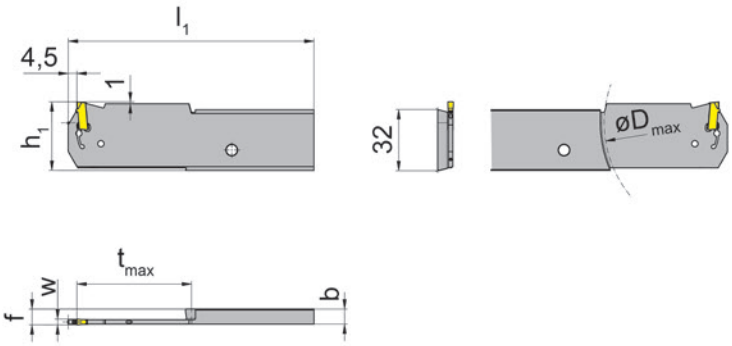
La clé **P39L** n'est pas fournie avec la lame R/LH100...33 - à cder séparément!
La chiave P39L non viene fornita con la lama R/LH100...33 - bisogna ordinarla separatamente!

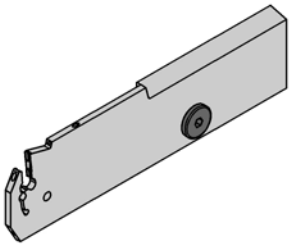
U

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH100.3208.Y.60.3.83.IK	7,9	128,5	36	8,25	60	120	100039 • 100038
RH100.3208.Y.60.3.84.IK	7,9	128,5	36	8,25	60	120	100049 • 100048
LH100.3208.Y.60.3.83.IK	7,9	128,5	36	8,25	60	120	100039 • 100038
LH100.3208.Y.60.3.84.IK	7,9	128,5	36	8,25	60	120	100049 • 100048

w voir plaquettes
w vd. inserti

La clé **P101.02** n'est pas fournie avec le fraise - à cder séparément!
La chiave P101.02 non viene fornita con fresa - bisogna ordinarla separatamente!

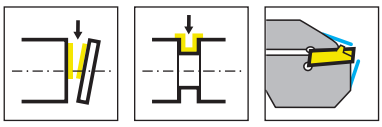
U

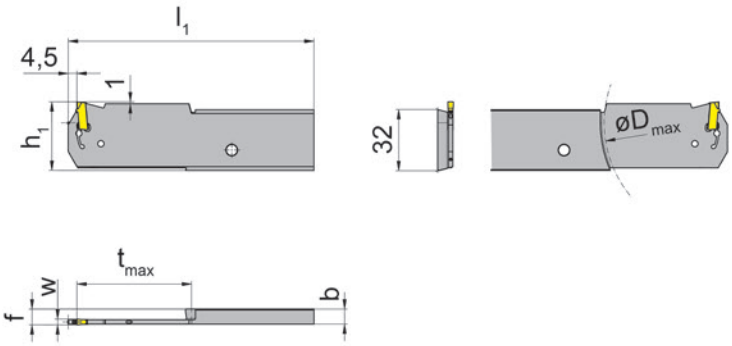
Pièces Détachées
Ricambi

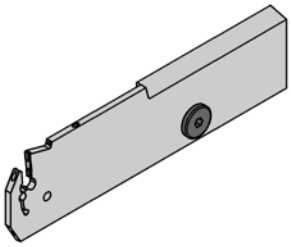
Porte outils Portainserto	**Bouchon de réfrigérant** Tappo del refrigerante
R/LH100...	**020.IK01.5732**

Porte outils
Portainserto

H100







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH100.3208.Y.60.4.83.IK	7,9	128,5	36	8,25	60	120	100038
RH100.3208.Y.60.4.84.IK	7,9	128,5	36	8,25	60	120	100048
LH100.3208.Y.60.4.83.IK	7,9	128,5	36	8,25	60	120	100038
LH100.3208.Y.60.4.84.IK	7,9	128,5	36	8,25	60	120	100048

w voir plaquettes
w vd. inserti

La clé **P101.02** n'est pas fournie avec le fraise - à cder séparément!
La chiave P101.02 non viene fornita con fresa - bisogna ordinarla separatamente!

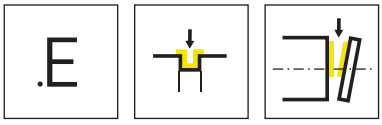
U

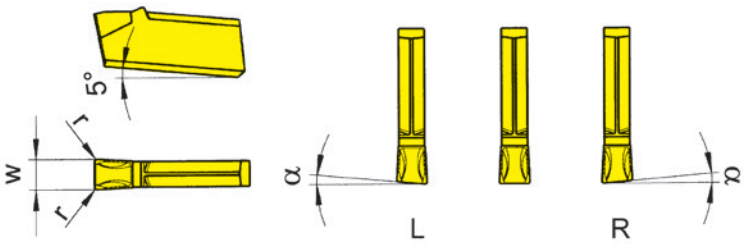
Pièces Détachées
Ricambi

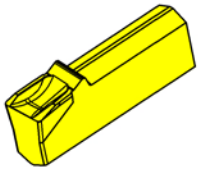
Porte outils Portainserto	**Bouchon de réfrigérant** Tappo del refrigerante
R/LH100...	**020.IK01.5732**

Plaquette de coupe
Inserto

S100







R = version à droite
R = versione destra

L = version à gauche
L = versione sinistra

Nuance
Leghe

▲ en stock
a stock

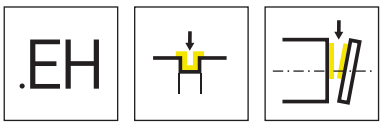
Δ 4 semaines
4 settimane

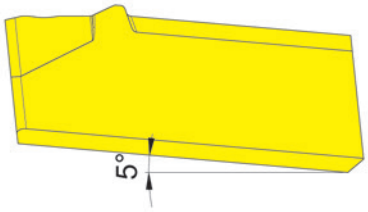
Numéro de commande Codice prodotto	w	r	α	HIS		ALX3	AS63	AS66	TF42	TF43	TF45	TF46
RS100.0520.E2	2	0,2	5°	100018						▲	▲	Δ
RS100.0525.E2	2,5	0,2	5°	100028						▲	▲	Δ
RS100.0530.E2	3	0,2	5°	100038		▲			▲	▲	▲	▲
RS100.0540.E2	4	0,2	5°	100048		Δ				▲	▲	
LS100.0520.E2	2	0,2	5°	100018						Δ	▲	Δ
LS100.0525.E2	2,5	0,2	5°	100028						Δ	Δ	Δ
LS100.0530.E2	3	0,2	5°	100038		▲			Δ	▲	▲	▲
LS100.0540.E2	4	0,2	5°	100048		Δ				▲	▲	Δ
S100.0200.E2	2	0,2	0°	100018		▲				▲	▲	▲
S100.0250.E2	2,5	0,2	0°	100028						▲	▲	▲
S100.0300.E2	3	0,2	0°	100038		▲	▲	▲	▲	▲	▲	▲
S100.0400.E3	4	0,3	0°	100048		▲				▲	▲	▲
S100.0500.E3	5	0,3	0°	100058				Δ		▲	▲	▲
					P	●	●	●	●	●	●	●
					M	-	-	o	-	-	●	o
					K	-	-	●	-	-	●	●
					N	-	-	●	-	-	●	●
					S	-	-	o	-	-	●	o
					H	-	-	-	-	-	-	-

U

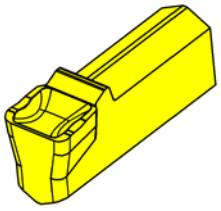
Plaquette de coupe
Inserto

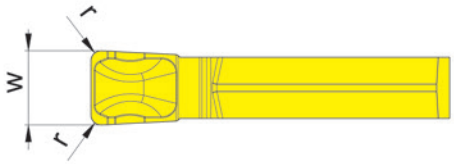
S100











Nuance
Leghe

▲ en stock
a stock

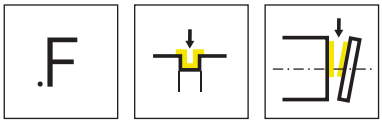
Δ 4 semaines
4 settimane

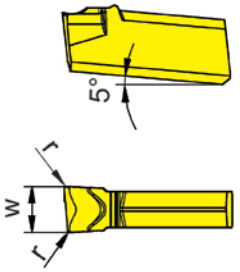
Numéro de commande Codice prodotto	w	r	HIS		IG69I
S100.0300.EH4	3	0,4	100038		▲
S100.0400.EH6	4	0,6	100048		▲
				P	●
				M	o
				K	o
				N	-
				S	-
				H	-

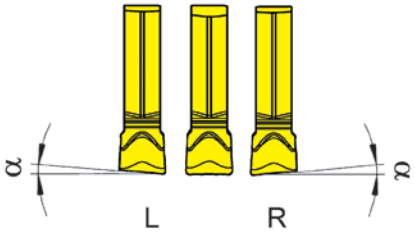
U

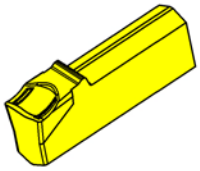
Plaquette de coupe
Inserto

S100









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

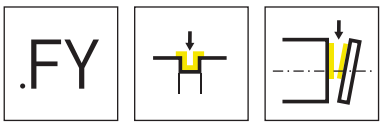
Δ 4 semaines
4 settimane

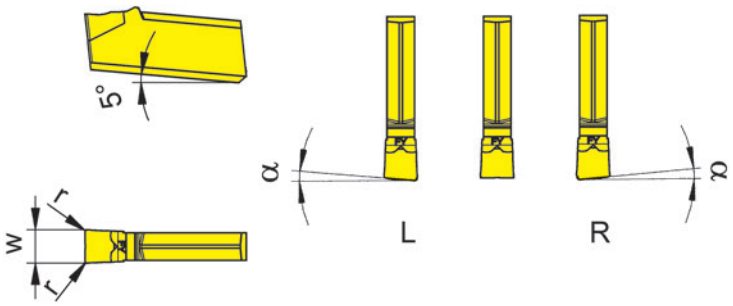
Numéro de commande Codice prodotto	w	r	α	HIS	Nuance Leghe TF43	TF45	TF46
RS100.0520.F2	2	0,2	5°	100018	Δ	▲	
RS100.0525.F2	2,5	0,2	5°	100028	Δ	▲	Δ
RS100.0530.F2	3	0,2	5°	100038	▲	▲	▲
LS100.0520.F2	2	0,2	5°	100018	Δ		
LS100.0530.F2	3	0,2	5°	100038		▲	
S100.0200.F2	2	0,2	-	100018	▲	▲	▲
S100.0300.F2	3	0,2	0°	100038	▲	▲	▲
S100.0400.F3	4	0,3	0°	100048	▲	▲	▲
S100.0500.F3	5	0,3	0°	100058	Δ	▲	Δ
					P ●	●	●
					M -	●	o
					K -	●	●
					N -	●	●
					S -	●	o
					H -	-	-

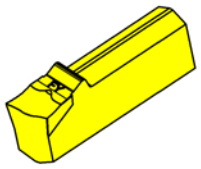
U

Plaquette de coupe
Inserto

S100







R = version à droite
R = versione destra

L = version à gauche
L = versione sinistra

Nuance
Leghe

▲ en stock
a stock

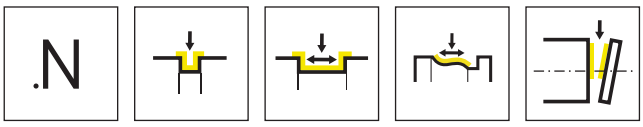
Δ 4 semaines
4 settimane

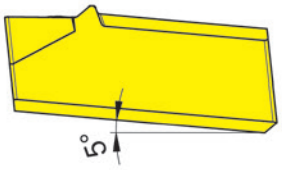
Numéro de commande Codice prodotto	w	r	α	HIS	AS45	HP65	IG35	TI25
RS100.1520.FY0	2	0	15°	100018	▲		▲	
RS100.1530.FY0	3	-	15°	100038	▲		▲	
LS100.1520.FY0	2	0	15°	100018	▲		▲	
LS100.1530.FY0	3	-	15°	100038	▲		▲	
S100.0200.FY2	2	0,2	0°	100018	Δ	▲	▲	▲
S100.0220.FY2	2,2	0,2	0°	100018			▲	▲
S100.0250.FY2	2,5	0,2	0°	100028	Δ	▲	▲	▲
S100.0300.FY2	3	0,2	0°	100038	Δ	▲	▲	▲
S100.0400.FY3	4	0,3	0°	100048		▲	▲	▲
P					●	●	-	●
M					●	●	●	●
K					●	●	-	●
N					o	o	-	●
S					●	●	●	●
H					-	-	-	-

U

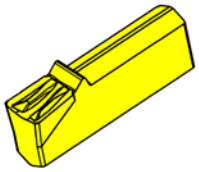
Plaquette de coupe
Inserto

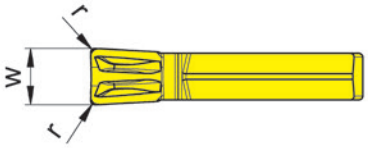
S100











Nuance
Leghe

▲ en stock
a stock

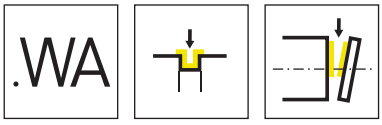
Δ 4 semaines
4 settimane

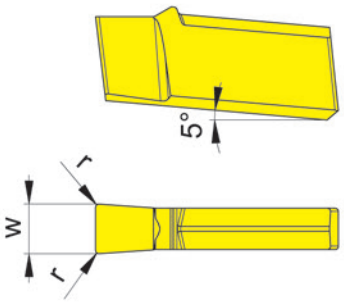
Numéro de commande Codice prodotto	w	r	HIS		AS45	HP65
S100.0300.N2	3	0,2	100038		▲	▲
S100.0400.N3	4	0,3	100048		▲	▲
				P	●	●
				M	●	●
				K	●	●
				N	o	o
				S	●	●
				H	-	-

U

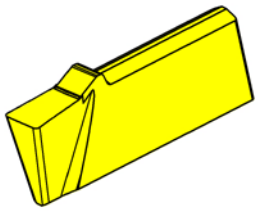
Plaquette de coupe
Inserto

S100









Nuance
Leghe

▲ en stock
a stock

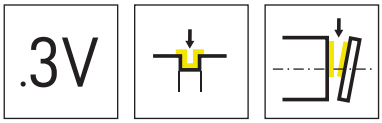
Δ 4 semaines
4 settimane

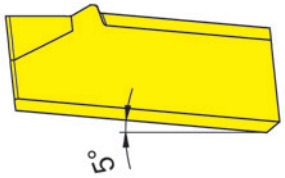
Numéro de commande Codice prodotto	w	r	HIS		K10	DD26
S100.0200.WA2	2	0,2	100018		▲	▲
S100.0300.WA2	3	0,2	100038		▲	▲
				P	●	-
				M	o	-
				K	●	-
				N	●	●
				S	o	o
				H	-	-

U

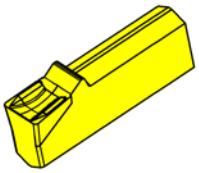
Plaquette de coupe
Inserto

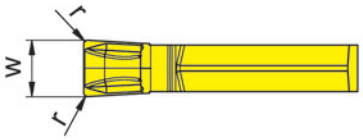
S100











Nuance
Leghe

▲ en stock
a stock

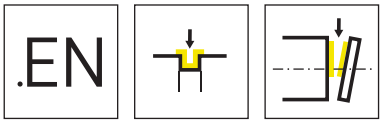
Δ 4 semaines
4 settimane

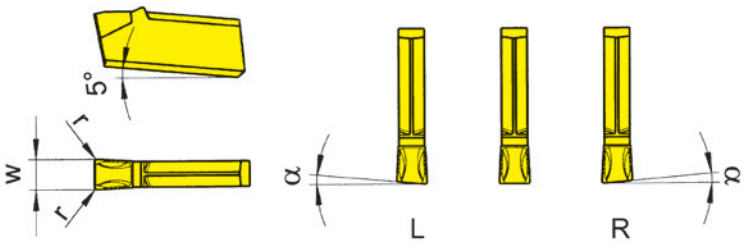
Numéro de commande Codice prodotto	w	r	HIS		AS45	HP65	IG35	IG65	IG6G
S100.0200.3V2	2	0,2	100018		▲	▲	▲	▲	
S100.0250.3V2	2,5	0,2	100028		▲	▲	▲	▲	
S100.0300.3V2	3	0,2	100038		▲	▲	▲	▲	▲
S100.0400.3V3	4	0,3	100048		▲	▲	▲	▲	
				P	●	●	-	●	●
				M	●	●	●	●	o
				K	●	●	-	-	o
				N	o	o	-	-	-
				S	●	●	●	o	-
				H	-	-	-	-	-

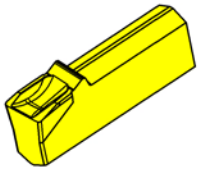
U

Plaquette de coupe
Inserto

S100







R = version à droite
R = versione destra

L = version à gauche
L = versione sinistra

Nuance
Leghe

▲ en stock
a stock

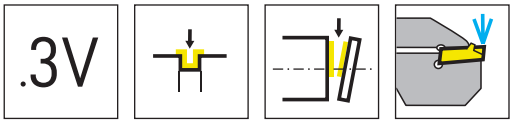
Δ 4 semaines
4 settimane

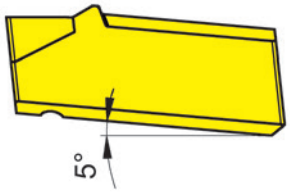
Numéro de commande Codice prodotto	w	r	α	HIS		ALX3	AS62	AS63	AS66	AS6G
RS100.0540.EN2	4	0,2	5°	100048		▲				
RS100.0530.EN2	3	0,2	5°	100038			▲		▲	
LS100.0480.EN8	8	0,8	4°	100088					Δ	
LS100.0540.EN2	4	0,2	5°	100048		▲				
S100.0200.EN2	2	0,2	0°	100018		▲				▲
S100.0300.EN2	3	0,2	0°	100038		▲		▲	▲	▲
S100.0400.EN3	4	0,3	0°	100048		▲		▲		▲
S100.0500.EN3	5	0,3	0°	100058		▲				
S100.0600.EN6	6	0,6	0°	100068						▲
S100.0800.EN8	8	0,8	0°	100088						▲
S100.1000.EN8	10	0,8	0°	100108						▲
S100.1200.EN8	12	0,8	0°	100128						▲
S100.1600.EN8	16	0,8	0°	100168						▲
					P	●	●	●	●	●
					M	-	-	-	o	●
					K	-	-	-	●	●
					N	-	-	-	●	●
					S	-	-	-	o	●
					H	-	-	-	-	-

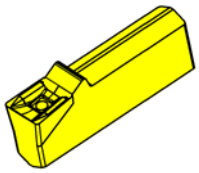
U

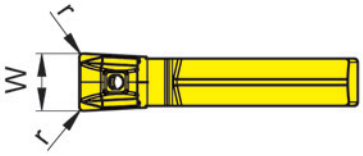
Plaquette de coupe
Inserto

S100









Nuance
Leghe

▲ en stock
a stock

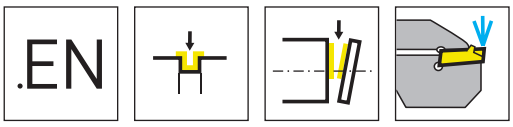
Δ 4 semaines
4 settimane

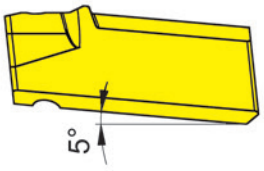
Numéro de commande Codice prodotto	w	r	HIS		HP65	IG35
S100.0250.3V2.IK	2,5	0,2	100029		▲	▲
S100.0300.3V2.IK	3	0,2	100039		▲	▲
				P	●	-
				M	●	●
				K	●	-
				N	o	-
				S	●	●
				H	-	-

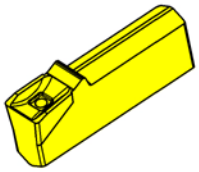
U

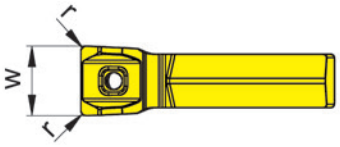
Plaquette de coupe
Inserto

S100









Nuance
Leghe

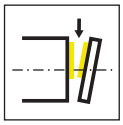
▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		AS45	EG55	HP65
S100.0250.EN2.IK	2,5	0,2	100029		▲	Δ	▲
S100.0300.EN2.IK	3	0,2	100039		▲	▲	▲
S100.0400.EN3.IK	4	0,3	100049		▲	▲	▲
				P	●	●	●
				M	●	o	●
				K	●	o	●
				N	o	-	o
				S	●	-	●
				H	-	-	-

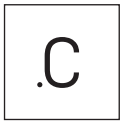
U

Porte outils
Portainserto
H223



Page/Pag.
626

Plaquette amovible
Inserto
S223



Page/Pag.
627-628



Page/Pag.
629

Informations technique
Informazioni tecniche

Page/Pag.
701

U

223



U

Porte outils et plaquettes

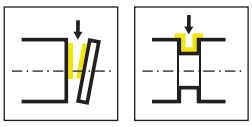
Avec brise copeaux
Largeur de gorge 2 - 3 mm
Profondeur de gorge jusqu'à 25 mm

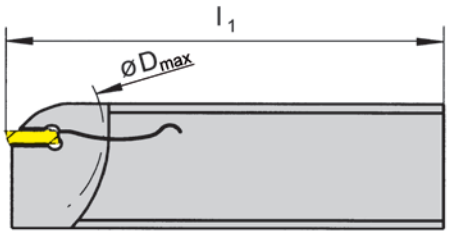
Portainserto e inserti

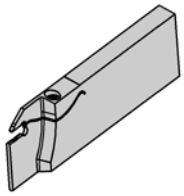
Con formatruciolo
Larghezza della gola 2 - 3 mm
Profondità della gola fino a 25 mm

Porte outils
Portainserto

H223







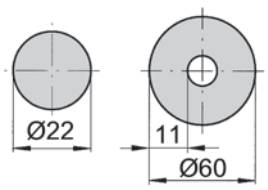
R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

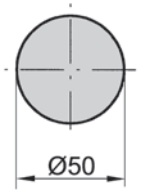
Numéro de commande Codice prodotto	h	b	l_1	h_1	f	D_{max}	HWS
RH223.2608.01	26	7,9	110	21,4	0,8	50	12301 • 22301
RH223.3208.01	32	7,9	110	24,8	0,8	50	12301 • 22301
RH223.2608.02	26	7,9	110	21,4	0,95	50	22302
RH223.3208.02	32	7,9	110	24,8	0,95	50	22302
RH223.2608.03	26	7,9	110	21,4	1,2	50	12303 • 22303
LH223.2608.01	26	7,9	110	21,4	0,8	50	12301 • 22301
LH223.3208.01	32	7,9	110	24,8	0,8	50	12301 • 22301
LH223.2608.02	26	7,9	110	21,4	0,95	50	22302
LH223.3208.02	32	7,9	110	24,8	0,95	50	22302
LH223.2608.03	26	7,9	110	21,4	1,2	50	12303 • 22303
LH223.3208.03	32	7,9	110	24,8	1,2	50	12303 • 22303

w voir plaquettes amovibles
w vd. inserti

Tronçonnage de barre/barre
Troncatura di barre piene/tubi
S223



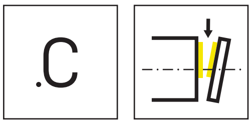
Tronçonnage de barre
Troncatura di barre piene
S123

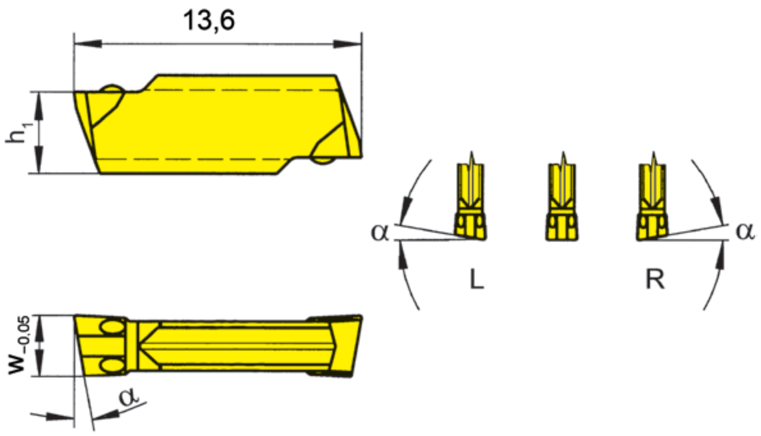


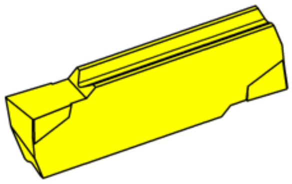
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH223...	**4.15T15P**	**T15PL**
LH223.3208.03	**4.15T15P**	**T15PL**

S223







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

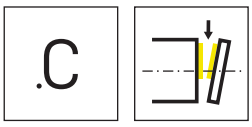
Numéro de commande Codice prodotto	w	α	h_1	HIS	EG55	TI25	TN35
RS223.0420.C0	2	4°	3,65	22301		▲	▲
RS223.0825.C0	2,5	8°	3,75	22302	▲	▲	▲
RS223.0430.C0	3	4°	3,95	22303		Δ	Δ
LS223.0420.C0	2	4°	3,65	22301			▲
LS223.0825.C0	2,5	8°	3,75	22302		Δ	
LS223.0430.C0	3	4°	3,95	22303		Δ	Δ
S223.0025.C0	2,5	0°	3,75	22302		▲	Δ
S223.0030.C0	3	0°	3,95	22303		▲	▲

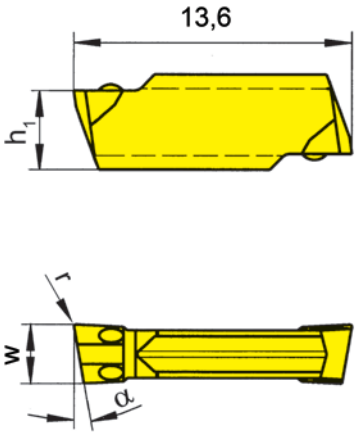
	EG55	TI25	TN35
P	●	●	●
M	o	●	●
K	o	●	●
N	-	●	●
S	-	●	●
H	-	-	-

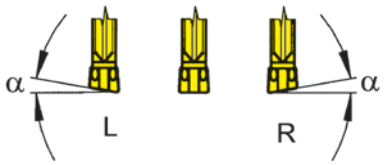
U

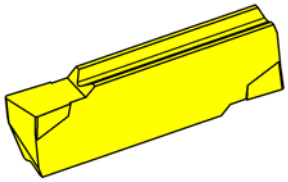
Plaquette amovible
Inserto

S223









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

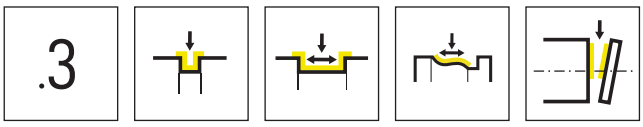
Δ 4 semaines
4 settimane

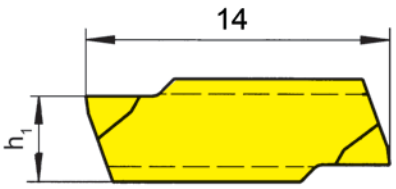
Numéro de commande Codice prodotto	w	r	α	h_1	HIS	Nuance Leghe T125	TN35
RS223.0425.C1	2,5	0,15	4°	3,75	22302	Δ	Δ
RS223.0825.C1	2,5	0,15	8°	3,75	22302	▲	Δ
RS223.0430.C1	3	0,15	4°	3,95	22303		Δ
LS223.0425.C1	2,5	0,15	4°	3,75	22302	Δ	Δ
LS223.0825.C1	2,5	0,15	8°	3,75	22302	Δ	Δ
LS223.0430.C1	3	0,15	4°	3,95	22303	Δ	Δ
S223.0025.C1	2,5	0,15	0°	3,75	22302	▲	Δ
						P ●	●
						M ●	●
						K ●	●
						N ●	●
						S ●	●
						H -	-

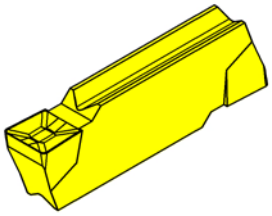
U

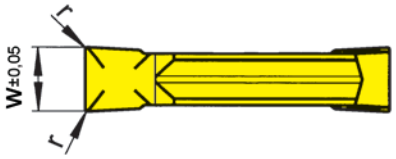
Plaquette amovible
Inserto

S223









Nuance
Leghe

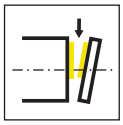
▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	h_1	HIS		EG55	H54	TI25	TN35
S223.0200.32	2	0,2	3,65	22301		▲	▲	▲	▲
S223.0250.32	2,5	0,2	3,75	22302		▲	▲	▲	▲
S223.0300.32	3	0,2	3,95	22303		▲	▲	▲	▲
					P	●	●	●	●
					M	o	●	●	●
					K	o	-	●	●
					N	-	-	●	●
					S	-	-	●	●
					H	-	-	-	-

U

Porte outils
Portainserto
H224



Page/Pag.
632-638

Plaquette amovible
Inserto
S224

.C

Page/Pag.
639-640

.D

Page/Pag.
641

.E

Page/Pag.
642

.F

Page/Pag.
643

.FY

Page/Pag.
644

.WT

Page/Pag.
645

.3V

Page/Pag.
646

Informations technique
Informazioni tecniche

Page/Pag.
701

U

S224



U

Porte outils et plaquettes

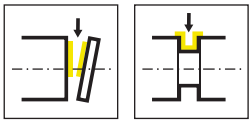
Largeur de gorge 2 - 3 mm

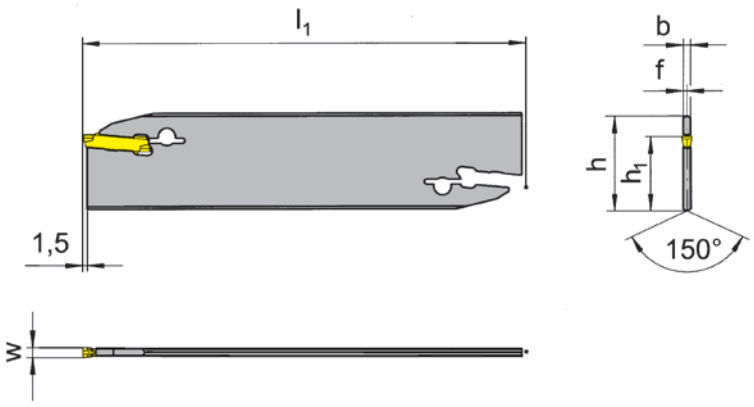
Portainserto e inserti

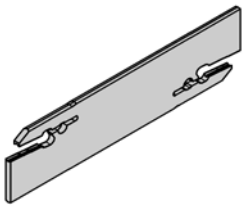
Larghezza della gola 2 - 3 mm

Porte outils
Portainserto

H224







Numéro de commande Codice prodotto	h	b	l_1	h_1	f	t_{max}	w	HWS
H224.2602.02	26	1,9	110	21,4	0,95	18	2,5	224028
H224.2603.03	26	2,3	110	21,4	1,15	18	3	224038
H224.3203.03	32	2,3	150	24,8	1,15	18	3	224038

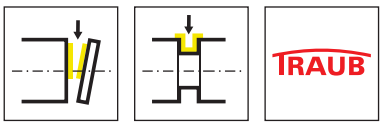
w voir plaquettes amovibles
w vd. inserti

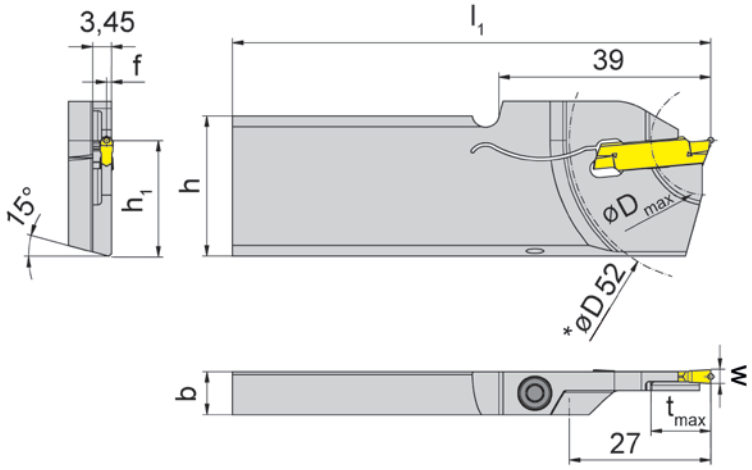
La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

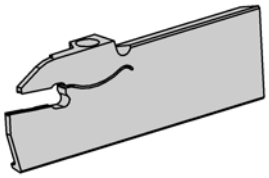
U

Porte outils
Portainserto

H224







L = version à gauche
L = versione sinistra

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	t_{max}	D_{max}	w	HWS
LH224.2608.20.T.81	26	8	88	21,4	0,7	18	36	2	224018
LH224.2608.20.T.82	26	8	88	21,4	0,9	18	36	2,5	224028
LH224.2608.20.T.83	26	8	88	21,4	1,1	18	36	3	224038

pour machine TRAUB (TNL18P)
per macchina Traub (TNL18P)

w voir plaquettes amovibles
w vd. inserti

*D 52 = Dmax Contre-broche
*D 52 = Dmax del sottomandrino

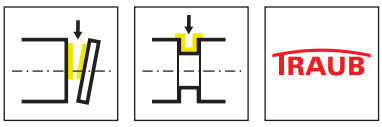
U

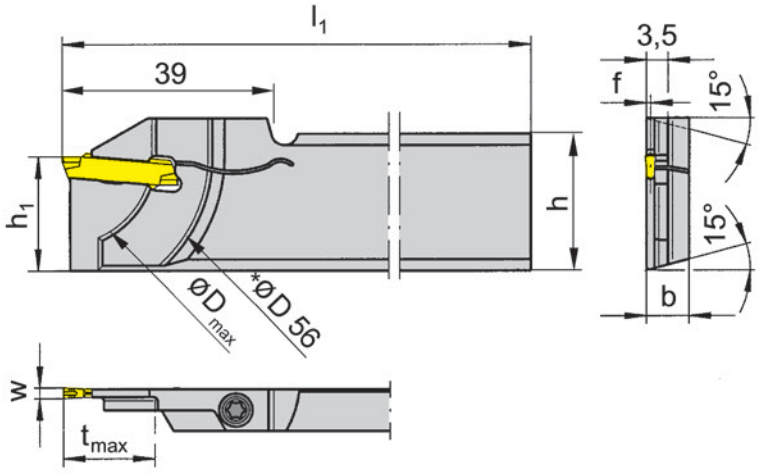
Pièces Détachées
Ricambi

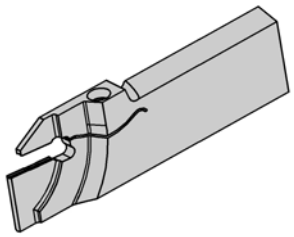
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
LH224...	**4.15T15P**	**T15PQ**

Porte outils
Portainserto

H224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	t_{max}	D_{max}	w	HWS
RH224.2608.81	26	7,9	110	21,4	0,75	18	36	2	224018
RH224.2608.82	26	7,9	110	21,4	0,95	18	36	2,5	224028
RH224.2608.83	26	7,9	110	21,4	1,2	18	36	3	224038
LH224.2608.81	26	7,9	110	21,4	0,75	18	36	2	224018
LH224.2608.82	26	7,9	110	21,4	0,95	18	36	2,5	224028
LH224.2608.83	26	7,9	110	21,4	1,1	18	36	3	224038

pour machines TRAUB (TNK28/TNK36/TNL26)
per macchina utensile TRAUB (TNK28/TNK36/TNL26)

w voir plaquettes amovibles
w vd. inserti

*D 56 = Dmax contre broche
*D 56 = Dmax del contromandrino

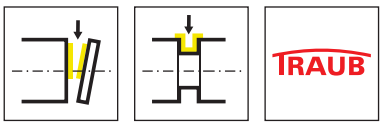
U

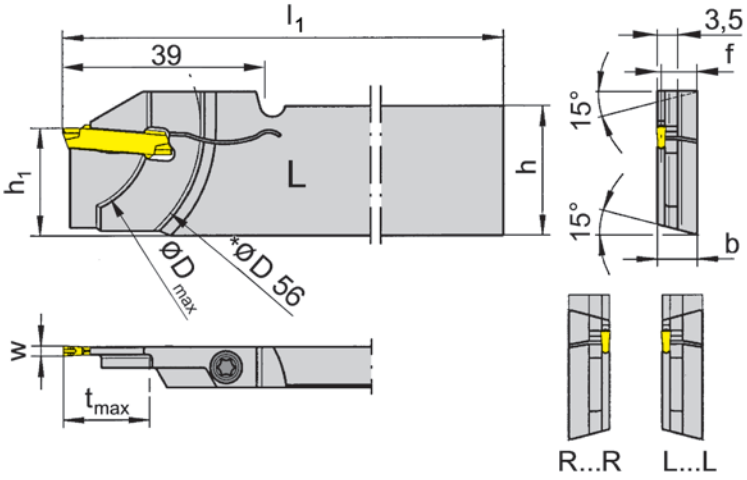
Pièces Détachées
Ricambi

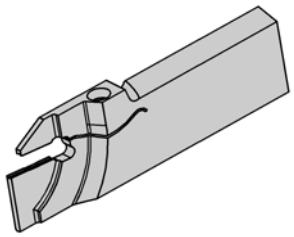
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**4.15T15P**	**T15PL**

Porte outils
Portainserto

H224







L = version à gauche représentée
L = versione sinistra come in figura

R = version à droite
R = versione destra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	t_{max}	D_{max}	w	HWS
RH224.2608.81R	26	7,9	110	21,4	7,15	18	36	2	224018
RH224.2608.82R	26	7,9	110	21,4	6,95	18	36	2,5	224028
RH224.2608.83R	26	7,9	110	21,4	6,75	18	36	3	224038
RH224.3208.83R	32	7,9	110	24,8	6,8	21	42	3	224038
LH224.2608.81L	26	7,9	110	21,4	7,15	18	36	2	224018
LH224.2608.82L	26	7,9	110	21,4	6,95	18	36	2,5	224028
LH224.2608.83L	26	7,9	110	21,4	6,75	18	36	3	224038
LH224.3208.83L	32	7,9	110	24,8	6,8	21	42	3	224038

pour machines TRAUB (TNK28/TNK36/TNL26)
per macchina utensile TRAUB (TNK28/TNK36/TNL26)

w voir plaquettes amovibles
w vd. inserti

*D 56 = Dmax contre broche
*D 56 = Dmax del contromandrino

* Serrage spécifique pour multibroche (p.e. HAINBUCH Axfixchuck)
* Per sistema specifico di bloccaggio sul contromandrino (es. . HAINBUCH Axfixchuck)

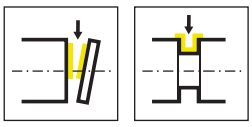
Pièces Détachées
Ricambi

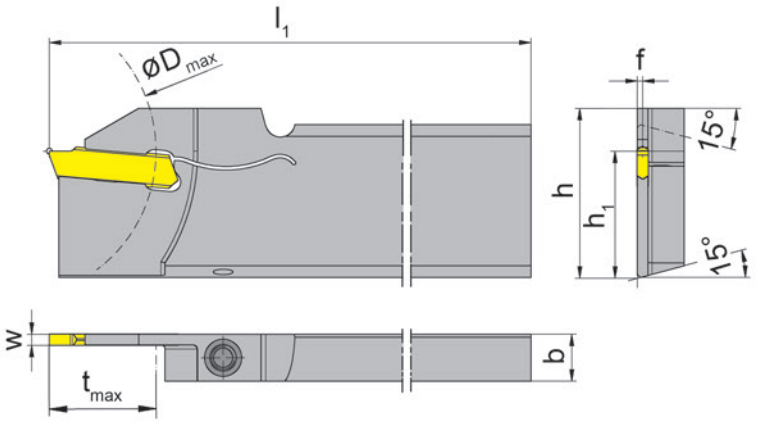
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224.2608...R/L	**4.15T15P**	**T15PL**
R/LH224.3208.83R/L	**5.13T20P**	**T20PQ**

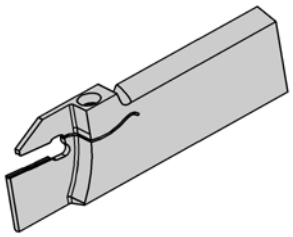
U

Porte outils
Portainserto

H224







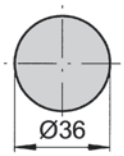
R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

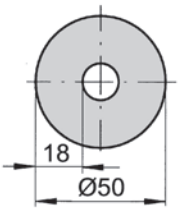
Numéro de commande Codice prodotto	h	b	l_1	h_1	f	t_{max}	D_{max}	w	HWS
RH224.2608.01	26	7,9	110	21,4	0,7	18	50	2	224018
RH224.3208.01	32	7,9	110	24,8	0,7	18	50	2	224018
RH224.2608.02	26	7,9	110	21,4	0,9	18	50	2,5	224028
RH224.3208.02	32	7,9	110	24,8	0,9	18	50	2,5	224028
RH224.2608.03	26	7,9	110	21,4	1,1	18	50	3	224038
RH224.3208.03	32	7,9	110	24,8	1,1	18	50	3	224038
LH224.2608.01	26	7,9	110	21,4	0,7	18	50	2	224018
LH224.3208.01	32	7,9	110	24,8	0,7	18	50	2	224018
LH224.2608.02	26	7,9	110	21,4	0,9	18	50	2,5	224028
LH224.3208.02	32	7,9	110	24,8	0,9	18	50	2,5	224028
LH224.2608.03	26	7,9	110	21,4	1,1	18	50	3	224038
LH224.3208.03	32	7,9	110	24,8	1,1	18	50	3	224038

w voir plaquettes amovibles
w vd. inserti

Tronçonnage de barre
Troncatura di barre piene



Tronçonnage de tube
Troncatura di tubi

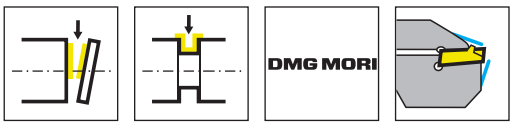


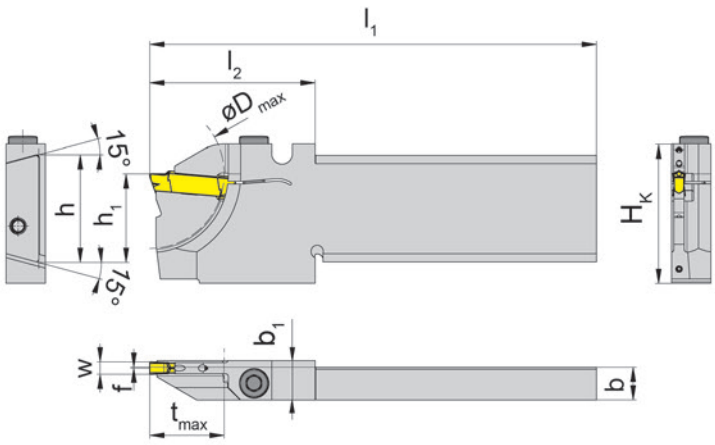
Pièces Détachées
Ricambi

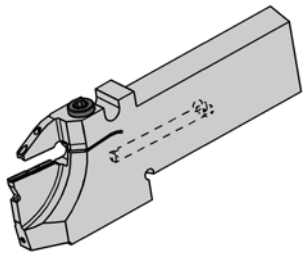
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224...	**4.20T15P**	**T15PL**

Porte outils
Portainserto

H224







R = version à droite représentée
R = versione destra come in figura

Numéro de commande Codice prodotto	H_K	h	b	l_1	h_1	f	t_{max}	l_2	D_{max}	b_1	w	HWS
RH224.2608.1.18.4.73.IK	33,6	26	7,9	108	21,4	0,2	18	40	36	9,5	3	224038
RH224.2608.1.18.4.73R.IK	33,6	26	7,9	108	21,4	6,4	18	40	36	9,5	3	224038
RH224.2608.2.18.4.73.IK	33,6	26	7,9	124	21,4	0,2	18	65	36	9,5	3	224038
RH224.2608.2.18.4.73R.IK	33,6	26	7,9	124	21,4	6,4	18	65	36	9,5	3	224038

pour machines DMG MORI (MULTISPRINT 36)
per macchine DMG MORI (MULTISPRINT 36)

w voir plaquettes amovibles
w vd. inserti

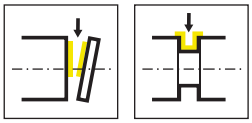
U

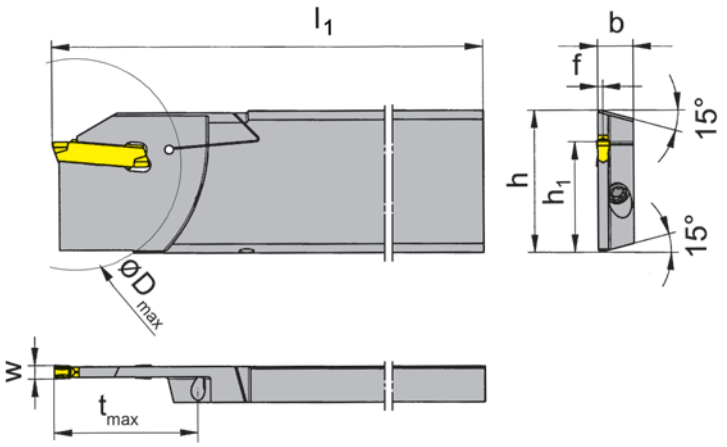
Pièces Détachées
Ricambi

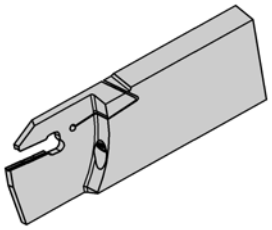
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
RH224...	**5.13T20P**	**T20PQ**

Porte outils
Portainserto

H224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	t_{max}	D_{max}	w	HWS
RH224.3208.93	32	8	112	24,8	1,15	32,5	65	3	224038
LH224.3208.93	32	8	112	24,8	1,15	32,5	65	3	224038

w voir plaquettes amovibles
w vd. inserti

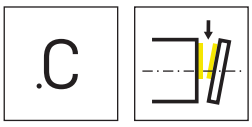
U

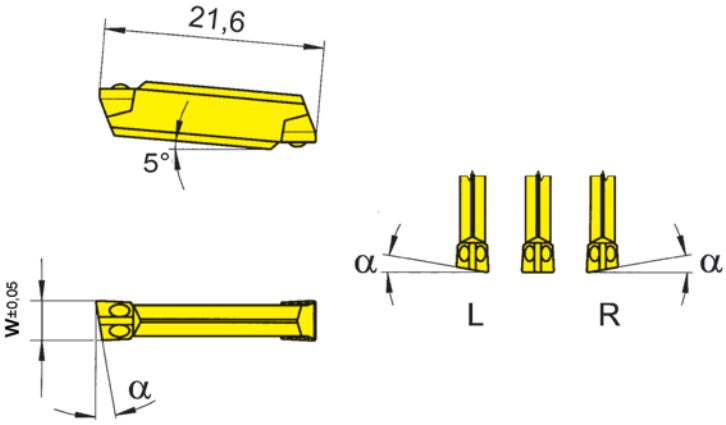
Pièces Détachées
Ricambi

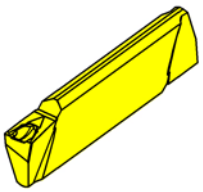
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH224.3208.93	**030.0413.T15P**	**T15PQ**

Plaquette amovible
Inserto

S224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

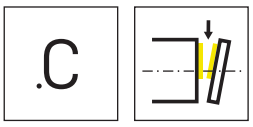
Nuance
Leghe

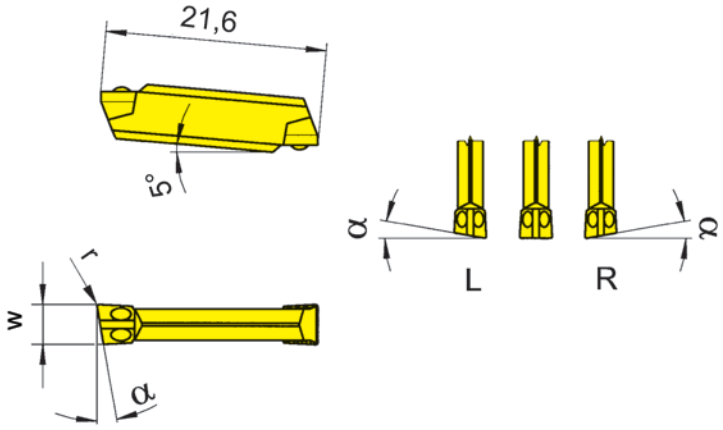
Numéro de commande Codice prodotto	w	α	HIS		TF45	TI25	TN35
RS224.0520.C0	2	5°	224018		▲	Δ	▲
RS224.0525.C0	2,5	5°	224028		▲	▲	▲
RS224.0530.C0	3	5°	224038		▲	Δ	▲
RS224.0820.C0	2	8°	224018		▲	Δ	▲
RS224.0825.C0	2,5	8°	224028			Δ	▲
RS224.0830.C0	3	8°	224038		▲		▲
RS224.1520.C0	2	15°	224018		▲		▲
LS224.0520.C0	2	5°	224018		▲	Δ	▲
LS224.0525.C0	2,5	5°	224028			Δ	Δ
LS224.0530.C0	3	5°	224038		Δ	Δ	▲
LS224.0820.C0	2	8°	224018		▲	Δ	▲
LS224.0825.C0	2,5	8°	224028		Δ		▲
LS224.0830.C0	3	8°	224038		▲		▲
LS224.1520.C0	2	15°	224018		▲		▲
S224.0020.C0	2	0°	224018		▲	▲	▲
S224.0025.C0	2,5	0°	224028		▲	▲	▲
S224.0030.C0	3	0°	224038		▲	▲	▲
				P	●	●	●
				M	●	●	●
				K	●	●	●
				N	●	●	●
				S	●	●	●
				H	-	-	-

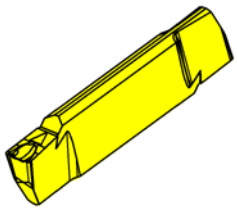
U

Plaquette amovible
Inserto

S224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

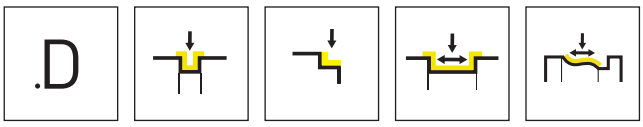
Nuance
Leghe

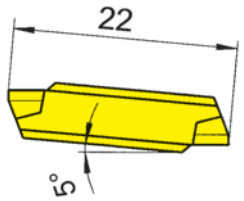
Numéro de commande Codice prodotto	w	r	α	HIS		TF45	TI25	TN35
RS224.0520.C1	2	0,15	5°	224018		▲		▲
RS224.0525.C1	2,5	0,15	5°	224028		▲		Δ
RS224.0530.C1	3	0,15	5°	224038		▲		▲
RS224.0820.C1	2	0,15	8°	224018		▲		Δ
RS224.0825.C1	2,5	0,15	8°	224028		▲		Δ
RS224.0830.C1	3	0,15	8°	224038		▲		▲
RS224.1520.C1	2	0,15	15°	224018		▲		▲
LS224.0520.C1	2	0,15	5°	224018		▲		▲
LS224.0525.C1	2,5	0,15	5°	224028		▲		Δ
LS224.0530.C1	3	0,15	5°	224038		▲		▲
LS224.0820.C1	2	0,15	8°	224018		▲		Δ
LS224.0825.C1	2,5	0,15	8°	224028		▲		Δ
LS224.0830.C1	3	0,15	8°	224038		▲		▲
LS224.1520.C1	2	0,15	15°	224018		▲		▲
S224.0020.C1	2	0,15	0°	224018		▲	▲	▲
S224.0025.C1	2,5	0,15	0°	224028		▲	▲	▲
S224.0030.C1	3	0,15	0°	224038		▲	▲	▲
					P	●	●	●
					M	●	●	●
					K	●	●	●
					N	●	●	●
					S	●	●	●
					H	-	-	-

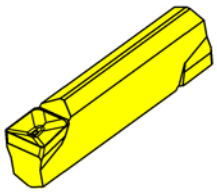
U

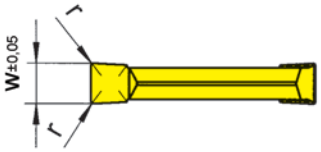
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

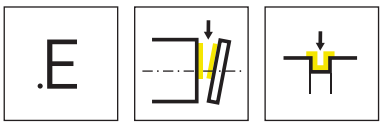
Δ 4 semaines
4 settimane

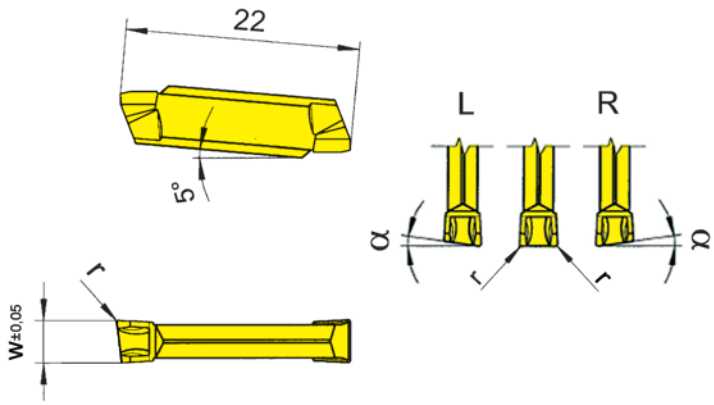
Numéro de commande Codice prodotto	w	r	HIS		H54	IG66	TF45	TF46	TI25	TN32	TN35
S224.0200.D2	2	0,2	224018		▲	▲	▲	▲	▲	▲	▲
S224.0250.D2	2,5	0,2	224028		Δ	▲	▲	▲	▲	▲	▲
S224.0300.D2	3	0,2	224038		▲	▲	▲	▲	▲	▲	▲
				P	●	●	●	●	●	●	●
				M	●	●	●	o	●	-	●
				K	-	-	●	●	●	-	●
				N	-	-	●	●	●	-	●
				S	-	o	●	o	●	-	●
				H	-	-	-	-	-	-	-

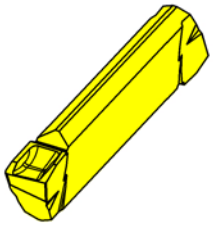
U

Plaquette amovible
Inserto

S224







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

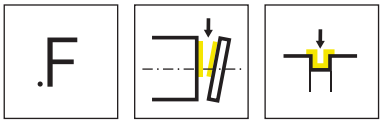
Δ 4 semaines
4 settimane

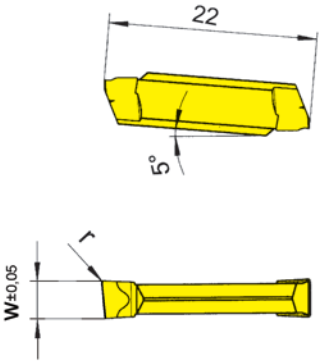
Numéro de commande Codice prodotto	w	r	α	HIS		AS62	TF43	TF45	TN35
RS224.0520.E2	2	0,2	5°	224018		▲	Δ		
RS224.0525.E2	2,5	0,2	5°	224028		▲	Δ	Δ	
RS224.0530.E2	3	0,2	5°	224038		▲	Δ	▲	
LS224.0520.E2	2	0,2	5°	224018		Δ	Δ	Δ	
LS224.0525.E2	2,5	0,2	5°	224028		Δ	Δ	Δ	
LS224.0530.E2	3	0,2	5°	224038		▲		▲	
S224.0200.E2	2	0,2	0°	224018		▲	▲	▲	
S224.0250.E2	2,5	0,2	0°	224028		▲	▲	▲	
S224.0300.E2	3	0,2	0°	224038		▲	▲	▲	Δ
S224.0300.E4	3	0,4	0°	224038		▲	Δ	▲	Δ
					P	●	●	●	●
					M	-	-	●	●
					K	-	-	●	●
					N	-	-	●	●
					S	-	-	●	●
					H	-	-	-	-

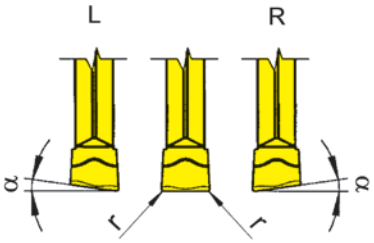
U

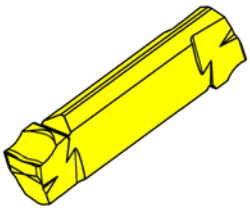
Plaquette amovible
Inserto

S224









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

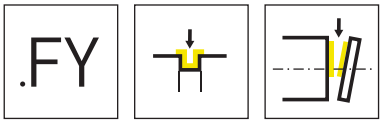
Δ 4 semaines
4 settimane

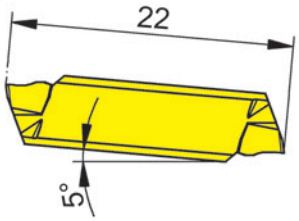
Numéro de commande Codice prodotto	w	r	α	HIS		TF43	TF45	TF46	TI22	TI25
RS224.0520.F2	2	0,2	5°	224018			▲	▲		
RS224.0525.F2	2,5	0,2	5°	224028		▲	▲			
RS224.0530.F2	3	0,2	5°	224038		▲	▲		Δ	
LS224.0520.F2	2	0,2	5°	224018			▲	Δ		
LS224.0525.F2	2,5	0,2	5°	224028			▲			
LS224.0530.F2	3	0,2	5°	224038		Δ	▲			
S224.0200.F2	2	0,2	0°	224018		▲	▲	▲	▲	▲
S224.0250.F2	2,5	0,2	0°	224028		Δ	▲	Δ	Δ	Δ
S224.0300.F2	3	0,2	0°	224038		▲	▲		Δ	▲
					P	●	●	●	●	●
					M	-	●	o	-	●
					K	-	●	●	-	●
					N	-	●	●	-	●
					S	-	●	o	-	●
					H	-	-	-	-	-

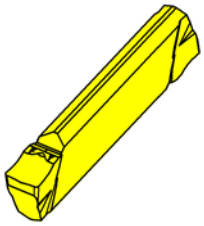
U

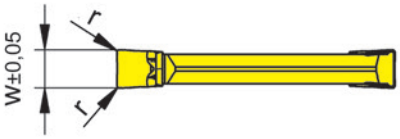
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

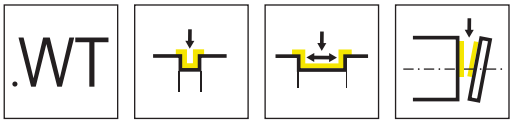
Δ 4 semaines
4 settimane

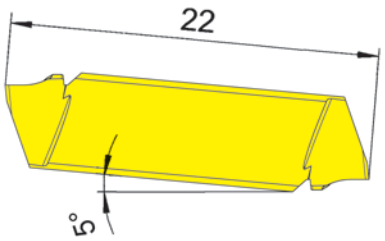
Numéro de commande Codice prodotto	w	r	HIS		HP65	IG35	TI25
S224.0200.FY2	2	0,2	224018		▲	▲	▲
S224.0250.FY2	2,5	0,2	224028		▲	▲	▲
S224.0300.FY2	3	0,2	224038		▲	▲	▲
				P	●	-	●
				M	●	●	●
				K	●	-	●
				N	o	-	●
				S	●	●	●
				H	-	-	-

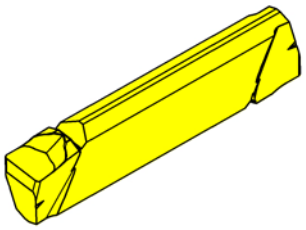
U

Plaquette amovible
Inserto

S224







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

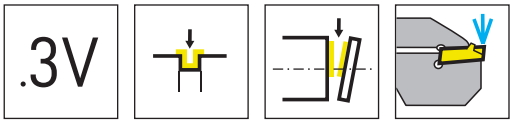
Numéro de commande Codice prodotto	w	r	HIS	IG35
S224.0200.WT2	2	0,2	224018	▲
S224.0250.WT2	2,5	0,2	224028	▲
S224.0300.WT2	3	0,2	224038	▲

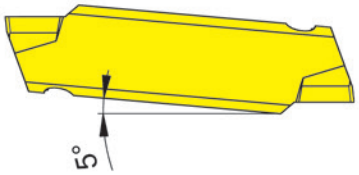
P	-
M	●
K	-
N	-
S	●
H	-

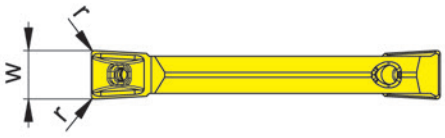
U

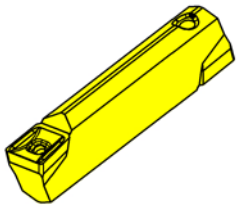
Plaquette amovible
Inserto

S224









Nuance
Leghe

▲ en stock
a stock

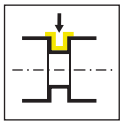
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS		HP65	IG35
S224.0300.3V2.IK	3	0,2	224039		▲	▲
				P	●	-
				M	●	●
				K	●	-
				N	o	-
				S	●	●
				H	-	-

U

Gorge et Tronçonnage
Gole e Troncatura

Porte outils
Portainserto
226



Page/Pag.
650

Plaquette amovible
Inserto
S229/229

.C

Page/Pag.
651-652

.3

Page/Pag.
653

.E

Page/Pag.
654

.F

Page/Pag.
655

.N

Page/Pag.
656

Informations technique
Informazioni tecniche

Page/Pag.
701

U

229



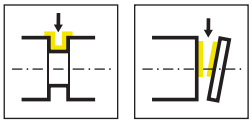
U

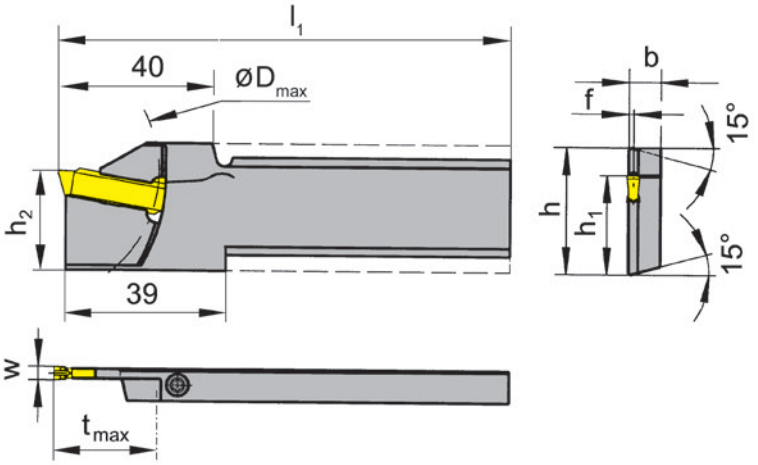
Porte outils et plaquettes

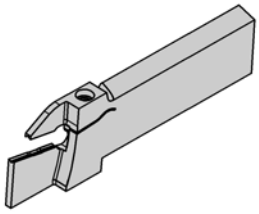
Largeur de gorge 3 - 5 mm

Portainserto e inserti

Larghezza della gola 3 - 5 mm







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_2	f	t_{max}	D_{max}	h_1	Plage de serrage Campo di serraggio	HWS
R226.2608.03	26	8	110	24,8	1,2	25	150	21,4	3	229030
R226.3208.03	32	8	110	24,8	1,2	25	150	24,8	3	229030
R226.2608.04	26	8	110	24,8	1,7	25	150	21,4	4	229040
R226.3208.04	32	8	110	24,8	1,7	25	150	24,8	4	229040
L226.2608.03	26	8	110	24,8	1,2	25	150	21,4	3	229030
L226.3208.03	32	8	110	24,8	1,2	25	150	24,8	3	229030
L226.2608.04	26	8	110	24,8	1,7	25	150	21,4	4	229040
L226.3208.04	32	8	110	24,8	1,7	25	150	24,8	4	229040

w voir plaquettes amovibles
w vd. inserti

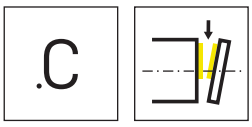
U

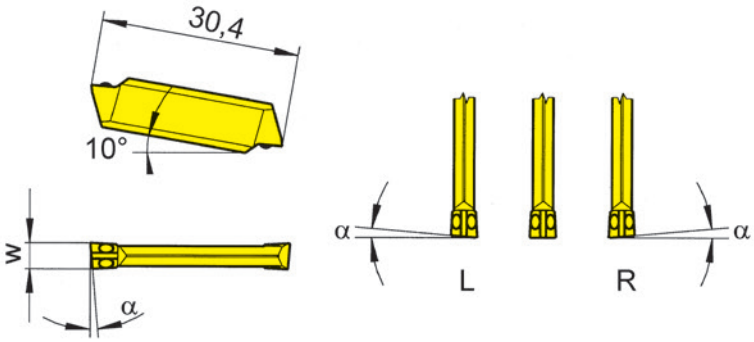
Pièces Détachées
Ricambi

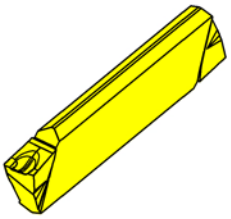
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L226...	**4.15T15P**	**T15PQ**

Plaquette amovible
Inserto

S229







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

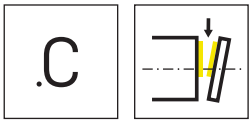
Δ 4 semaines
4 settimane

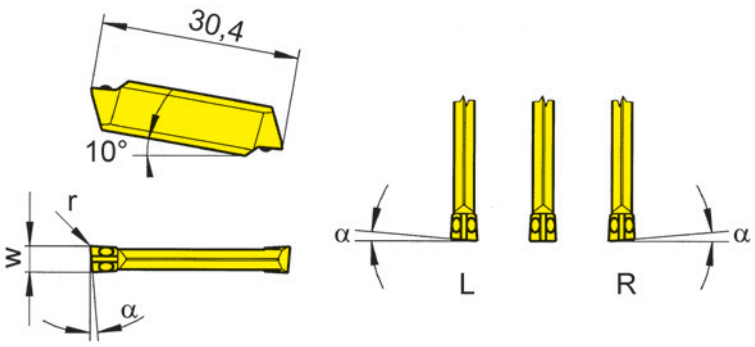
Numéro de commande Codice prodotto	w	α	HIS	Nuance Leghe TF45	TI25	TN35
RS229.0530.C0	3	5°	229020 • 229030	▲	▲	▲
RS229.0540.C0	4	5°	229030 • 229040	Δ	Δ	▲
RS229.0830.C0	3	8°	229020 • 229030	▲	▲	▲
RS229.0840.C0	4	8°	229030 • 229040	Δ	Δ	▲
LS229.0530.C0	3	5°	229020 • 229030	▲	▲	▲
LS229.0540.C0	4	5°	229030 • 229040	Δ	Δ	
LS229.0830.C0	3	8°	229020 • 229030	▲	▲	▲
LS229.0840.C0	4	8°	229030 • 229040	Δ	Δ	Δ
S229.0030.C0	3	0°	229020 • 229030	▲	▲	▲
S229.0040.C0	4	0°	229030 • 229040	Δ	Δ	▲
				P ●	●	●
				M ●	●	●
				K ●	●	●
				N ●	●	●
				S ●	●	●
				H -	-	-

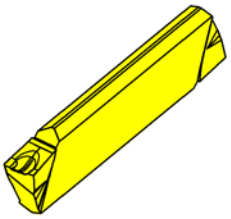
U

Plaquette amovible
Inserto

S229







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

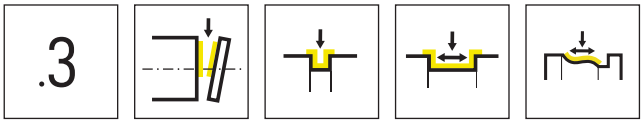
Nuance
Leghe

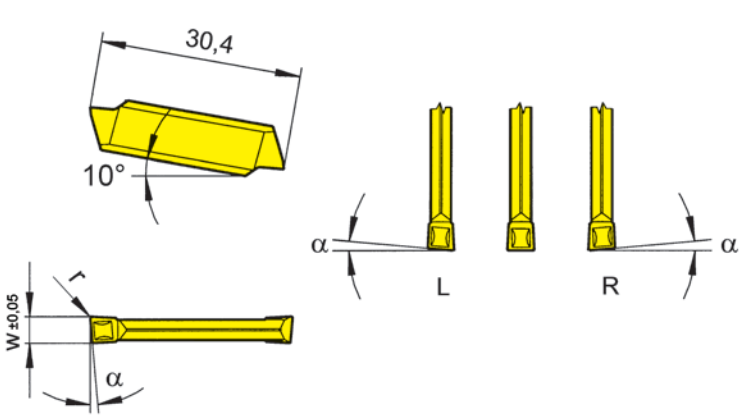
Numéro de commande Codice prodotto	w	r	α	HIS		TF45	TI25	TN35
RS229.0530.C1	3	0,15	5°	229020 • 229030		Δ	▲	▲
RS229.0540.C1	4	0,15	5°	229030 • 229040		Δ	Δ	Δ
RS229.0830.C1	3	0,15	8°	229020 • 229030		▲	▲	▲
RS229.0840.C1	4	0,15	8°	229030 • 229040		Δ	Δ	▲
LS229.0530.C1	3	0,15	5°	229020 • 229030		Δ	▲	▲
LS229.0540.C1	4	0,15	5°	229030 • 229040		Δ		Δ
LS229.0830.C1	3	0,15	8°	229020 • 229030		▲	Δ	▲
LS229.0840.C1	4	0,15	8°	229030 • 229040		Δ	Δ	Δ
S229.0030.C1	3	0,15	0°	229020 • 229030		Δ	▲	▲
					P	•	•	•
					M	•	•	•
					K	•	•	•
					N	•	•	•
					S	•	•	•
					H	-	-	-

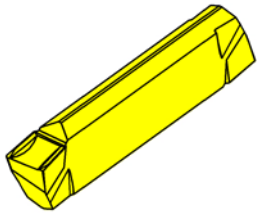
U

Plaquette amovible
Inserto

229 / S229







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

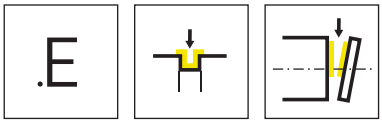
Numéro de commande Codice prodotto	w	r	α	HIS	AS62	AS66	H54	IG66	TF45	TI25	TN32	TN35
R229.5300.31	3	0,2	5°	229020 • 229030	▲					▲	▲	▲
RS229.0530.32	3	0,2	5°	229020 • 229030	▲				▲	▲	▲	▲
RS229.0540.32	4	0,2	5°	229030 • 229040	▲				▲	▲	▲	Δ
L229.5300.31	3	0,2	5°	229020 • 229030	▲					▲	▲	▲
LS229.0530.32	3	0,2	5°	229020 • 229030	▲				▲	▲	▲	▲
LS229.0540.32	4	0,2	5°	229030 • 229040					▲	▲	▲	Δ
S229.0300.32	3	0,2	-	229020 • 229030	▲	▲	▲	▲	▲	▲	▲	▲
S229.0400.32	4	0,2	-	229030 • 229040	▲	▲	▲	▲	▲	▲	▲	▲
P					●	●	●	●	●	●	●	●
M					-	o	●	●	●	●	-	●
K					-	●	-	-	●	●	-	●
N					-	●	-	-	●	●	-	●
S					-	o	-	o	●	●	-	●
H					-	-	-	-	-	-	-	-

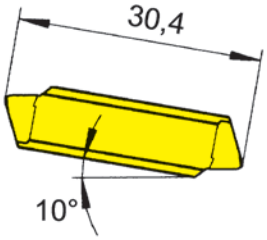
R/L229.5300.31 **précision affûtée**, longueur 30,0 mm
R/L229.5300.31 rettificato di precisione, lunghezza 30,0 mm

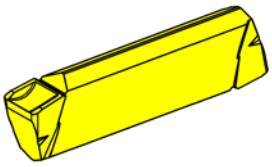
U

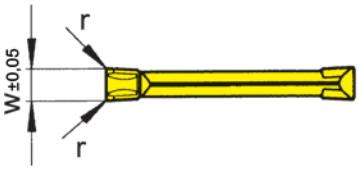
Plaquette amovible
Inserto

S229









Nuance
Leghe

▲ en stock
a stock

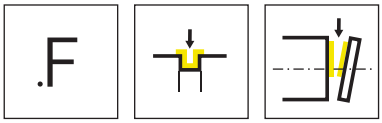
Δ 4 semaines
4 settimane

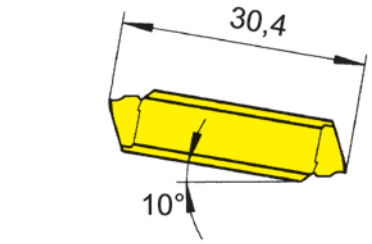
Numéro de commande Codice prodotto	w	r	HIS		AS62	TF45	TF46	T125
S229.0300.E2	3	0,2	229020 • 229030		▲	▲	▲	▲
S229.0300.E4	3	0,4	229020 • 229030		▲	▲		
S229.0400.E2	4	0,2	229030 • 229040		▲	▲	Δ	▲
S229.0400.E4	4	0,4	229030 • 229040		▲	▲		
				P	●	●	●	●
				M	-	●	o	●
				K	-	●	●	●
				N	-	●	●	●
				S	-	●	o	●
				H	-	-	-	-

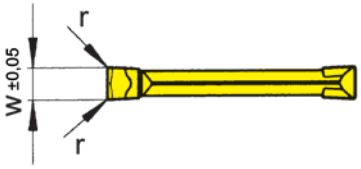
U

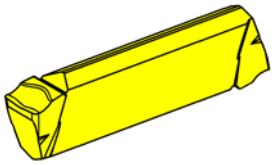
Plaquette amovible
Inserto

S229









Nuance
Leghe

▲ en stock
a stock

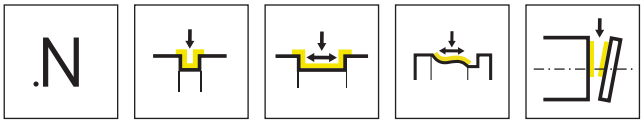
Δ 4 semaines
4 settimane

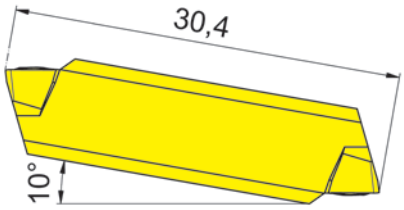
Numéro de commande Codice prodotto	w	r	HIS		TF43	TF45	TF46	TI22
S229.0300.F2	3	0,2	229020 • 229030		▲	▲	▲	▲
S229.0300.F4	3	0,4	229020 • 229030			▲	Δ	
S229.0400.F2	4	0,2	229030 • 229040		Δ	▲	Δ	
S229.0400.F4	4	0,4	229030 • 229040			▲	Δ	
				P	●	●	●	●
				M	-	●	o	-
				K	-	●	●	-
				N	-	●	●	-
				S	-	●	o	-
				H	-	-	-	-

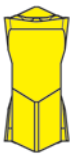
U

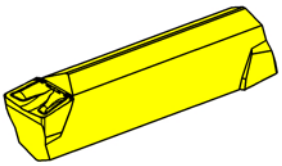
Plaquette amovible
Inserto

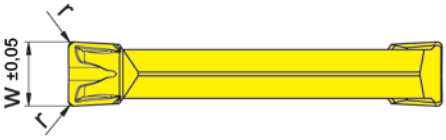
S229











Nuance
Leghe

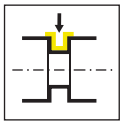
▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	HIS	AS45	AS62	IG66	TI25
S229.0300.N2.G	3	0,2	229020 • 229030	▲		▲	
S229.0300.N4.G	3	0,4	229020 • 229030	▲		▲	
S229.0400.N2.G	4	0,2	229030 • 229040	▲		▲	
S229.0400.N4.G	4	0,4	229030 • 229040	▲		▲	
S229.0500.N2.G	5	0,2	229040			▲	▲
S229.0500.N4.G	5	0,4	229040	▲	▲	▲	Δ
S229.0500.N6.G	5	0,6	229040	Δ	▲	▲	Δ
S229.0500.N8.G	5	0,8	229040		▲	▲	
P				●	●	●	●
M				●	-	●	●
K				●	-	-	●
N				o	-	-	●
S				●	-	o	●
H				-	-	-	-

U

Porte outils
Portainserto
H264



Page/Pag.
660-664

Plaquette amovible
Inserto
264



Page/Pag.
665



Page/Pag.
666

Informations technique
Informazioni tecniche

Page/Pag.
701

U

264



U

Porte outils et plaquettes

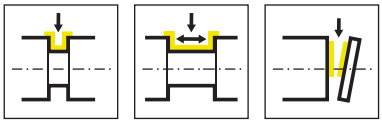
Largeur de gorge 1,5 - 3 mm

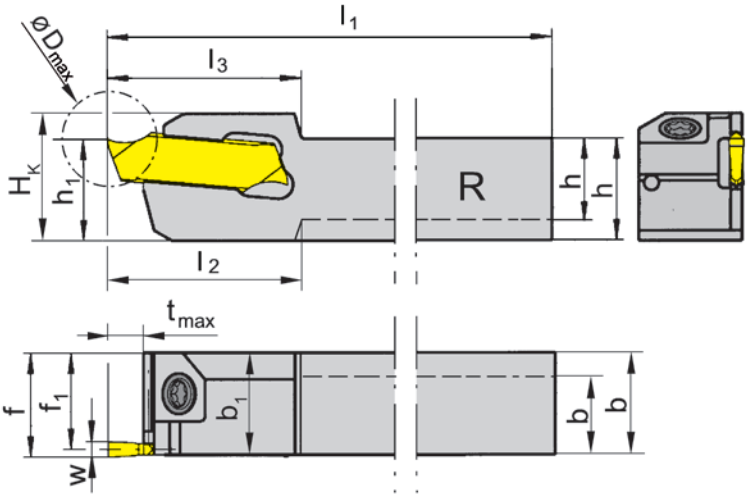
Portainserto e inserti

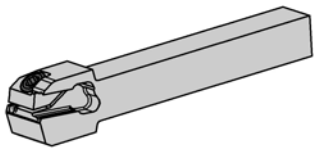
Larghezza della gola 1,5 - 3 mm

Porte outils
Portainserto

H264







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	b_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.0808.01	8	8	120	17,5	17,5	8	10	9,25	10	4	22	12,5	26401
RH264.1010.01	10	10	120	-	17,5	10	-	9,25	10	4	22	12,5	26401
RH264.1212.01	12	12	120	-	17,5	12	-	11,25	12	4	22	14,5	26401
RH264.1616.01	16	16	120	-	17,5	16	-	15,25	16	4	32	18,5	26401
RH264.1010.11	10	10	120	-	19	10	-	9,25	10	10	20	12,5	26401
RH264.1212.11	12	12	120	-	19	12	-	11,25	12	10	20	14,5	26401
RH264.1616.11	16	16	120	-	19	16	-	15,25	16	10	32	18,5	26401
RH264.1212.21	12	12	120	-	22	12	-	11,25	12	13	26	15,5	26401
RH264.1616.21	16	16	120	-	22	16	-	15,25	16	13	32	19,5	26401
LH264.0808.01	8	10	120	17,5	17,5	8	10	9,25	10	4	22	12,5	26401
LH264.1010.01	10	10	120	-	17,5	10	-	9,25	10	4	22	12,5	26401
LH264.1212.01	12	12	120	-	17,5	12	-	11,25	12	4	22	14,5	26401
LH264.1616.01	16	16	120	-	17,5	16	-	15,25	16	4	32	18,5	26401
LH264.1010.11	10	10	120	-	19	10	-	9,25	10	10	20	12,5	26401
LH264.1212.11	12	12	120	-	19	12	-	11,25	12	10	20	14,5	26401
LH264.1616.11	16	16	120	-	19	16	-	15,25	16	10	32	18,5	26401
LH264.1212.21	12	12	120	-	22	12	-	11,25	12	13	26	15,5	26401
LH264.1616.21	16	16	120	-	22	16	-	15,25	16	13	32	19,5	26401

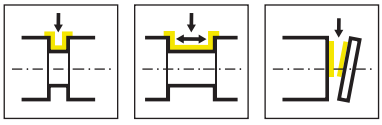
w voir plaquettes amovibles
w vd. inserti

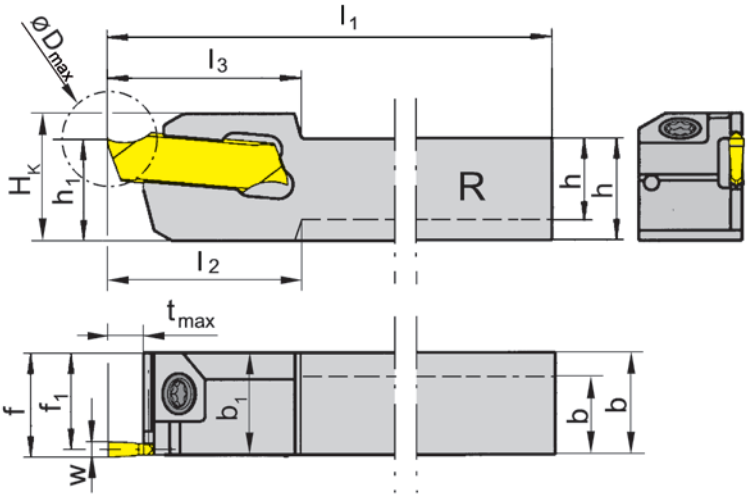
Pièces Détachées
Ricambi

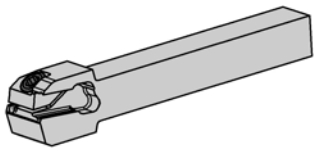
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH264...	**3.5.12T10EP**	**T10PL**

Porte outils
Portainserto

H264







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

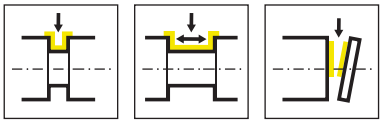
Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1010.02	10	10	120	17,5	10	9	10	4	32	12,5	26402
RH264.1212.02	12	12	120	17,5	12	11	12	4	32	14,5	26402
RH264.1616.02	16	16	120	17,5	16	15	16	4	32	18,5	26402
RH264.1010.12	10	10	120	19	10	9	10	10	32	12,5	26402
RH264.1212.12	12	12	120	19	12	11	12	10	32	14,5	26402
RH264.1616.12	16	16	120	19	16	15	16	10	32	18,5	26402
RH264.1212.22	12	12	120	25	12	11	12	16	32	14,5	26402
RH264.1616.22	16	16	120	25	16	15	16	16	32	19,5	26402
LH264.1010.02	10	10	120	17,5	10	9	10	4	32	12,5	26402
LH264.1212.02	12	12	120	17,5	12	11	12	4	32	14,5	26402
LH264.1616.02	16	16	120	17,5	16	15	16	4	32	18,5	26402
LH264.1010.12	10	10	120	19	10	9	10	10	32	12,5	26402
LH264.1212.12	12	12	120	19	12	11	12	10	32	14,5	26402
LH264.1616.12	16	16	120	19	16	15	16	10	32	18,5	26402
LH264.1212.22	12	12	120	25	12	11	12	16	32	14,5	26402
LH264.1616.22	16	16	120	25	16	15	16	16	32	19,5	26402

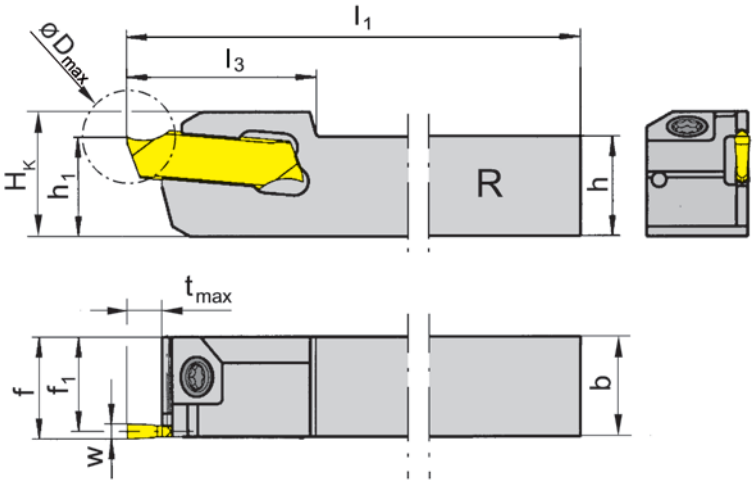
w voir plaquettes amovibles
w vd. inserti

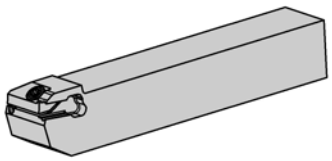
U

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH264...	**3.5.12T10EP**	**T10PL**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1212.03	12	12	120	17,5	12	10,75	12	4	32	14,5	26403
RH264.1616.03	16	16	120	17,5	16	14,75	16	4	32	18,5	26403
RH264.1212.13	12	12	120	19	12	10,75	12	10	32	14,5	26403
RH264.1616.13	16	16	120	19	16	14,75	16	10	32	18,5	26403
RH264.1212.23	12	12	120	25	12	10,75	12	16	32	14,5	26403
RH264.1616.23	16	16	120	25	16	14,75	16	16	32	18,5	26403
LH264.1616.03	16	16	120	17,5	16	14,75	16	4	32	18,5	26403
LH264.1212.13	12	12	120	19	12	10,75	12	10	32	14,5	26403
LH264.1616.13	16	16	120	19	16	14,75	16	10	32	18,5	26403
LH264.1212.23	12	12	120	25	12	10,75	12	16	32	14,5	26403
LH264.1616.23	16	16	120	25	16	14,75	16	16	32	18,5	26403

w voir plaquettes amovibles
w vd. inserti

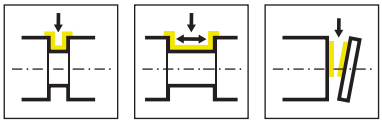
U

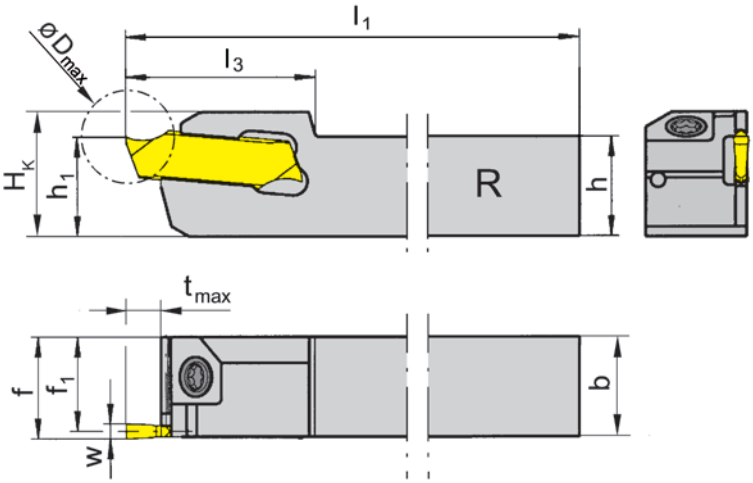
Pièces Détachées
Ricambi

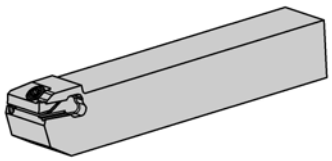
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH264...	**3.5.12T10EP**	**T10PL**

Porte outils
Portainserto

H264







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.1212.04	12	12	120	17,5	12	10,5	12	5	32	15	26404
RH264.1616.04	16	16	120	17,5	16	14,5	16	5	32	19	26404
RH264.1212.14	12	12	120	19	12	10,5	12	10	32	15	26404
RH264.1616.14	16	16	120	19	16	14,5	16	10	32	19	26404
RH264.1212.24	12	12	120	25	12	10,5	12	16	32	15	26404
RH264.1616.24	16	16	120	25	16	14,5	16	16	32	19	26404
LH264.1212.04	12	12	120	17,5	12	10,5	12	5	32	15	26404
LH264.1616.04	16	16	120	17,5	16	14,5	16	5	32	19	26404
LH264.1212.14	12	12	120	19	12	10,5	12	10	32	15	26404
LH264.1616.14	16	16	120	19	16	14,5	16	10	32	19	26404
LH264.1212.24	12	12	120	25	12	10,5	12	16	32	15	26404
LH264.1616.24	16	16	120	25	16	14,5	16	16	32	19	26404

w voir plaquettes amovibles
w vd. inserti

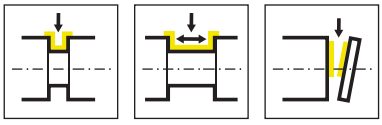
U

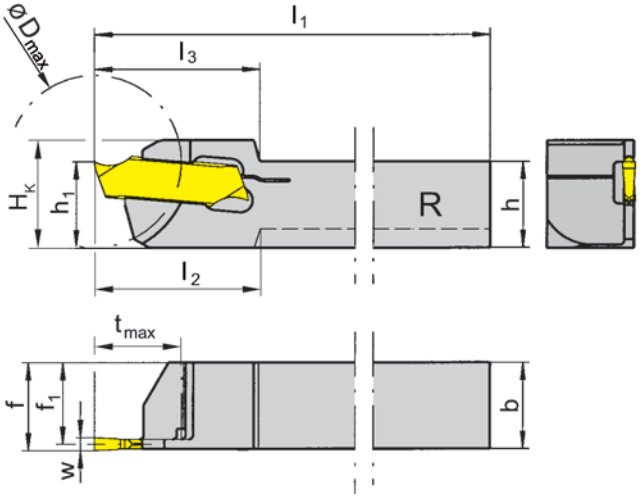
Pièces Détachées
Ricambi

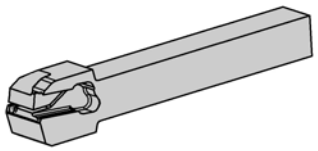
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH264...	**3.5.12T10EP**	**T10PL**

Porte outils
Portainserto

H264







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

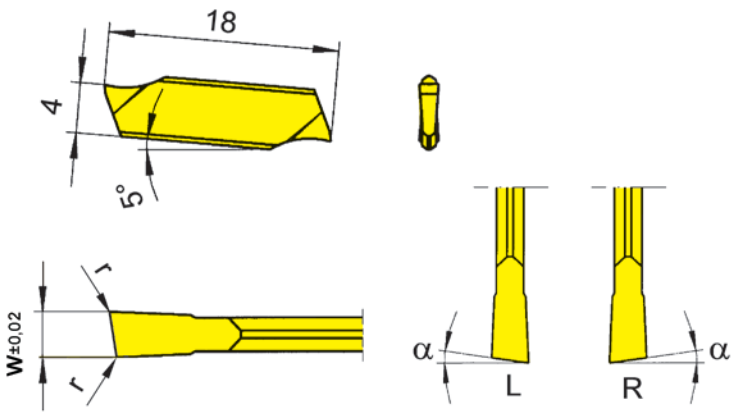
Numéro de commande Codice prodotto	h	b	l_1	l_2	l_3	h_1	f_1	f	t_{max}	D_{max}	H_K	HWS
RH264.0808.51	8	8	120	18	18	10	7,25	8	7	20	12,5	26401
RH264.1010.61	10	10	120	-	19	10	9,25	10	10	20	12,5	26401
RH264.1010.62	10	10	120	-	19	10	9	10	10	20	12,5	26402
RH264.1212.62	12	12	120	-	19	12	11	12	10	20	14,5	26402
RH264.1212.63	12	12	120	-	19	12	10,75	12	10	32	14,5	26403
LH264.0808.51	8	8	120	18	18	10	7,25	8	7	20	12,5	26401
LH264.1010.61	10	10	120	-	19	10	9,25	10	10	20	12,5	26401
LH264.1010.62	10	10	120	-	19	10	9	10	10	20	12,5	26402
LH264.1212.62	12	12	120	-	19	12	11	12	10	20	14,5	26402
LH264.1212.63	12	12	120	-	19	12	10,75	12	10	32	14,5	26403
LH264.1212.64	12	12	120	-	19	12	10,5	12	10	32	14,5	26404

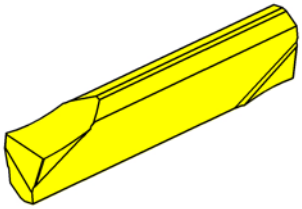
w voir plaquettes amovibles
w vd. inserti

La clé P39L n'est pas fournie avec le porte outils - à cder séparément!
La chiave P39L non viene fornita con la portainserto - bisogna ordinarla separatamente!

U

.10





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

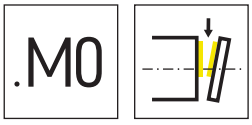
Δ 4 semaines
4 settimane

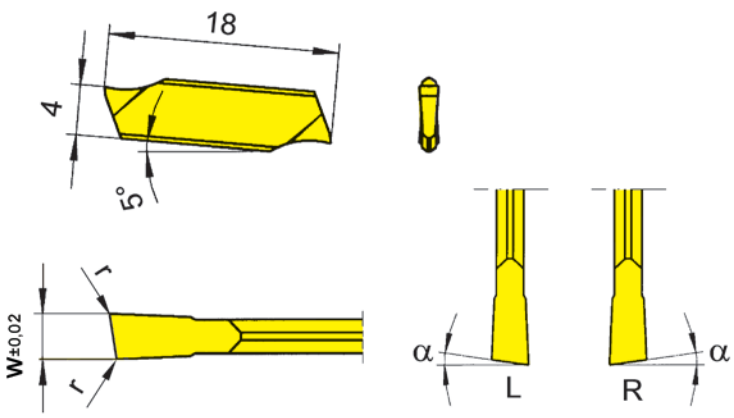
Numéro de commande Codice prodotto	w	r	α	HIS	Nuance Leghe MG12	TN35
R264.0815.10	1,5	0,05	8°	26401	▲	▲
R264.0820.10	2	0,05	8°	26402	▲	▲
R264.0825.10	2,5	0,1	8°	26403	Δ	▲
R264.0830.10	3	0,1	8°	26404	Δ	Δ
R264.1515.10	1,5	0,05	15°	26401	▲	▲
R264.1520.10	2	0,05	15°	26402	▲	▲
R264.1525.10	2,5	0,1	15°	26403	Δ	▲
R264.1530.10	3	0,1	15°	26404	Δ	▲
L264.0815.10	1,5	0,05	8°	26401	Δ	▲
L264.0820.10	2	0,05	8°	26402	Δ	▲
L264.0825.10	2,5	0,1	8°	26403	Δ	Δ
L264.0830.10	3	0,1	8°	26404	Δ	Δ
L264.1515.10	1,5	0,05	15°	26401	Δ	▲
L264.1520.10	2	0,05	15°	26402	Δ	▲
L264.1525.10	2,5	0,1	15°	26403	Δ	Δ
L264.1530.10	3	0,1	15°	26404	Δ	▲
					P o	●
					M -	●
					K -	●
					N -	●
					S -	●
					H -	-

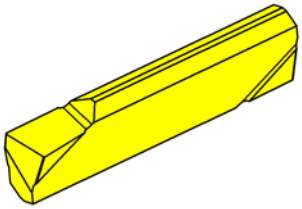
U

Plaquette amovible
Inserto

264







Nuance
Leghe

▲ en stock
a stock

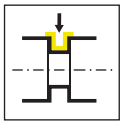
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	α	HIS	TN35
R264.0815.M0	1,5	0,05	8°	26401	▲
R264.0820.M0	2	0,05	8°	26402	▲
R264.0825.M0	2,5	0,1	8°	26403	Δ
R264.1515.M0	1,5	0,05	15°	26401	▲
R264.1520.M0	2	0,05	15°	26402	Δ
R264.1525.M0	2,5	0,1	15°	26403	▲
R264.1530.M0	3	0,1	15°	26404	▲
L264.0815.M0	1,5	0,05	8°	26401	▲
L264.0820.M0	2	0,05	8°	26402	Δ
L264.0825.M0	2,5	0,1	8°	26403	Δ
L264.1515.M0	1,5	0,05	15°	26401	Δ
L264.1520.M0	2	0,05	15°	26402	Δ
L264.1525.M0	2,5	0,1	15°	26403	Δ
L264.1530.M0	3	0,1	15°	26404	Δ

P	●
M	●
K	●
N	●
S	●
H	-

U

Porte outils
Portainserto
H274/H274...E



Page/Pag.
670, 677

Plaquette amovible
Inserto
S274/S274...E



Page/Pag.
671-672,
678-679



Page/Pag.
673-674,
680-681



Page/Pag.
675-676, 682-683

Informations technique
Informazioni tecniche

Page/Pag.
701

U

274



U

Porte outils et plaquettes

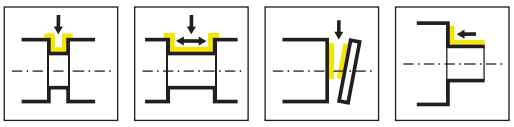
Largeur de gorge 0,5 - 3 mm

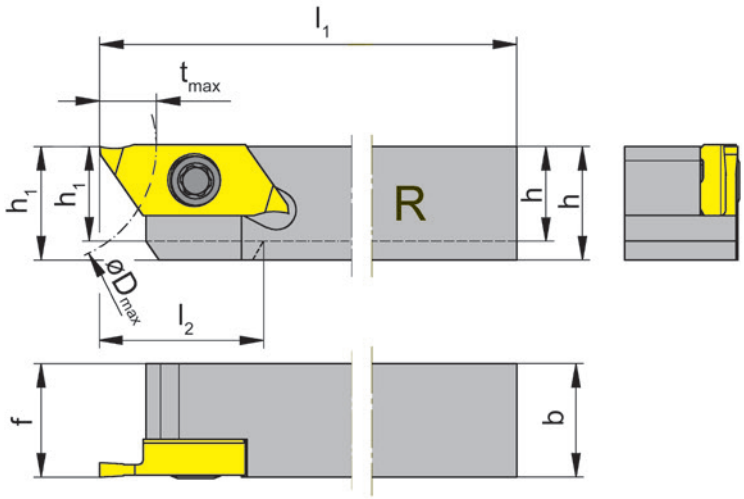
Portainserto e inserti

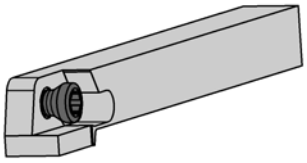
Larghezza della gola 0,5 - 3 mm

Porte outils
Portainserto

H274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

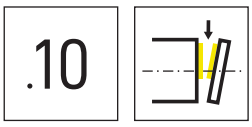
Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f	t_{max}	D_{max}	HWS
RH274.0808.04	8	8	100	16	8	8	6	25	274040R
RH274.1010.04	10	10	100	-	10	10	6	25	274040R
RH274.1212.04	12	12	100	-	12	12	6	25	274040R
RH274.1414.04	14	14	100	-	14	14	6	25	274040R
RH274.1616.04	16	16	125	-	16	16	6	25	274040R
RH274.2020.04	20	20	125	-	20	20	6	25	274040R
RH274.2525.04	25	25	125	-	25	25	6	25	274040R
LH274.0808.04	8	8	100	16	8	8	6	25	274040L
LH274.1010.04	10	10	100	-	10	10	6	25	274040L
LH274.1212.04	12	12	100	-	12	12	6	25	274040L
LH274.1414.04	14	14	100	-	14	14	6	25	274040L
LH274.1616.04	16	16	125	-	16	16	6	25	274040L
LH274.2020.04	20	20	125	-	20	20	6	25	274040L
LH274.2525.04	25	25	125	-	25	25	6	25	274040L

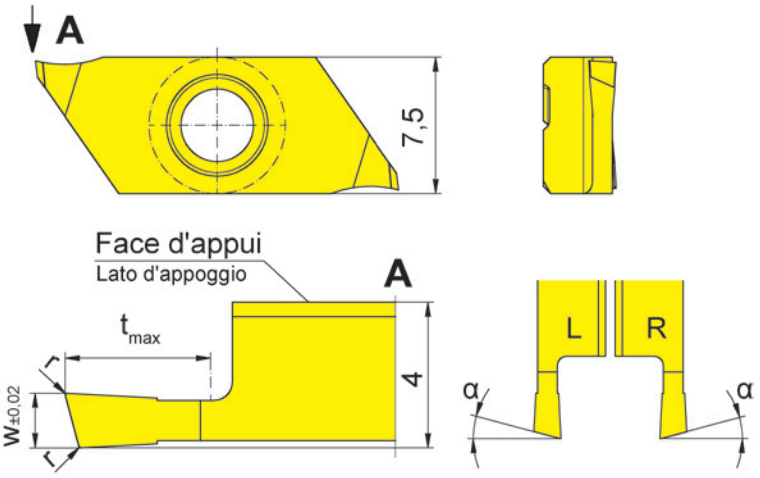
Pièces Détachées
Ricambi

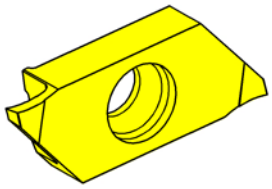
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH274.0808.04	**030.350P.0744**	**T15PQ**
R/LH274...	**030.3509.T15P**	**T15PQ**

Plaquette amovible
Inserto

S274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10	0,8	0,05	3	15°	274040R	▲	▲
RS274.1510.03.10	1	0,05	3	15°	274040R	▲	▲
RS274.1515.04.10	1,5	0,05	4	15°	274040R	▲	▲
RS274.1520.06.10	2	0,05	6	15°	274040R	▲	▲
LS274.1508.03.10	0,8	0,05	3	15°	274040L	▲	▲
LS274.1510.03.10	1	0,05	3	15°	274040L	▲	▲
LS274.1515.04.10	1,5	0,05	4	15°	274040L	▲	▲
LS274.1520.06.10	2	0,05	6	15°	274040L	▲	▲

tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

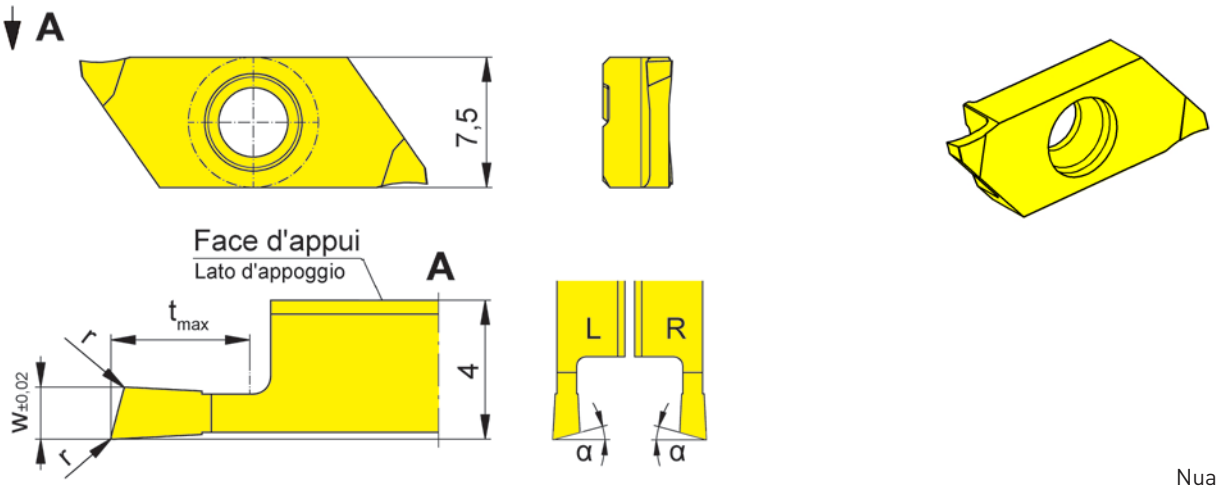
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

Plaquette amovible
Inserto

S274

.10



R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10L	0,8	0,05	3	15°	274040R	Δ	Δ
RS274.1510.03.10L	1	0,05	3	15°	274040R	Δ	Δ
RS274.1515.04.10L	1,5	0,05	4	15°	274040R	Δ	Δ
RS274.1520.06.10L	2	0,05	6	15°	274040R	Δ	▲
LS274.1508.03.10R	0,8	0,05	3	15°	274040L	▲	▲
LS274.1510.03.10R	1	0,05	3	15°	274040L	▲	▲
LS274.1515.04.10R	1,5	0,05	4	15°	274040L	▲	▲
LS274.1520.06.10R	2	0,05	6	15°	274040L	▲	▲

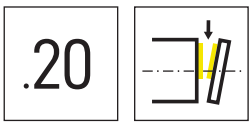
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

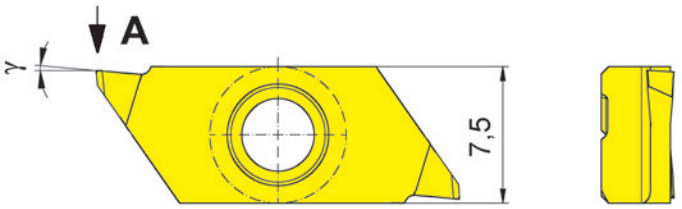
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

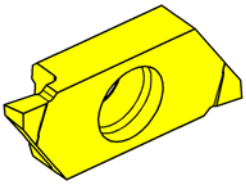
U

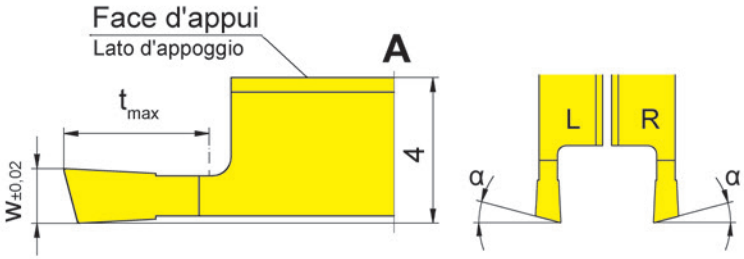
Plaquette amovible
Inserto

S274









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1515.04.20	1,5	4	15°	5°	274040R	Δ	Δ
RS274.1520.06.20	2	6	15°	5°	274040R	Δ	Δ
LS274.1515.04.20	1,5	4	15°	5°	274040L	Δ	Δ
LS274.1520.06.20	2	6	15°	5°	274040L	Δ	Δ

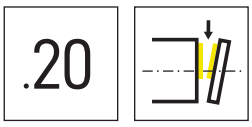
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

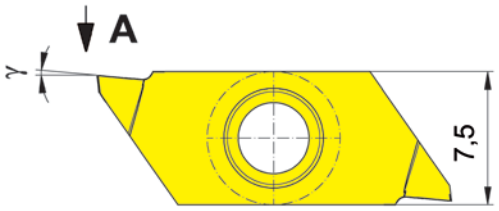
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

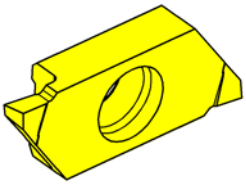
Plaquette amovible
Inserto

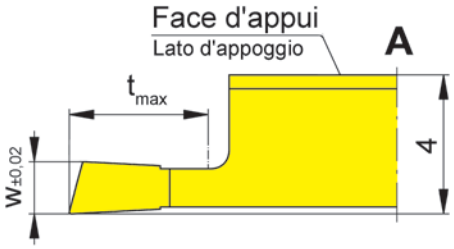
S274

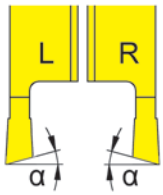












R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1515.04.20L	1,5	4	15°	5°	274040R	Δ	
RS274.1520.06.20L	2	6	15°	5°	274040R	Δ	Δ
LS274.1515.04.20R	1,5	4	15°	5°	274040L	Δ	Δ
LS274.1520.06.20R	2	6	15°	5°	274040L	Δ	Δ

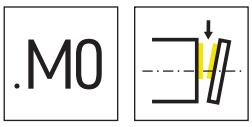
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

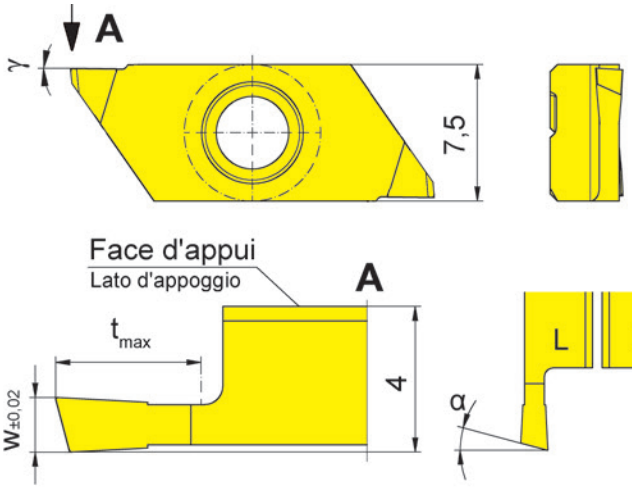
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

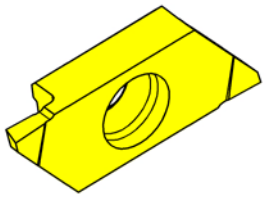
U

Plaquette amovible
Inserto

S274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.M0	0,8	3	15°	0°	274040R	Δ	Δ
RS274.1510.03.M0	1	3	15°	0°	274040R	Δ	▲
RS274.1515.04.M0	1,5	4	15°	0°	274040R	Δ	Δ
RS274.1520.06.M0	2	6	15°	0°	274040R	Δ	Δ
LS274.1508.03.M0	0,8	3	15°	0°	274040L	Δ	Δ
LS274.1510.03.M0	1	3	15°	0°	274040L	Δ	Δ
LS274.1515.04.M0	1,5	4	15°	0°	274040L	Δ	Δ
LS274.1520.06.M0	2	6	15°	0°	274040L	Δ	Δ

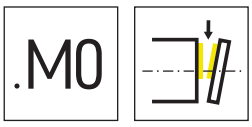
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

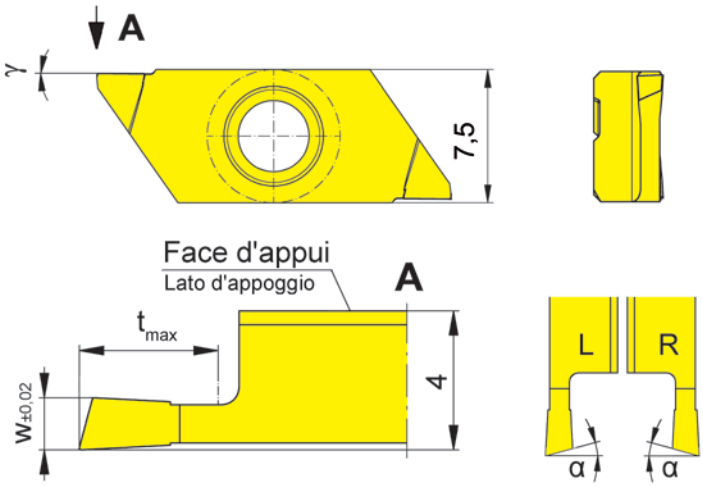
	IG35	TH35
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

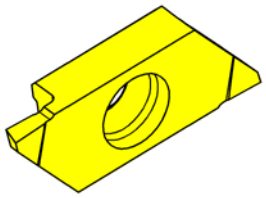
U

Plaquette amovible
Inserto

S274







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.M0L	0,8	3	15°	0°	274040R	Δ	
RS274.1510.03.M0L	1	3	15°	0°	274040R	Δ	
RS274.1515.04.M0L	1,5	4	15°	0°	274040R	Δ	Δ
RS274.1520.06.M0L	2	6	15°	0°	274040R	Δ	Δ
LS274.1508.03.M0R	0,8	3	15°	0°	274040L	Δ	▲
LS274.1510.03.M0R	1	3	15°	0°	274040L	Δ	Δ
LS274.1515.04.M0R	1,5	4	15°	0°	274040L	Δ	Δ
LS274.1520.06.M0R	2	6	15°	0°	274040L	Δ	Δ

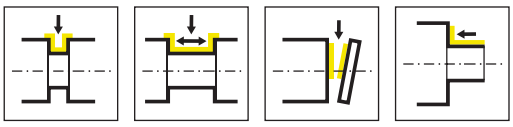
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

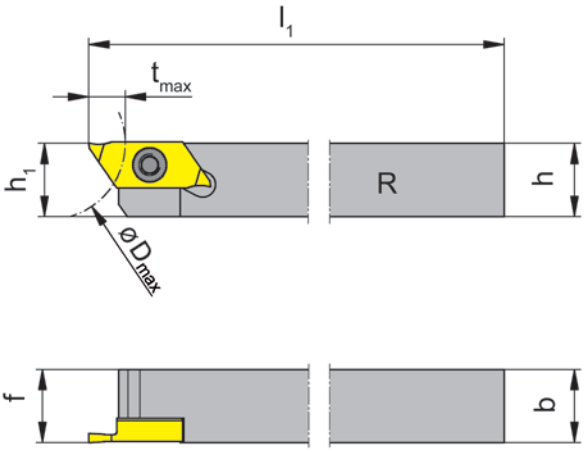
	IG35	TH35
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

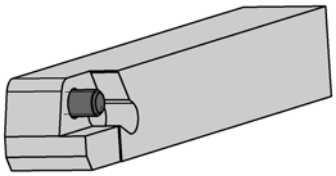
U

Porte outils
Portainserto

H274...E







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f	t_{max}	D_{max}	HWS
RH274.1010.04.E	10	10	100	10	10	6	25	274140R
RH274.1212.04.E	12	12	100	12	12	6	25	274140R
RH274.1616.04.E	16	16	125	16	16	6	25	274140R
RH274.2020.04.E	20	20	125	20	20	6	25	274140R
LH274.1010.04.E	10	10	100	10	10	6	25	274140L
LH274.1212.04.E	12	12	100	12	12	6	25	274140L
LH274.1616.04.E	16	16	125	16	16	6	25	274140L
LH274.2020.04.E	20	20	125	20	20	6	25	274140L

Pour le couple de serrage des vis, merci de vous reporter aux Informations Techniques.
Per il corretto serraggio dinamometrico del portainserto consultare le Informazioni Tecniche.

U

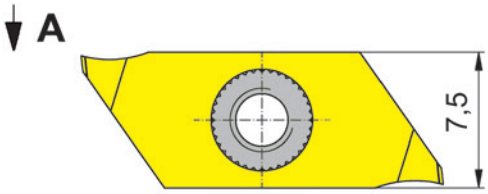
Pièces Détachées
Ricambi

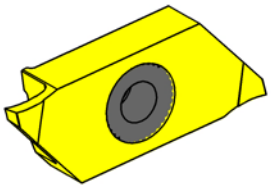
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH274...	**030.3509.T15P**	**T15PQ**

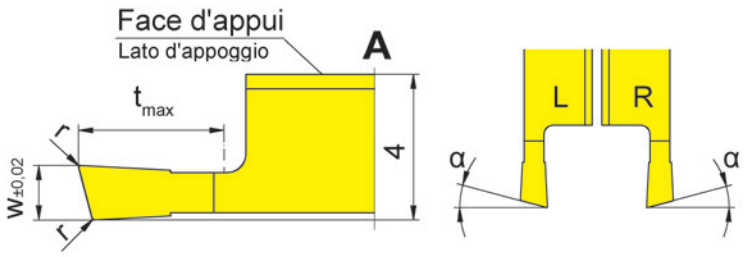
Plaquette amovible
Inserto

S274...E

.10







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.10.E	0,8	0,05	3	15°	274140R	Δ	Δ
RS274.1510.03.10.E	1	0,05	3	15°	274140R	Δ	Δ
RS274.1515.04.10.E	1,5	0,05	4	15°	274140R	Δ	Δ
RS274.1520.06.10.E	2	0,05	6	15°	274140R	Δ	Δ
LS274.1508.03.10.E	0,8	0,05	3	15°	274140L	Δ	Δ
LS274.1510.03.10.E	1	0,05	3	15°	274140L	Δ	Δ
LS274.1515.04.10.E	1,5	0,05	4	15°	274140L	Δ	
LS274.1520.06.10.E	2	0,05	6	15°	274140L	Δ	Δ

tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

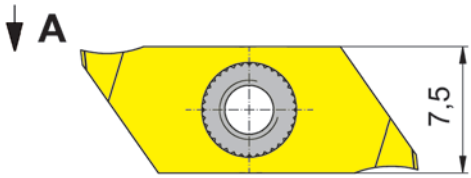
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

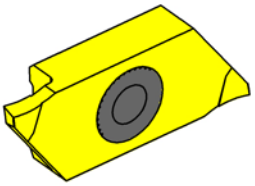
Plaquette amovible
Inserto

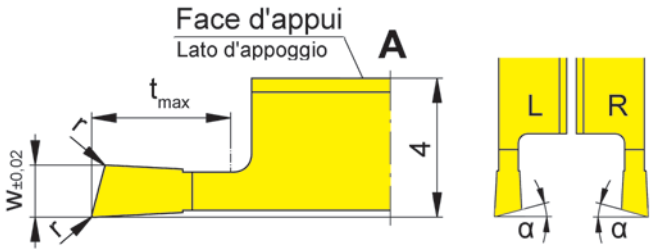
S274...E

.10









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	α	HIS	IG35	TH35
RS274.1508.03.1L.E	0,8	0,05	3	15°	274140R	Δ	Δ
RS274.1510.03.1L.E	1	0,05	3	15°	274140R	Δ	Δ
RS274.1515.04.1L.E	1,5	0,05	4	15°	274140R	Δ	Δ
RS274.1520.06.1L.E	2	0,05	6	15°	274140R	Δ	Δ
LS274.1508.03.1R.E	0,8	0,05	3	15°	274140L	Δ	Δ
LS274.1510.03.1R.E	1	0,05	3	15°	274140L	Δ	Δ
LS274.1520.06.1R.E	2	0,05	6	15°	274140L	Δ	Δ

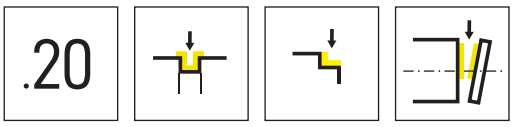
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

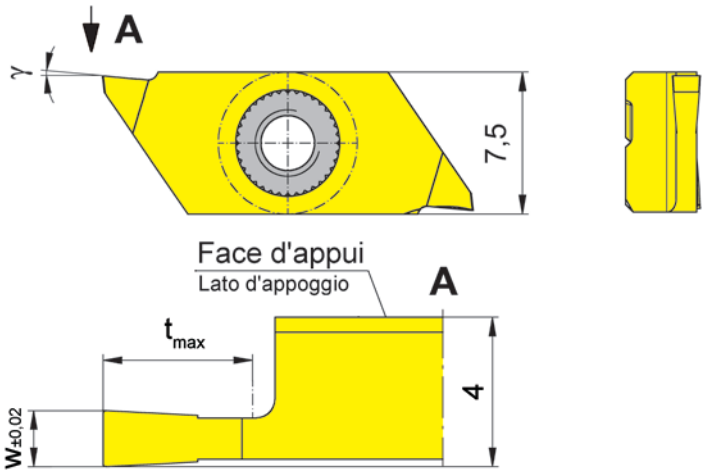
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

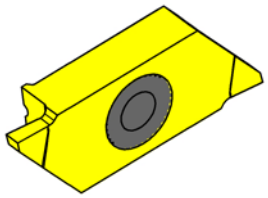
U

Plaquette amovible
Inserto

S274...E







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	w	t_{max}	γ	HIS	IG35	TH35
RS274.0150.04.20.E	1,5	4	5°	274140R	Δ	
RS274.1520.06.20.E	2	6	5°	274140R	Δ	
LS274.0150.04.20.E	1,5	4	5°	274140L	Δ	Δ
LS274.1520.06.20.E	2	6	5°	274140L	Δ	Δ

tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

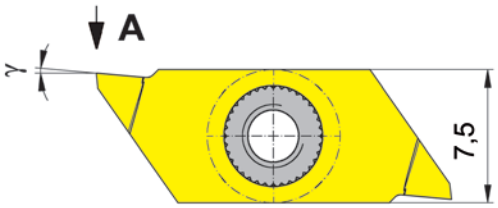
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

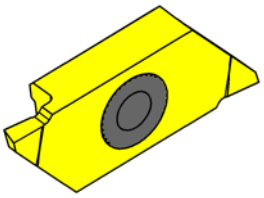
Plaquette amovible
Inserto

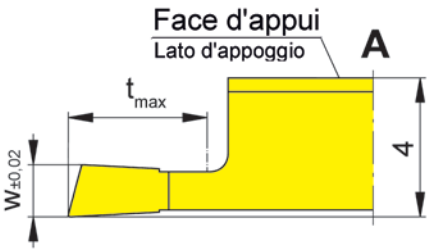
S274...E

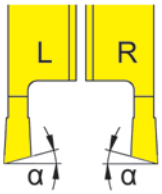
.20











R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1515.04.2L.E	1,5	4	15°	5°	274140R	Δ	Δ
RS274.1520.06.2L.E	2	6	15°	5°	274140R	Δ	Δ
LS274.1515.04.2R.E	1,5	4	15°	5°	274140L	Δ	Δ
LS274.1520.06.2R.E	2	6	15°	5°	274140L	Δ	Δ

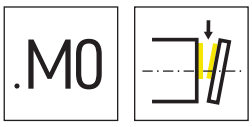
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

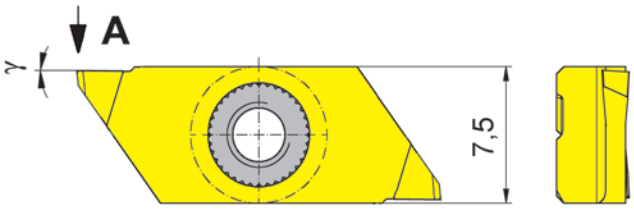
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

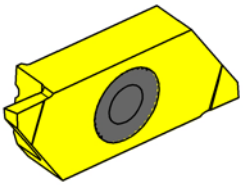
U

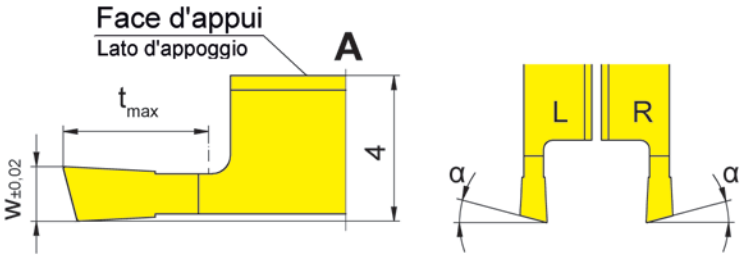
Plaquette amovible
Inserto

S274...E









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	Nuance Leghe IG35	TH35
RS274.1508.03.M0.E	0,8	3	15°	0°	274140R	Δ	Δ
RS274.1510.03.M0.E	1	3	15°	0°	274140R	Δ	Δ
RS274.1515.04.M0.E	1,5	4	15°	0°	274140R	Δ	Δ
RS274.1520.06.M0.E	2	6	15°	0°	274140R	Δ	Δ
LS274.1508.03.M0.E	0,8	3	15°	0°	274140L	Δ	Δ
LS274.1510.03.M0.E	1	3	15°	0°	274140L	Δ	Δ
LS274.1515.04.M0.E	1,5	4	15°	0°	274140L	Δ	Δ
LS274.1520.06.M0.E	2	6	15°	0°	274140L	Δ	Δ

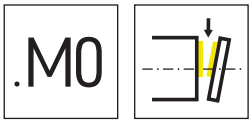
tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

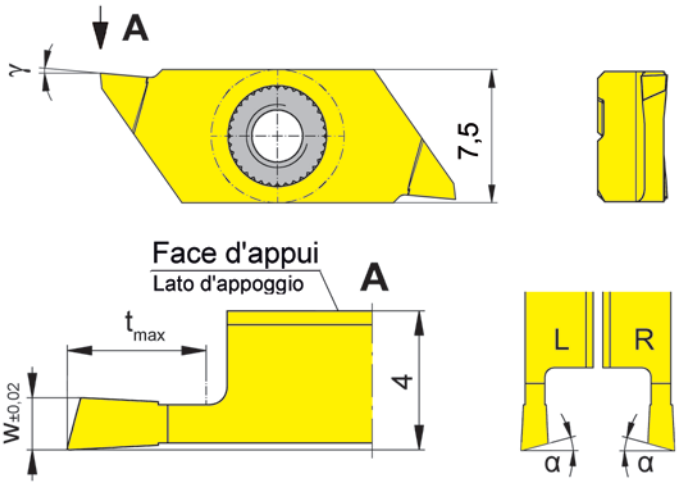
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

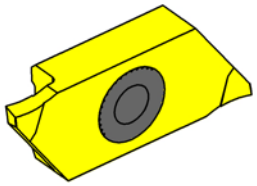
U

Plaquette amovible
Inserto

S274...E







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

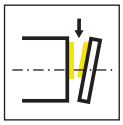
Numéro de commande Codice prodotto	w	t_{max}	α	γ	HIS	IG35	TH35
RS274.1508.03.ML.E	0,8	3	15°	0°	274140R	Δ	Δ
RS274.1510.03.ML.E	1	3	15°	0°	274140R	Δ	Δ
RS274.1515.04.ML.E	1,5	4	15°	0°	274140R	Δ	Δ
RS274.1520.06.ML.E	2	6	15°	0°	274140R	Δ	Δ
LS274.1508.03.MR.E	0,8	3	15°	0°	274140L	Δ	
LS274.1510.03.MR.E	1	3	15°	0°	274140L	Δ	Δ
LS274.1515.04.MR.E	1,5	4	15°	0°	274140L	Δ	Δ
LS274.1520.06.MR.E	2	6	15°	0°	274140L	Δ	Δ

tmax 6 mm ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 25 mm.
tmax 6 mm può essere raggiunta solo lavorando pezzi con diam. Ø ⩽ 25 mm.

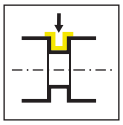
	IG35	TH35
P	-	●
M	●	●
K	-	●
N	-	●
S	●	●
H	-	-

U

Porte outils
Portainserto
368/391



Page/Pag.
686-687



Page/Pag.
688

Plaquette amovible
Inserto
312/S312



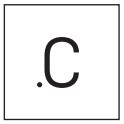
Page/Pag.
689



Page/Pag.
690



Page/Pag.
691



Page/Pag.
692-693



Page/Pag.
694



Page/Pag.
695

Informations technique
Informazioni tecniche

Page/Pag.
701

U

312



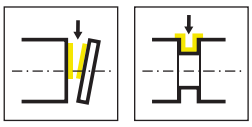
U

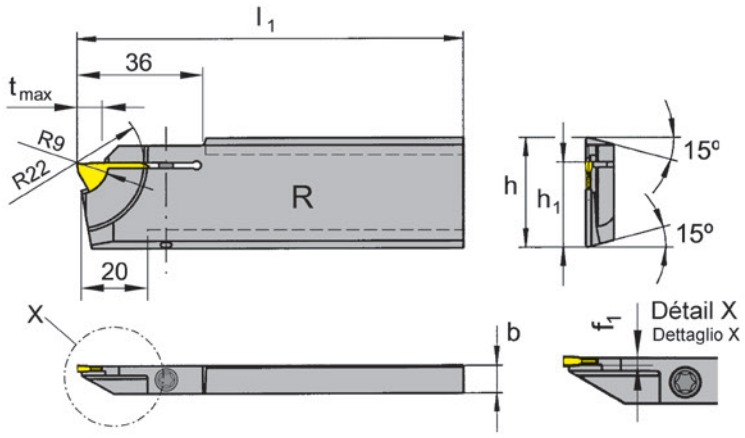
Porte outils et plaquettes

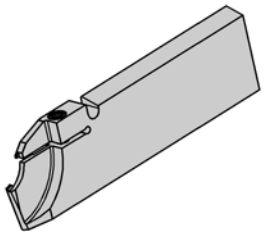
Largeur de gorge 0,5 - 3 mm

Portainserto e inserti

Larghezza della gola 0,5 - 3 mm







R = version à droite représentée
R = versione destra come in figura

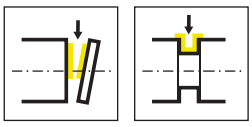
L = version à gauche
L = versione sinistra a specchio

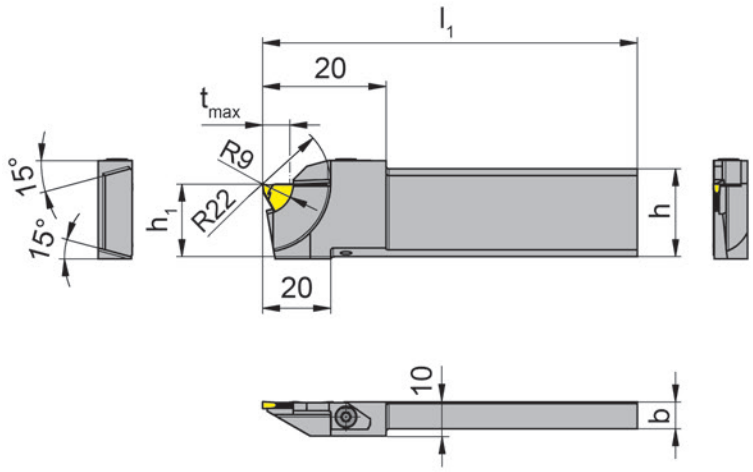
Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	HWS
R368.2608.08	26	8	110	21,4	1	8	31208N
R368.3208.08	32	8	110	24,8	1	8	31208N
R368.2608.11	26	8	110	21,4	1,3	8	31211N
R368.3208.11	32	8	110	24,8	1,3	8	31211N
L368.2608.08	26	8	110	21,4	1	8	31208N
L368.3208.08	32	8	110	24,8	1	8	31208N
L368.2608.11	26	8	110	21,4	1,3	8	31211N
L368.3208.11	32	8	110	24,8	1,3	8	31211N

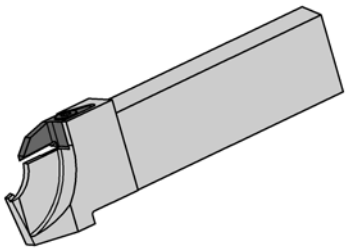
U

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L368...	**4.15T15P**	**T15PQ**







R = version à droite représentée
R = versione destra come in figura

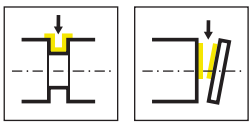
L = version à gauche
L = versione sinistra a specchio

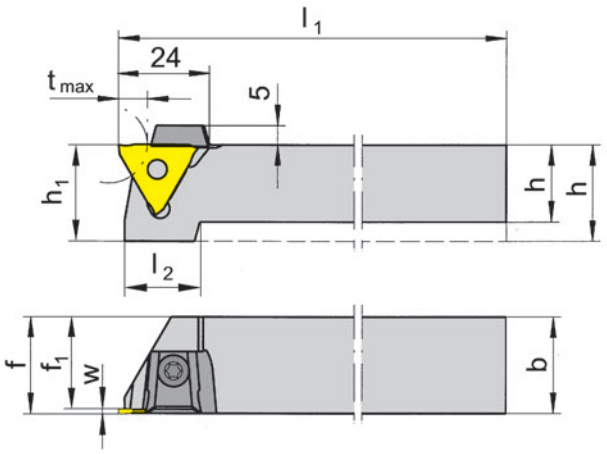
Numéro de commande Codice prodotto	h	b	l_1	h_1	HWS
R368.2608.10.01	26	8	110	21,2	31208N
L368.2608.10.01	26	8	110	21,2	31208N

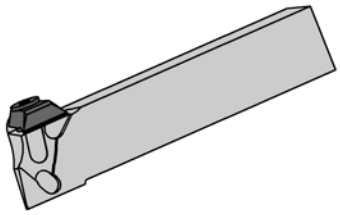
U

Pièces Détachées
Ricambi

Porte outils Portainserto	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L368.2608.10.01	**010.0004.0536**	**T10PL**







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	l_2	h_1	f_1	f	t_{max}	HWS
R391.1212.01	12	12	100	21	21	10,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
R391.1616.01	16	16	125	21	21	14,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
R391.2020.01	20	20	125	21	21	18,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
R391.2525.01	25	25	150	-	25	23,8	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
L391.1212.01	12	12	100	21	21	10,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
L391.1616.01	16	16	125	21	21	14,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
L391.2020.01	20	20	125	21	21	18,5	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N
L391.2525.01	25	25	150	-	25	23,8	f_1+w-a_1	8	31201N • 31201R • 31201L • 31208N • 31211N

w, a1 voir plaquettes amovibles
w, a1 vd. inserti

tmax ne peux être atteint seulement avec un diamètre de pièce Ø ⩽ 20 mm
tmax può essere raggiunta solo lavorando pezzi Ø ⩽ 20 mm

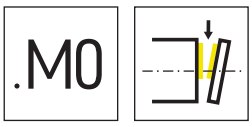
U

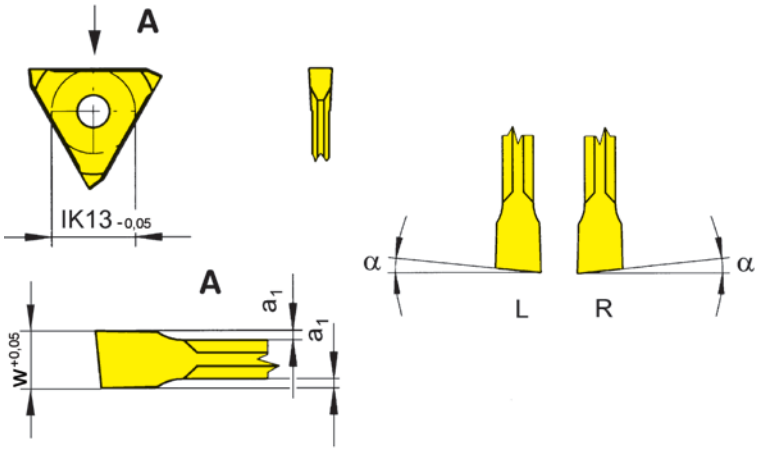
Pièces Détachées
Ricambi

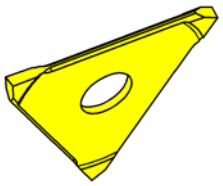
Porte outils Portainserto	**Bride** Staffa	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/L391.1212.01	**12.3**	**T10PL**
R/L391.1616.01	**14.4**	**T15PQ**
R/L391....	**16.4**	

Plaquette amovible
Inserto

312







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

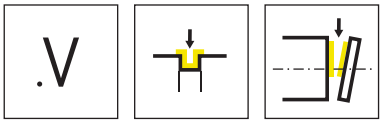
Δ 4 semaines
4 settimane

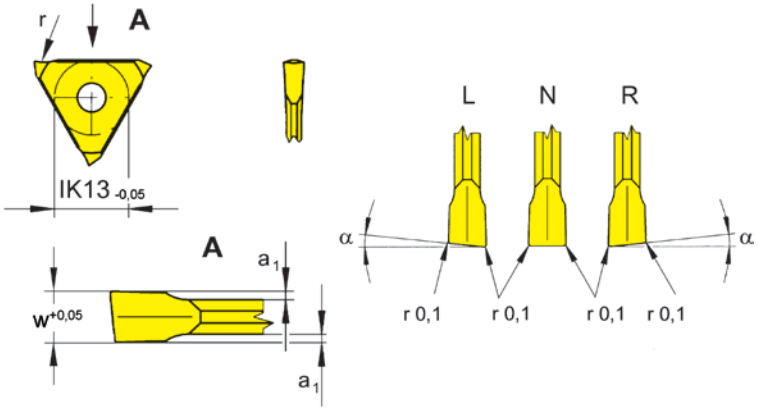
Numéro de commande Codice prodotto	w	t_{max}	α	a_1	HIS	Nuance Leghe EG35	TF45
R312.0512.M0	1,2	8	5°	0,2	31208N	▲	▲
R312.0515.M0	1,5	8	5°	0,2	31211N	▲	▲
L312.0512.M0	1,2	8	5°	0,2	31208N		▲
L312.0515.M0	1,5	8	5°	0,2	31211N	Δ	▲
						P ●	●
						M ●	●
						K o	●
						N -	●
						S -	●
						H -	-

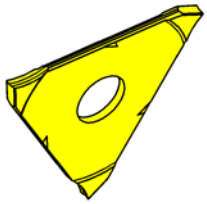
U

Plaquette amovible
Inserto

312







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

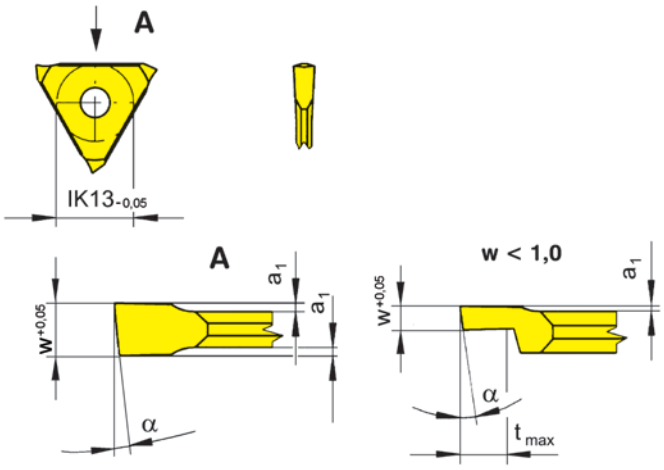
Numéro de commande Codice prodotto	w	α	a_1	HIS	Nuance Leghe	EG35	TF45	TH35
R312.0512.V1	1,2	5°	0,2	31208N		▲	▲	
R312.0515.V1	1,5	5°	0,2	31211N		▲	▲	
R312.0520.V2	2	5°	0,2	31201N		▲		▲
L312.0512.V1	1,2	5°	0,2	31208N		▲	▲	
L312.0515.V1	1,5	5°	0,2	31211N		▲	▲	
L312.0520.V2	2	5°	0,2	31201N		▲		▲
312.0012.V1	1,2	0°	0,2	31208N		▲	▲	
312.0015.V1	1,5	0°	0,2	31211N		▲	▲	
					P	●	●	●
					M	●	●	●
					K	o	●	●
					N	-	●	●
					S	-	●	●
					H	-	-	-

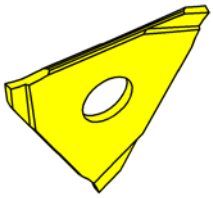
U

Plaquette amovible
Inserto

312

.00





R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

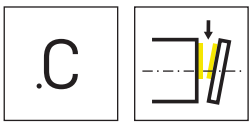
Δ 4 semaines
4 settimane

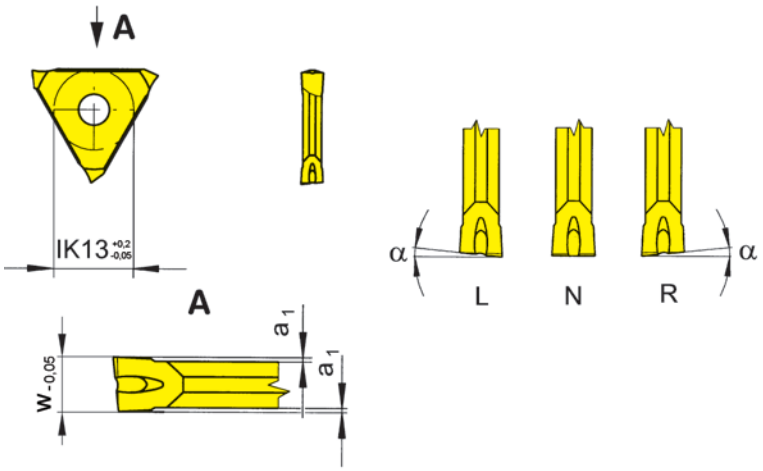
Numéro de commande Codice prodotto	w	t_{max}	α	a_1	HIS		EG35	TF45	TF46	TI25	TN35
R312.0805.00	0,5	1	8°	0,1	31208N		▲	▲			
R312.0808.00	0,8	1,5	8°	0,1	31208N		▲	▲			
R312.0510.00	1	8	5°	0,1	31208N		▲	▲			
R312.1210.00	1	8	12°	0,1	31208N		▲	▲			
R312.0512.00	1,2	8	5°	0,2	31208N		▲	▲			
R312.0614.00	1,44	-	6°	0,2	31201N		▲	▲	▲	▲	▲
R312.0515.00	1,5	8	5°	0,2	31211N		▲	▲			
L312.0805.00	0,5	1	8°	0,1	31208N		▲	▲			
L312.0808.00	0,8	1,5	8°	0,1	31208N		▲	▲			
L312.0510.00	1	8	5°	0,1	31208N		▲	▲			
L312.1210.00	1	8	12°	0,1	31208N		▲	▲			
L312.0512.00	1,2	8	5°	0,2	31208N		▲	▲			
L312.0614.00	1,44	-	6°	0,2	31201N		▲	▲	Δ	▲	▲
L312.0515.00	1,5	8	5°	0,2	31211N		▲	▲			
						P	●	●	●	●	●
						M	●	●	o	●	●
						K	o	●	●	●	●
						N	-	●	●	●	●
						S	-	●	o	●	●
						H	-	-	-	-	-

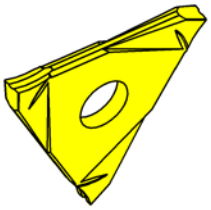
U

Plaquette amovible
Inserto

312







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

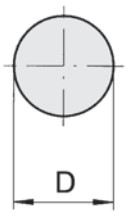
▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	α	a_1	HIS	P20	EG55	TF45	TN32	TN35
R312.0514.00	1,44	5°	0,2	31201N • 31202N • 31201L • 31202L	Δ	Δ	▲		
R312.0518.00	1,99	5°	0,2	31202N • 31202L	▲	▲		▲	▲
R312.0521.00	2,29	5°	0,2	31202N • 31202L	Δ	▲		▲	▲
L312.0514.00	1,44	5°	0,2	31201N • 31202N • 31201L • 31202L	Δ	Δ	Δ		
L312.0518.00	1,99	5°	0,2	31202N • 31202L	▲	▲		▲	▲
L312.0521.00	2,29	5°	0,2	31202N • 31202L	▲	Δ		▲	▲
N312.0014.00	1,44	0°	0,2	31201N • 31202N • 31202N		▲	▲		
N312.0018.00	1,99	0°	0,2	31202N		▲	▲	Δ	Δ
N312.0021.00	2,29	0°	0,2	31202N	Δ				▲
P					●	●	●	●	●
M					-	o	●	-	●
K					-	o	●	-	●
N					-	-	●	-	●
S					-	-	●	-	●
H					-	-	-	-	-

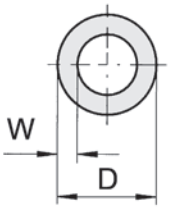
Usinage extér.
pour le porte outil type 360 utiliser une plaquette droite pour un porte outil à gauche et une plaquette gauche pour un porte outil à droite
Lavorazione esterna:
per portainserto tipo 360 utilizzare inserto destro su portainserto sinistro e inserto sinistro su portainserto destro

Tronçonnage de barre
Troncatura di barre piene



D 50 jusqu'à/fino a 11 mm

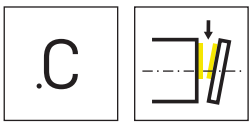
Tronçonnage de tube
Troncatura di tubi

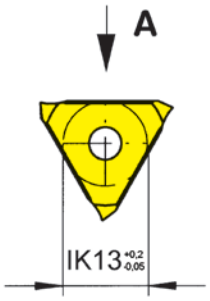


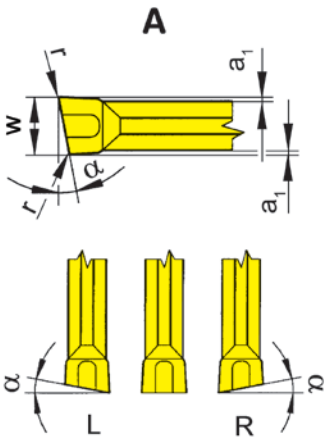
D ≥50 jusqu'à/fino a W≈5 mm
D≤ 50 jusqu'à/fino a W≈4 mm

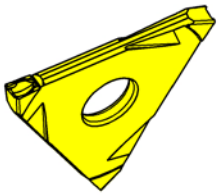
Plaquette amovible
Inserto

S312









R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

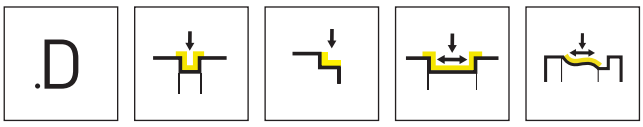
Δ 4 semaines
4 settimane

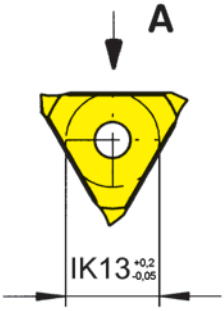
Numéro de commande Codice prodotto	w	r	α	a_1	HIS		EG55	TF46	T125
RS312.0520.C2	2	0,2	5°	0,25	31202N		▲	▲	▲
RS312.0525.C2	2,5	0,2	5°	0,25	31202N		Δ	▲	▲
RS312.0530.C2	3	0,2	5°	0,25	31203N		Δ	Δ	▲
LS312.0520.C2	2	0,2	5°	0,25	31202N		▲	Δ	▲
LS312.0525.C2	2,5	0,2	5°	0,25	31202N			Δ	▲
LS312.0530.C2	3	0,2	5°	0,25	31203N		Δ		Δ
S312.0200.C2	2	0,2	0°	0,25	31202N		▲	▲	▲
S312.0250.C2	2,5	0,2	0°	0,25	31202N		▲	Δ	▲
S312.0300.C2	3	0,2	0°	0,25	31203N		Δ	Δ	Δ
						P	●	●	●
						M	o	o	●
						K	o	●	●
						N	-	●	●
						S	-	o	●
						H	-	-	-

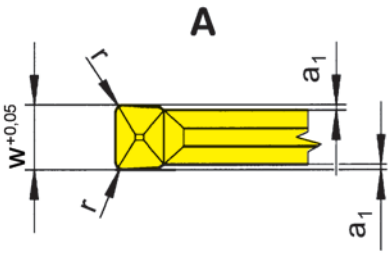
U

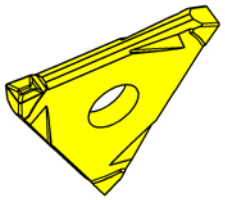
Plaquette amovible
Inserto

S312









Nuance
Leghe

▲ en stock
a stock

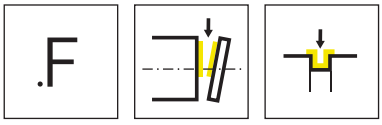
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	a_1	HIS		AS62	AS66	EG56	TF45	TF46	TI25	TN32
S312.0200.D2	2	0,2	0,25	31202N		▲	▲	▲	Δ	▲	▲	▲
S312.0200.D4	2	0,4	0,25	31202N		▲	▲	▲	Δ	Δ	▲	
S312.0250.D2	2,5	0,2	0,25	31202N		▲	▲	▲	▲	▲	▲	▲
S312.0250.D4	2,5	0,4	0,25	31202N		▲	▲	▲	▲	▲	▲	▲
S312.0300.D2	3	0,2	0,25	31203N		Δ	▲	▲	▲	▲	▲	▲
S312.0300.D4	3	0,4	0,25	31203N		▲	▲	▲	Δ	Δ	Δ	
					P	●	●	●	●	●	●	●
					M	-	o	o	●	o	●	-
					K	-	●	o	●	●	●	-
					N	-	●	-	●	●	●	-
					S	-	o	-	●	o	●	-
					H	-	-	-	-	-	-	-

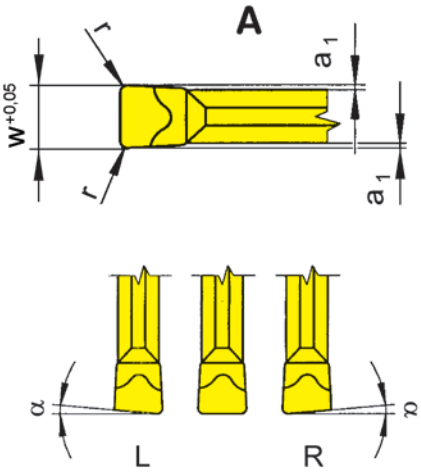
U

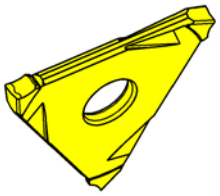
Plaquette amovible
Inserto

S312









R = version à droite
R = versione destra

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

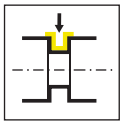
▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	α	a_1	HIS		EG56	TF45	TF46	T125
RS312.0520.F2	2	0,2	5°	0,25	31202N		Δ		▲	▲
RS312.0525.F2	2,5	0,2	5°	0,25	31202N		▲		▲	▲
LS312.0520.F2	2	0,2	5°	0,25	31202N		Δ		Δ	▲
LS312.0525.F2	2,5	0,2	5°	0,25	31202N		Δ			▲
S312.0200.F2	2	0,2	0°	0,25	31202N		▲	Δ	▲	▲
S312.0250.F2	2,5	0,2	0°	0,25	31202N		Δ	Δ	▲	▲
						P	●	●	●	●
						M	o	●	o	●
						K	o	●	●	●
						N	-	●	●	●
						S	-	●	o	●
						H	-	-	-	-

U

Porte outils
Portainserto
H316



Page/Pag.
698

Plaquette amovible
Inserto
S316



Page/Pag.
699

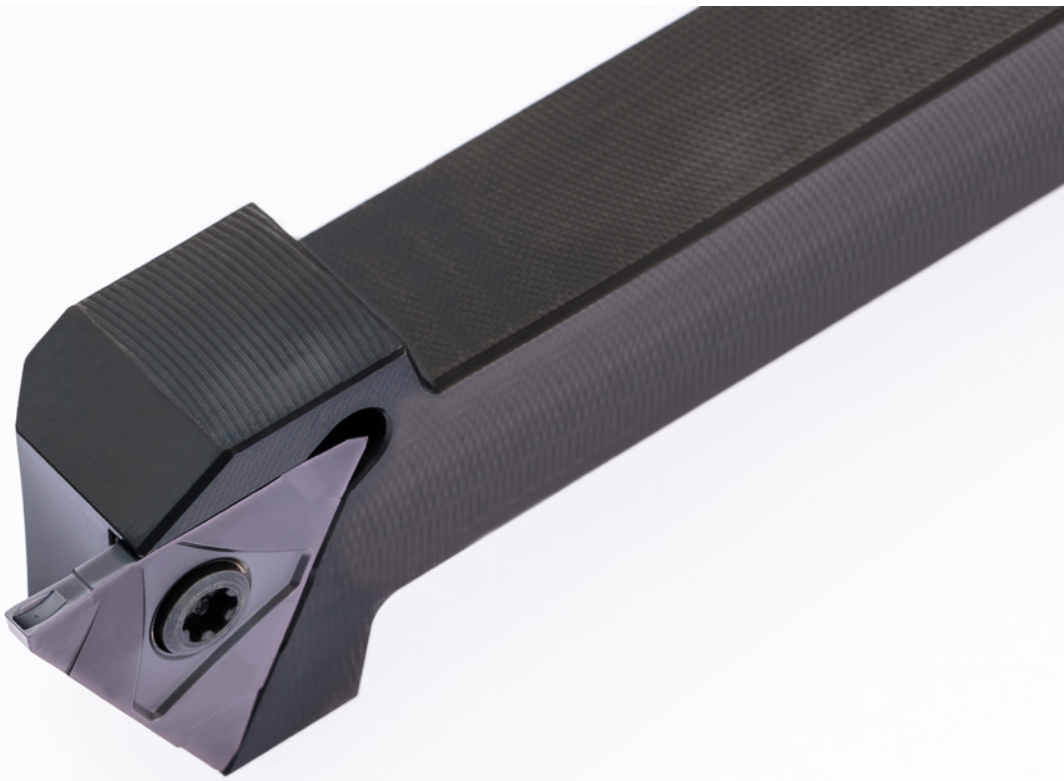


Page/Pag.
700

Informations technique
Informazioni tecniche

Page/Pag.
701

316



U

Porte outils et plaquettes

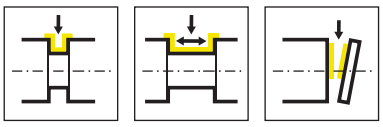
Largeur de gorge 2 - 3 mm

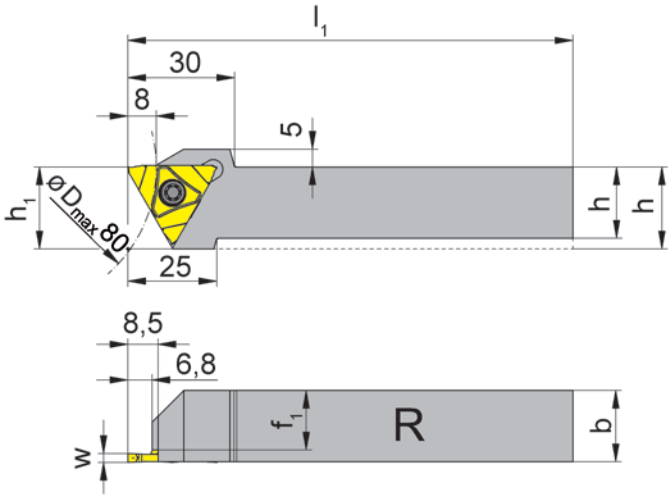
Portainserto e inserti

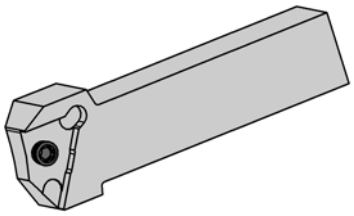
Larghezza della gola 2 - 3 mm

Porte outils
Portainserto

H316







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Numéro de commande Codice prodotto	h	b	l_1	h_1	f_1	t_{max}	HWS
RH316.1616.S3.03	16	16	125	23	12,7	8	S31603R
RH316.2020.S3.03	20	20	125	23	16,7	8	S31603R
RH316.2525.S3.03	25	25	150	25	21,7	8	S31603R
RH316.3225.S3.03	32	25	150	32	21,7	8	S31603R
LH316.1616.S3.03	16	16	125	23	12,7	8	S31603L
LH316.2020.S3.03	20	20	125	23	16,7	8	S31603L
LH316.2525.S3.03	25	25	150	25	21,7	8	S31603L
LH316.3225.S3.03	32	25	150	32	21,7	8	S31603L

w voir plaquettes amovibles
w vd. inserti

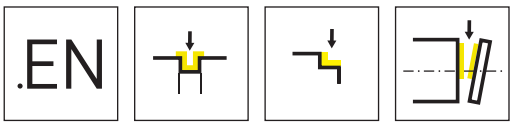
U

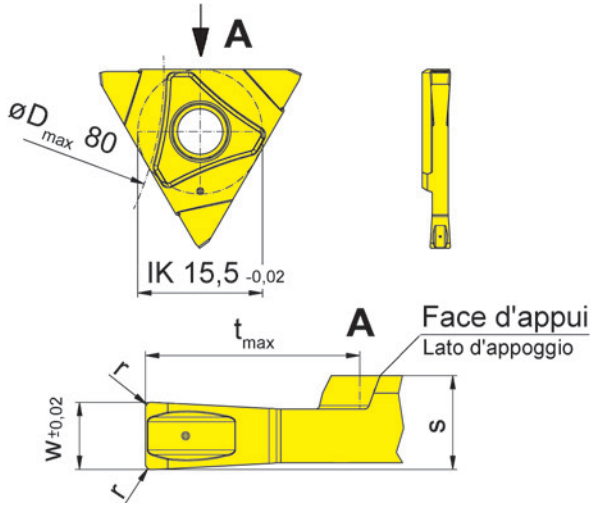
Pièces Détachées
Ricambi

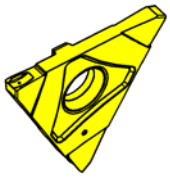
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
R/LH316...	**5.12T20P**	**T20PQ**

Plaquette amovible
Inserto

S316







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	AS6G
RS316.0200.EN2	2	0,2	8	3,5	S31603R	▲
RS316.0250.EN2	2,5	0,2	8	3,5	S31603R	▲
RS316.0300.EN2	3	0,2	8	3,5	S31603R	Δ
LS316.0200.EN2	2	0,2	8	3,5	S31603L	▲
LS316.0250.EN2	2,5	0,2	8	3,5	S31603L	▲
LS316.0300.EN2	3	0,2	8	3,5	S31603L	▲

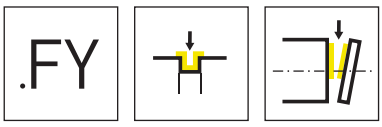
Usinage extér.
Utilisez des plaquettes à droite avec des porte outils à droite et des plaquettes à gauche avec des porte outils à gauche.
Lavorazione esterna:
Utilizzare inserto destro su portainserto destro e inserto sinistro su portainserto sinistro.

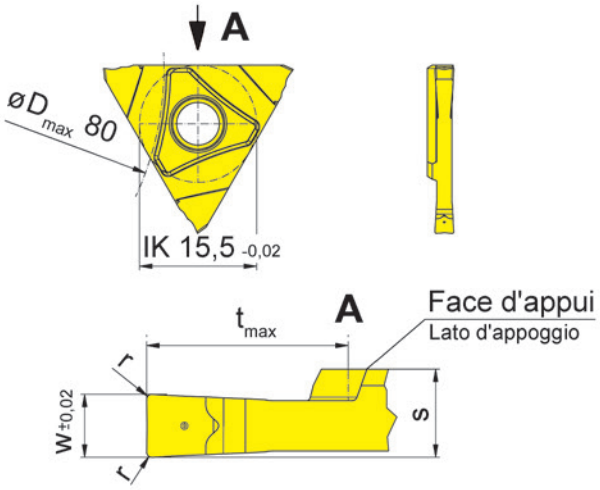
P	●
M	●
K	●
N	●
S	●
H	-

U

Plaquette amovible
Inserto

S316







R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	t_{max}	s	HIS	T125
RS316.0150.FY1	1,5	0,1	8	3,3	S31603R	▲
RS316.0200.FY2	2	0,2	8	3,5	S31603R	▲
RS316.0250.FY2	2,5	0,2	8	3,5	S31603R	▲
RS316.0300.FY2	3	0,2	8	3,5	S31603R	▲
LS316.0150.FY1	1,5	0,1	8	3,3	S31603L	▲
LS316.0200.FY2	2	0,2	8	3,5	S31603L	▲
LS316.0250.FY2	2,5	0,2	8	3,5	S31603L	Δ
LS316.0300.FY2	3	0,2	8	3,5	S31603L	Δ

P	●
M	●
K	●
N	●
S	●
H	-

U

Plaquettes avec une arête de coupe neutre
Dans la mesure du possible, il est préférable d'utiliser une plaquette avec une arête de coupe neutre.
Avantages :
- durée de vie plus longue de l'outil
- meilleur contrôle des copeaux et meilleure état de surface
- possibilité d'usiner avec des paramètres maximums

Inserti con tagliente neutro
Laddove sia possibile è preferibile l`utilizzo di un inserto con tagliente neutro.
Avanzamenti:
- maggior vita utensile
- miglior controllo trucioli e miglior qualità superficiale
- possibilità di lavorare al massimo dei parametri

Avances
Avec une plaquette ayant un angle de coupe, l`avance devra réduit être réduite d`environ 40%.
Cela peut aussi être sous l`influence de la matière à tronçonner.

Avanzamenti
Quando si lavora con un angolo del tagliente inclinato (inserti R o L) l`avanzamento dovrà essere ridotto fino al 40%.
Questo può anche essere influenzato dalla tenacità del materiale da lavorare.

Contrôle du copeau
Le meilleur contrôle copeau et obtenu en choisissant la vitesse et l`avance la plus appropriée.

Controllo truciolo
Il miglior controllo truciolo e la miglior qualità superficiale si ottengono utilizzando le giuste velocità di taglio ed avanzamenti.

Éviter les bavures
L'utilisation de plaquettes droites ou gauches et d'une hauteur de centre correcte permet de réduire l'apparition d'un téton ou d'une bavure.

Evitare bave
L'utilizzo di inserti destri e sinistri e la corretta altezza del tagliente consente di ridurre la creazione di bave.

Tronçonnage avec contre broche
L`arrête sera protégée par l`utilisation d`un récuperateur de pièce.
Au moment de la séparation de la pièce il faut réduire l`avance jusqu`au centre.

Troncatura con contromandrino o sistema di presa pezzo
Il tagliente rimane protetto se si utilizza un contromandrino o un attrezzo per raccogliere il pezzo. Per la troncatura senza un supporto è necessario ridurre l`avanzamento quando ci si avvicina al centro barra.

Surfaces concaves ou convexes
Des surfaces convexes ou concaves seront évitées en utilisant des plaquettes à droites ou à gauches et en réduisant l`avance.

Superfici concave o convesse
Superfici concave o convesse si possono evitare utilizzando un inserto o destro o sinistro e riducendo l`avanzamento.

Arrosages
L`utilisation d`un lubrifiant améliore la durée de vie de l`outil.

Refrigerante
Un abbondante e ben diretto getto di refrigerante incrementa la vita utensile.

VDI



Adaptateur VDI ISO 10889-1 et corps d'outils carrés avec alimentation interne en liquide de refroidissement

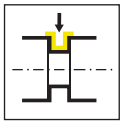
Adattatore V DI ISO 10889-1 per la lubrificazione interna

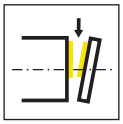
V

Gorge et Tronçonnage
Gole e Troncatura

Informations techniques
Informazioni tecniche
Page/Pag. 705

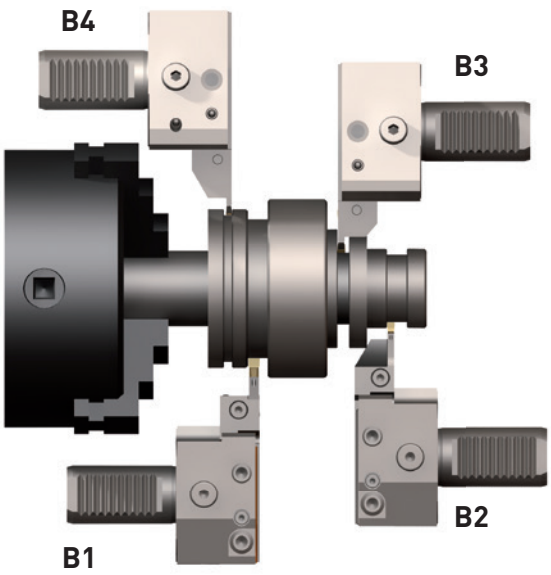
Base de support
Attacco Base
VDI/NASH


Page/Pag. 706-709

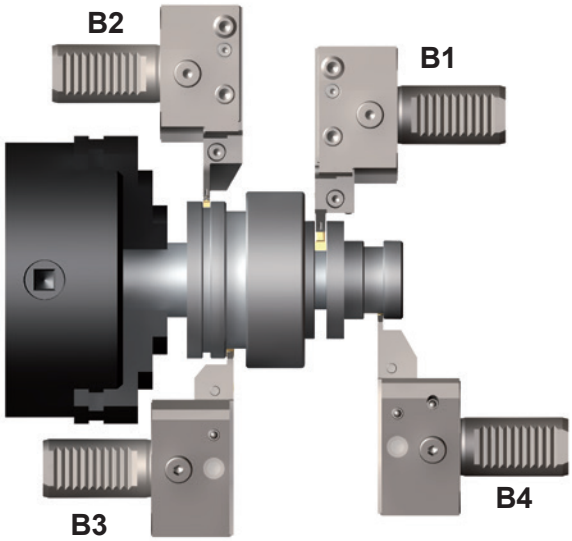

Page/Pag. 710

V

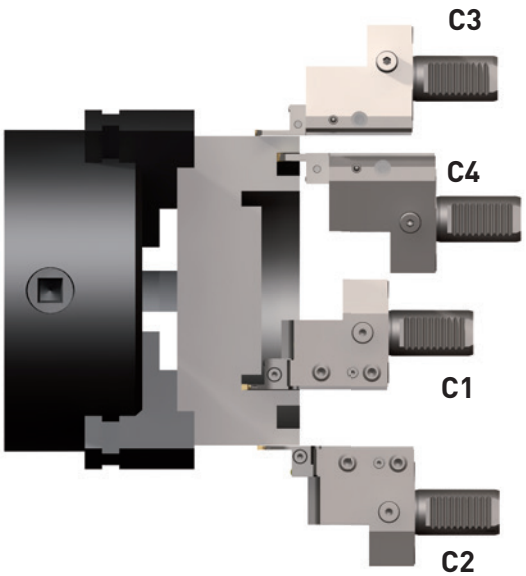
Situation de montage radiale-droite
Situazione di installazione radiale-destra



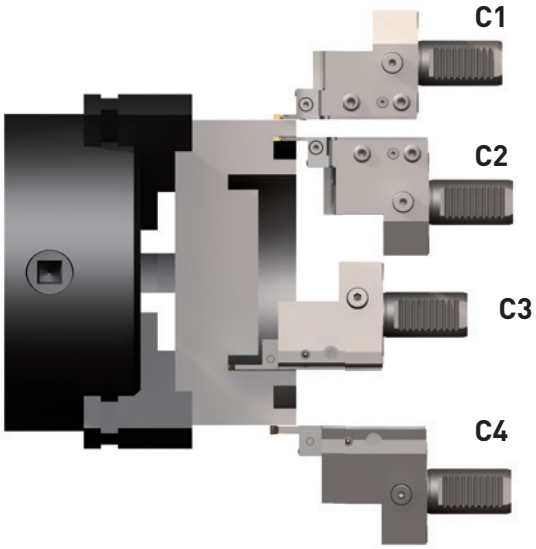
Situation de montage radiale-gauche
Situazione di installazione radiale-sinistra



Situation de montage axial-droit
Situazione di installazione assiale-destra



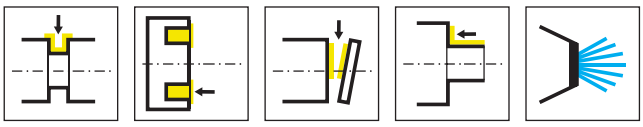
Situation de montage axial-gauche
Situazione di installazione assiale-sinistra

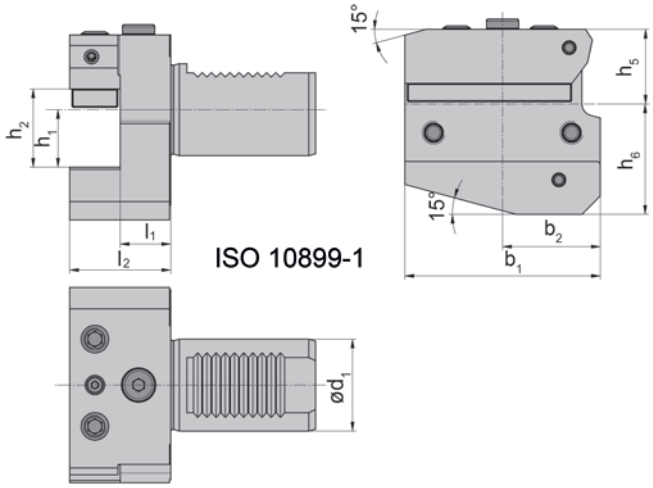


V

Base de support
Attacco Base

VDI





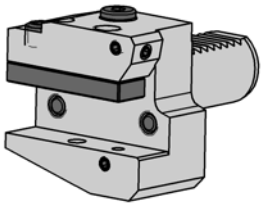


Illustration = Base de support type B1
Figura = Supporto base tipo B1

Numéro de commande Codice prodotto	l_1	l_2	d_1	h_1	h_2	h_5	h_6	b_1	b_2	Type Tipo	Système Sistema
VDI25.B1.16.30.IK	16	30	25	16	22	25	30	55	30	B1	VDI25
VDI25.B3.16.30.IK	16	30	25	16	22	-	30	55	30	B3	VDI25
VDI30.B1.20.40.IK	22	40	30	20	29	28	38	70	35	B1	VDI30
VDI30.B3.20.40.IK	22	40	30	20	29	-	38	70	35	B3	VDI30
VDI40.B1.25.44.IK	22	44	40	25	34	32,5	48	85	42,5	B1	VDI40
VDI40.B3.25.44.IK	22	44	40	25	34	-	48	85	42,5	B3	VDI40
VDI50.B1.25.52.IK	30	52	50	25	34	35	60	100	50	B1	VDI50
VDI50.B3.25.52.IK	30	52	50	25	34	-	60	100	50	B3	VDI50

Version B1 = position normale Version B3 = position au-dessus
Versione B1 = posizione normale Versione B3 = posizione ribaltata

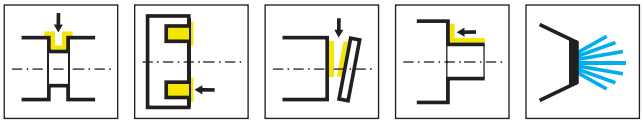
V

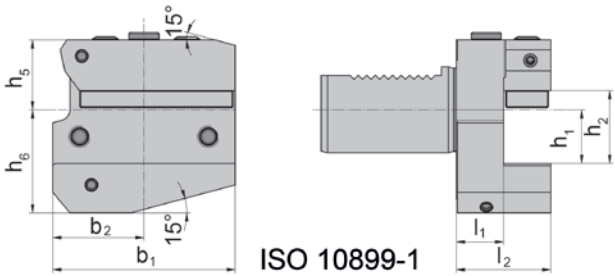
Pièces Détachées
Ricambi

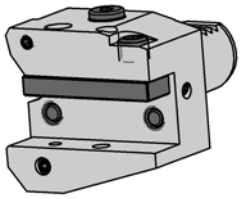
Base de support Attacco Base	**Buse de pulvérisation d'arrosage** Ugello nebulizzazione refrigerante
VDI25...	**020.0806.3116**

Base de support
Attacco Base

VDI







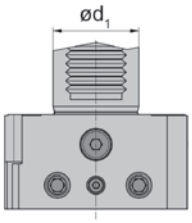


Illustration = Base de support type B2
Figura = Supporto base tipo B2

Numéro de commande Codice prodotto	l_1	l_2	d_1	h_1	h_2	h_5	h_6	b_1	b_2	Type Tipo	Système Sistema
VDI25.B2.16.30.IK	16	30	25	16	22	25	30	55	30	B2	VDI25
VDI25.B4.16.30.IK	16	30	25	16	22	25	30	55	30	B4	VDI25
VDI30.B2.20.40.IK	22	40	30	20	29	28	38	70	35	B2	VDI30
VDI30.B4.20.40.IK	22	40	30	20	29	35	38	70	35	B4	VDI30
VDI40.B2.25.44.IK	22	44	40	25	34	32,5	48	85	42,5	B2	VDI40
VDI40.B4.25.44.IK	22	44	40	25	34	42,5	48	85	42,5	B4	VDI40
VDI50.B2.25.52.IK	30	52	50	25	34	35	60	100	50	B2	VDI50
VDI50.B4.25.52.IK	30	52	50	25	34	50	60	100	50	B4	VDI50

Version B2 = position normale Version B4 = position au-dessus
Versione B2 = Versione B4 = posizione ribaltata

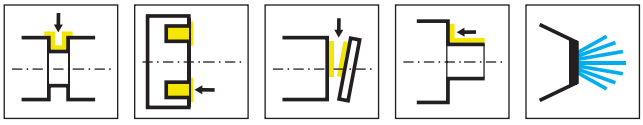
V

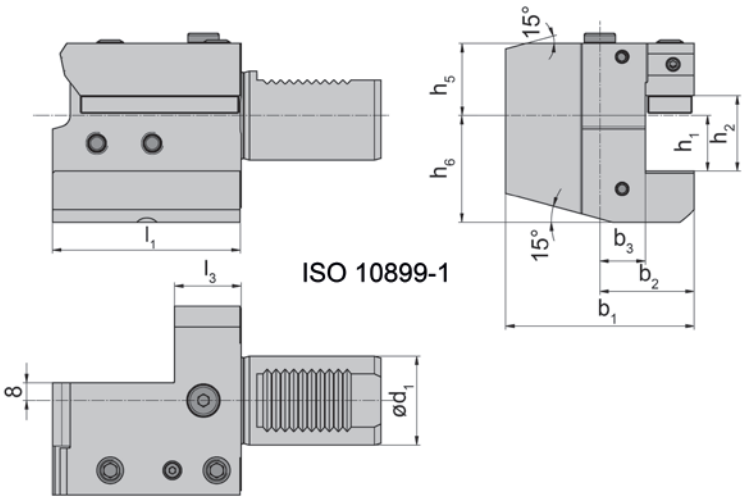
Pièces Détachées
Ricambi

Base de support Attacco Base	**Buse de pulvérisation d'arrosage** Ugello nebulizzazione refrigerante
VDI25...	**020.0806.3116**

Base de support
Attacco Base

VDI





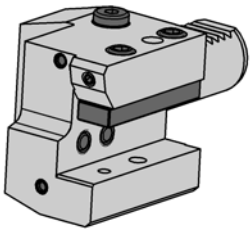


Illustration = Base de support type C1
Figura = Supporto base tipo C1

Numéro de commande Codice prodotto	l_1	d_1	h_1	h_2	h_5	h_6	b_1	b_3	b_2	l_3	Type Tipo	Système Sistema
VDI25.C1.16.IK	55	25	16	22	25	30	58	19	33	20	C1	VDI25
VDI25.C3.16.IK	55	25	16	22	25	30	58	19	33	20	C3	VDI25
VDI25.C1.20.IK	70	25	20	29	25	37	58	15	33	20	C1	VDI25
VDI25.C3.20.IK	70	25	20	29	25	37	62	19	33	20	C3	VDI25
VDI30.C1.20.IK	70	30	20	29	28	38	70	17	35	30	C1	VDI30
VDI30.C3.20.IK	70	30	20	29	35	38	70	17	35	30	C3	VDI30
VDI40.C1.25.IK	85	40	25	34	32,5	48	85	20,5	42,5	30	C1	VDI40
VDI40.C3.25.IK	85	40	25	34	42,5	48	85	20,5	42,5	30	C3	VDI40
VDI50.C1.25.IK	85	50	25	34	50	60	97,5	25,5	47,5	30	C1	VDI50
VDI50.C3.25.IK	85	50	25	34	50	60	97,5	25,5	47,5	30	C3	VDI50

Version C1 = position normale Version C3 = position au-dessus
Versione C1 = posizione normale Versione C3 = posizione ribaltata

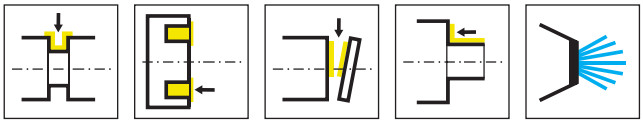
V

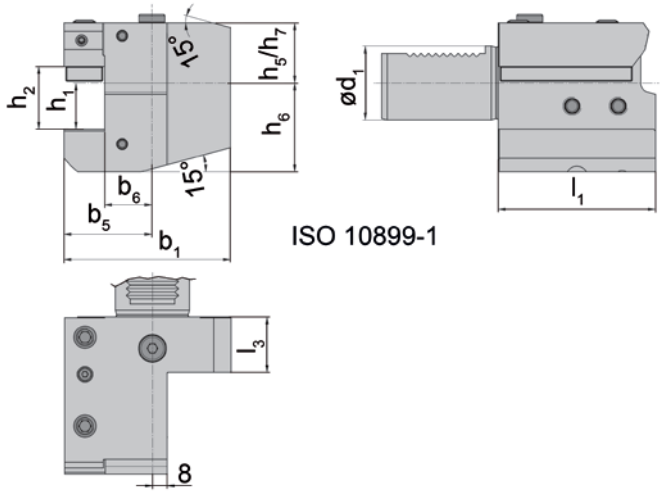
Pièces Détachées
Ricambi

Base de support Attacco Base	**Buse de pulvérisation d'arrosage** Ugello nebulizzazione refrigerante
VDI25...	**020.0806.3116**

Base de support
Attacco Base

VDI





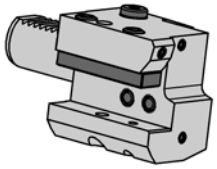


Illustration = Base de support type C2
Figura = Supporto base tipo C2

Numéro de commande Codice prodotto	d_1	h_1	h_2	h_5	h_6	b_1	b_6	b5	l_3	l_1	Type Tipo	Système Sistema
VDI25.C2.16.IK	25	16	22	25	30	58	19	33	20	55	C2	VDI25
VDI25.C4.16.IK	25	16	22	25	30	58	19	33	20	55	C4	VDI25
VDI25.C2.20.IK	25	20	29	25	37	62	19	37	20	70	C2	VDI25
VDI25.C4.20.IK	25	20	29	25	37	58	15	33	20	70	C4	VDI25
VDI30.C2.20.IK	30	20	29	28	38	76	23	41	30	70	C2	VDI30
VDI30.C4.20.IK	30	20	29	35	38	76	23	41	30	70	C4	VDI30
VDI40.C2.25.IK	40	25	34	32,5	48	90	25,5	47,5	30	85	C2	VDI40
VDI40.C4.25.IK	40	25	34	42,5	48	90	25,5	47,5	30	85	C4	VDI40
VDI50.C2.25.IK	50	25	34	50	60	102,5	30,5	52,5	30	85	C2	VDI50
VDI50.C4.25.IK	50	25	34	50	60	97,5	25,5	47,5	30	85	C4	VDI50

Version C2 = position normale Version C4 = position au-dessus
Versione C2 = posizione normale Versione C4 = posizione ribaltata

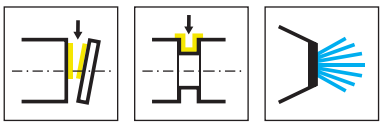
V

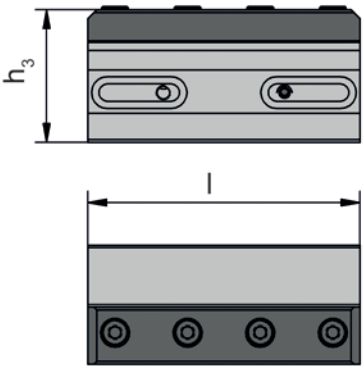
Pièces Détachées
Ricambi

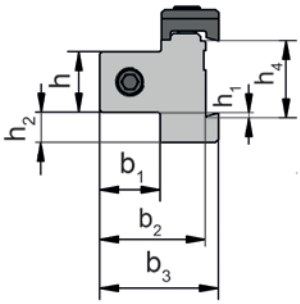
Base de support Attacco Base	**Buse de pulvérisation d'arrosage** Ugello nebulizzazione refrigerante
VDI25...	**020.0806.3116**

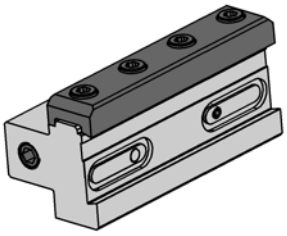
Base de support
Attacco Base

NASH









Numéro de commande Codice prodotto	l	h	h_1	h_2	h_3	h_4	b_1	b_2	b_3
NASH.2020.26.05.IK	90	20	1,4	10	43,9	26	20	35	39,2
NASH.2020.32.05.IK	110	20	4,8	10	46,5	32	20	35	39,2
NASH.2525.26.05.IK	90	25	3,6	10	48,9	26	25	40	44,2
NASH.2525.32.05.IK	110	25	0,2	10	51,5	32	25	40	44,2

V

Pièces Détachées
Ricambi

Base de support Attacco Base	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
NASH...	**6.17T25P**	**T25PQ**

105



Porte outils et plaquettes

Portainserto e inserti

W

Porte outils
Portainserto
SB105.HSK/SB105



Page/Pag.
713-714

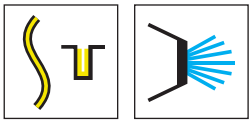
Plaquette de coupe
Inserto
P105

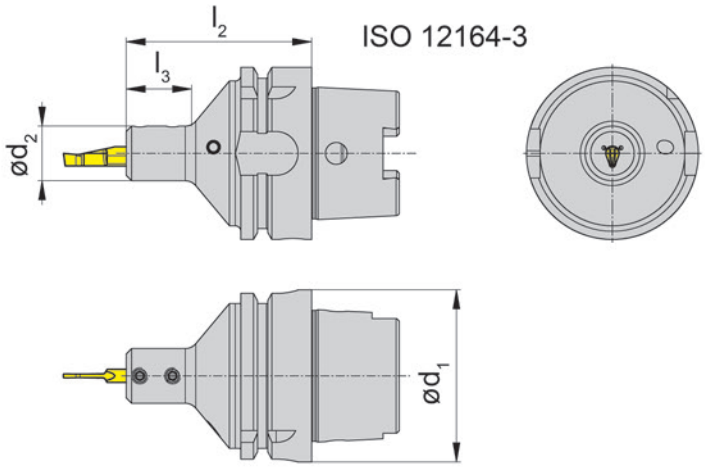


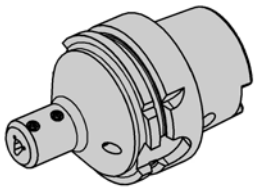
Page/Pag.
715

Porte outils
Portainserto

SB105.HSK







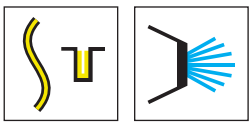
Numéro de commande Codice prodotto	d_1	d_2	l_2	l_3	HWS
SB105.HSK63.02.IK	63	20	68	24	105225

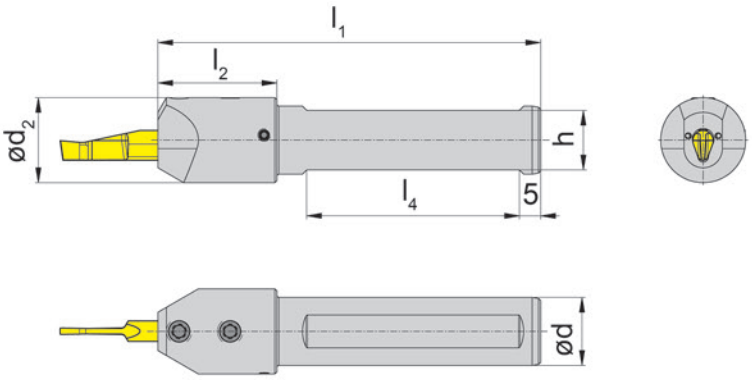
Pièces Détachées
Ricambi

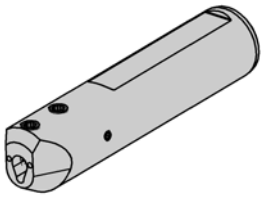
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SB105.HSK63.02.IK	**6.075T15P**	**T15PQ**

W

SB105







Numéro de commande Codice prodotto	d	d_2	l_1	l_2	l_4	h	HWS
SB105.0016.02.IK	16	20	90	28	50	14	105225
SB105.0020.02.IK	20	20	90	-	50	18	105225
SB105.0025.02.IK	25	25	90	-	50	23	105225

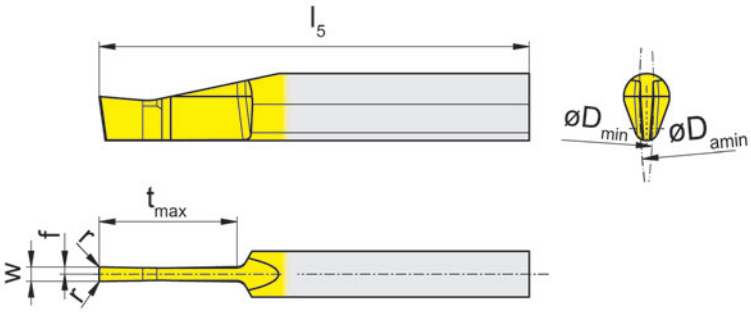
W

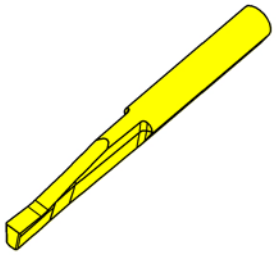
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SB105...	**6.075T15P**	**T15PQ**

Plaquette de coupe
Inserto

P105





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	r	f	b	l_5	t_{max}	D_{min}	$D_{a\ min}$	HIS		EG35
P105.1515.12.75.01	1,5	0,15	0,75	7	45	12	150	150	105225		▲
P105.2020.16.75.01	2	0,2	1	7	45	16	150	150	105225		▲
P105.2520.22.75.01	2,5	0,2	2,25	7	50	22	150	150	105225		▲
P105.3025.25.75.01	3	0,25	1,5	7	55	25	150	150	105225		▲
P105.4025.35.75.01	4	0,25	2	7	65	35	150	150	105225		▲
										P	●
										M	●
										K	o
										N	-
										S	-
										H	-

Longueur de serrage 22 mm
Lunghezza di bloccaggio 22 mm

W



Système/Sistema	Page/Pag.
105/110	**718**
117/356	**750**

X

Porte outils
Portainserto
SB105/SB110/B105



Page/Pag.
720-728

Plaquette de coupe
Inserto
N105/N110

C11

Page/Pag.
729, 738

D10

Page/Pag.
730, 739

H9

Page/Pag.
731, 740

P9

Page/Pag.
732, 741

JS9

Page/Pag.
733, 742

.A.

Page/Pag.
734-737

.B.

Page/Pag.
743-746

Vue d'ensemble
Panoramica

Page/Pag.
747-749

Informations technique
Informazioni tecniche

Page/Pag.
784-785

Géométrie Geometria	Matière Materiale	Usinage Lavorazione
.A	P M K N S H	Recommended for: Broaching units Recommandé pour: Unités de brochage ap = 0,02 - 0,15 mm
.B	P M K N S H	Recommandé pour: brochage conventionnel Raccomandata per stozzatura cnc convenzionale ap = 0,02 - 0,15 mm

105/110



Porte outils et plaquettes

Ø Alésage à partir de 6 mm

Portainserto e inserti

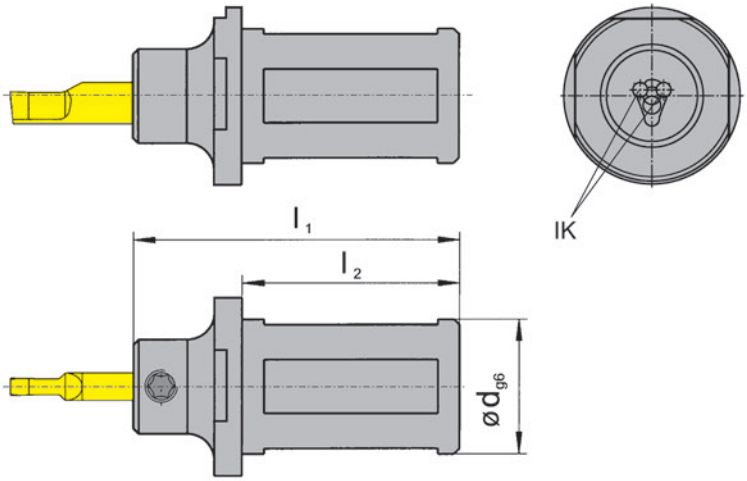
Foro-Ø da 6 mm

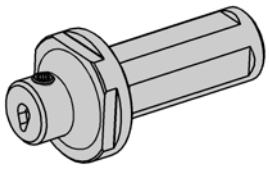
X

Porte outils
Portainserto

SB105







Numéro de commande Codice prodotto	d	l_1	l_2	D_{min}	HWS
SB105.0016.1.01.IK	16	73	50	6	105125
SB105.0020.1.01.IK	20	73	50	6	105125
SB105.0022.1.01.IK	22	73	50	6	105125
SB105.0025.1.01.IK	25	73	50	6	105125
SB105.0032.1.01.IK	32	73	50	6	105125

X

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SB105...	**6.075T15P**	**T15PQ**

Porte outils
Portainserto

SB105 / SB110



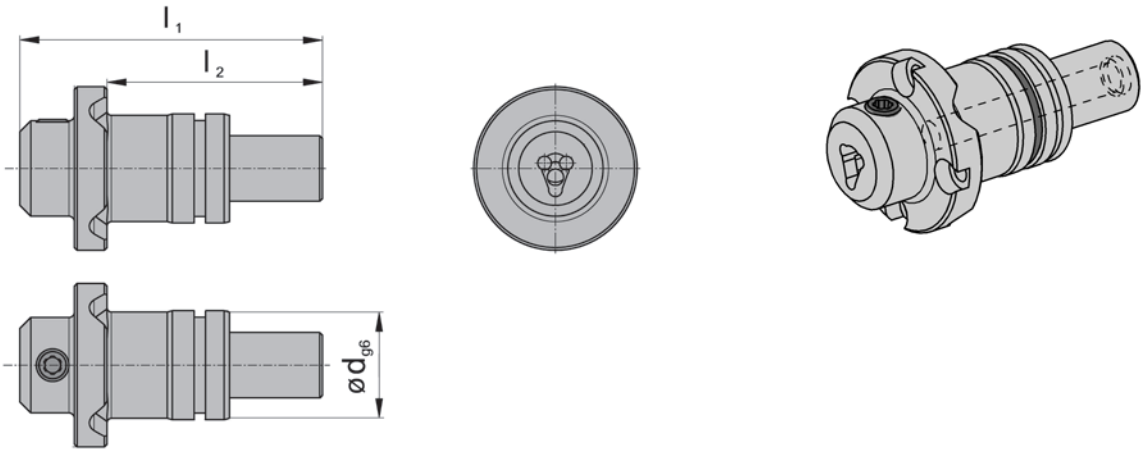


Illustration = Système SB105
Figura = Sistema SB105

Numéro de commande Codice prodotto	d	l_1	l_2	D_{min}	HWS	HMS
SB105.0020.E5.01.IK	20	55,5	39,5	6	105125	Benz
SB110.0020.E5.02.IK	20	70	39,5	9	110260	Benz

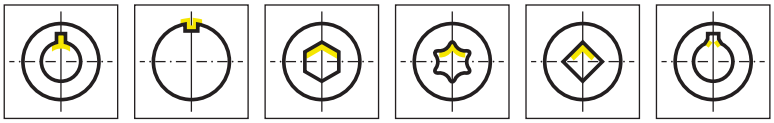
Seulement utilisable pour les dispositifs de brochage EWSP20, BENZ LinA 4.0 avec IK
Utilizzabile solamente con unità a stozzare EWSP20, BENZ LinA 4.0 con IK

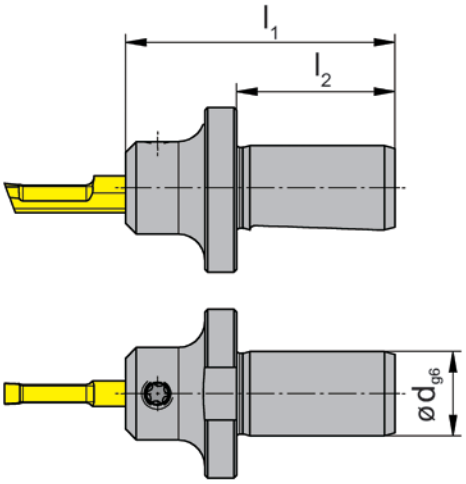
Longueur de serrage des plaquette
Type 105 = 12mm
Type 110 = 26 mm
Lunghezza di serraggio degli inserti
Tipo 105 = 12 mm
Tipo 110 = 26 mm

X

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SB105...	**6.075T15P**	**T15PQ**





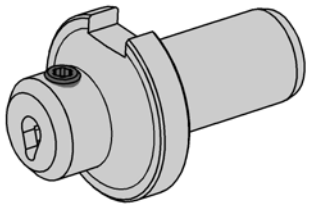


Illustration = Système SB105
Figura = Sistema SB105

Numéro de commande Codice prodotto	d	l_1	l_2	D_{min}	HWS	HMS
SB105.0016.E1.01	16	51	30	6	105125	Benz
SB110.0016.E1.02	16	72	30	9	110260	Benz

Seulement utilisable pour les dispositifs de brochage EWS, BENZ LinA
Utilizzabile solamente con unità a stozzare EWS, BENZ LinA

Longueur de serrage des plaquette
Type 105 = 12mm
Type 110 = 26 mm
Lunghezza di serraggio degli inserti
Tipo 105 = 12 mm
Tipo 110 = 26 mm

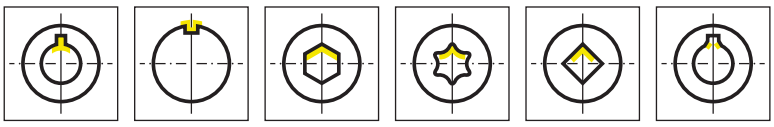
X

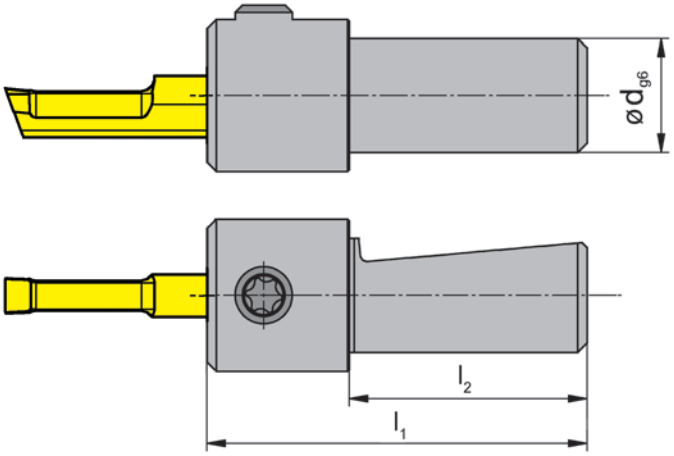
Pièces Détachées
Ricambi

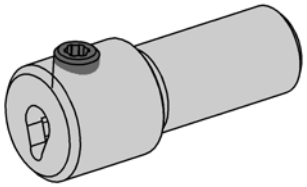
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SB105...	**6.075T15P**	**T15PQ**

Porte outils
Portainserto

B105







Numéro de commande Codice prodotto	d	l_1	l_2	D_{min}	HWS	HMS
B105.0012.0220	12	40	25	6	105125	Schwarzer

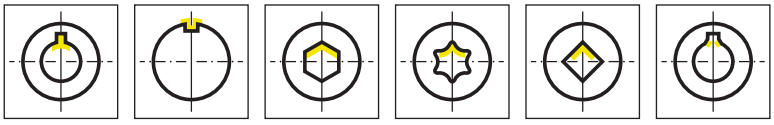
Pour les dispositifs de brochage Schwarzer
Per Unità a Stozzare Schwarzer

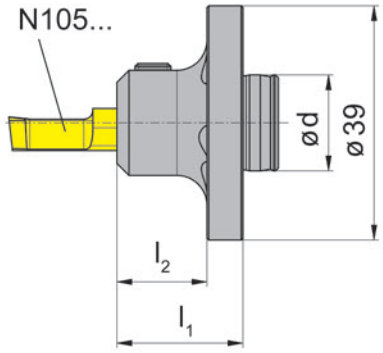
Longueur de serrage des plaquettes = 12 mm!
Lunghezza di serraggio dell'inserto = 12 mm!

X

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
B105.0012.0220	**6.075T15P**	**T15PQ**





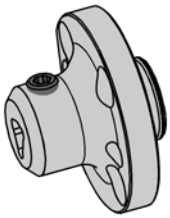


Illustration = Système SB105
Figura = Sistema SB105

Numéro de commande Codice prodotto	d	l_1	l_2	D_{min}	HWS	HMS
SB105.1816.W1.01	16	21	15	6	105125	WTO-32/52
SB110.2016.W1.02	16	42	36	9	110260	WTO-32/52
SB105.1814.W3.01	14	21	14,1	6	105125	WTO-26
SB110.2014.W3.01	14	34	27,1	9	110260	WTO-26

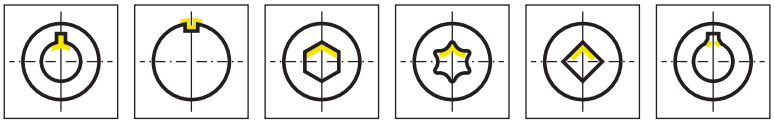
Pour les dispositifs de brochage WTO
Per Unità a Stozzare WTO

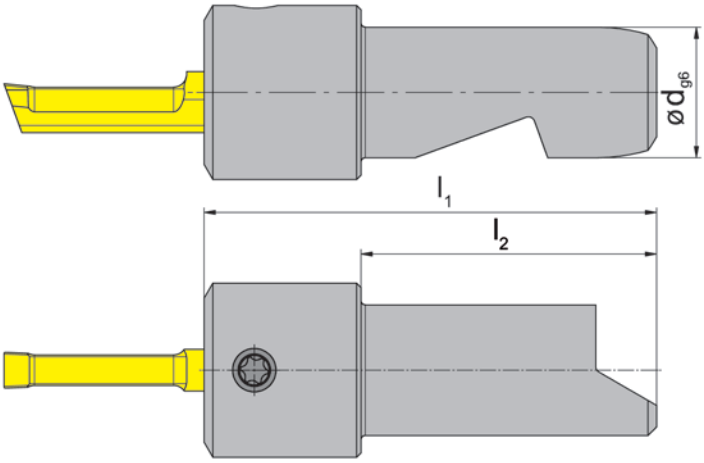
Longueur de serrage des plaquette
Type 105 = 12mm
Type 110 = 26 mm
Lunghezza di serraggio degli inserti
Tipo 105 = 12 mm
Tipo 110 = 26 mm

X

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SB105...	**6.075T15P**	**T15PQ**





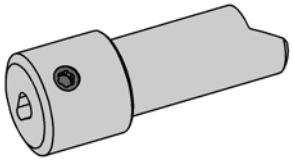


Illustration = Système SB105
Figura = Sistema SB105

Numéro de commande Codice prodotto	d	l_1	l_2	D_{min}	HWS	HMS
SB105.0015.S1.01	15	52	34	6	105125	Schwarzer
SB110.0015.S1.02	15	66	34	9	110260	Schwarzer

Pour les dispositifs de brochage Schwarzer „2 sur 1“
Per Unità a Stozzare Schwarzer „2in1“

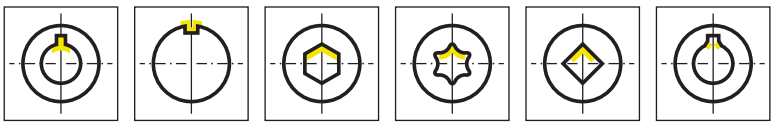
Longueur de serrage des plaquette
Type 105 = 12mm
Type 110 = 26 mm
Lunghezza di serraggio degli inserti
Tipo 105 = 12 mm
Tipo 110 = 26 mm

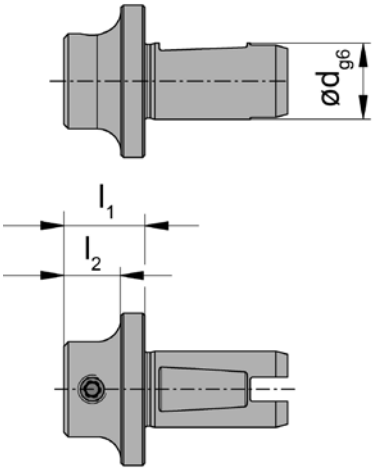
Pièces Détachées
Ricambi

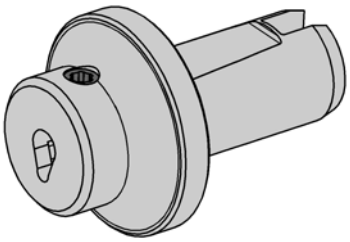
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SB105...	**6.075T15P**	**T15PQ**

Porte outils
Portainserto

SB105 / SB110







Numéro de commande Codice prodotto	d	l_1	l_2	D_{min}	HWS	HMS
SB105.0016.MT1.01	16	17	12	6	105125	MT
SB110.0016.MT1.02	16	31	26	10	110260	MT

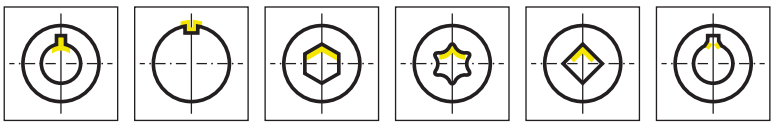
Pour les dispositifs de brochage MT Marchetti
Per Unità a Stozzare MT Marchetti

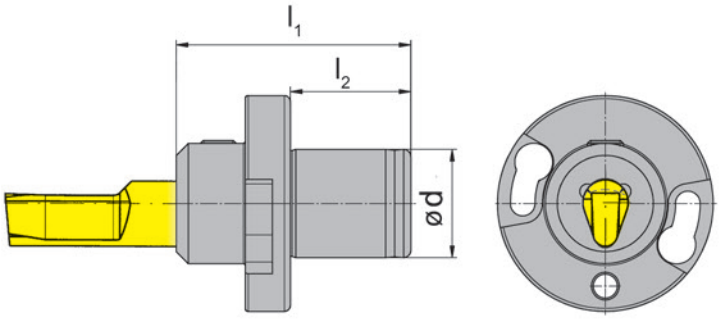
Longueur de serrage des plaquette
Type 105 = 12mm
Type 110 = 26 mm
Lunghezza di serraggio degli inserti
Tipo 105 = 12 mm
Tipo 110 = 26 mm

X

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SB105...	**6.075T15P**	**T15PQ**





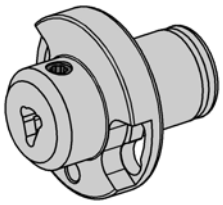


Illustration = Système SB105
Figura = Sistema SB105

Numéro de commande Codice prodotto	d	l_1	l_2	D_{min}	HWS	HMS
SB105.0018.A.01	18	38	20	6	105125	AR2P
SB110.0018.A.01	18	39	20	6	110260	AR2P
SB110.0018.A.02	18	52	20	6	110260	AR2P

Pour les dispositifs de brochage AP2R/AP3R
Per Unità a Stozzare AP2R/AP3R

Longueur de serrage des plaquette
Type 105 = 12mm
Type 110 = 26 mm
Lunghezza di serraggio degli inserti
Tipo 105 = 12 mm
Tipo 110 = 26 mm

X

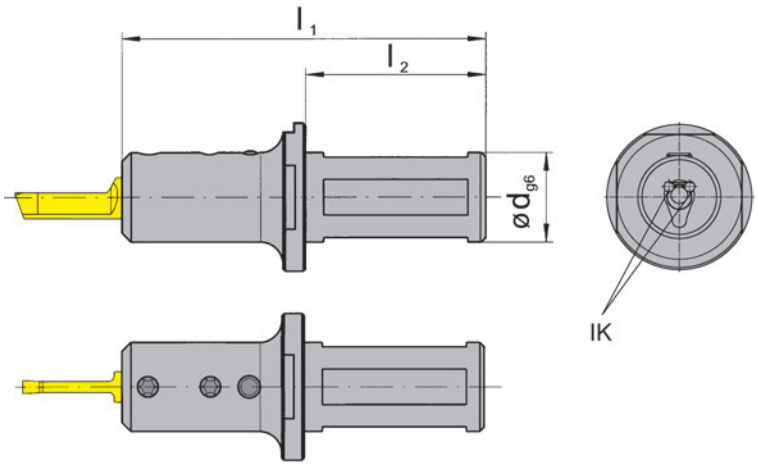
Pièces Détachées
Ricambi

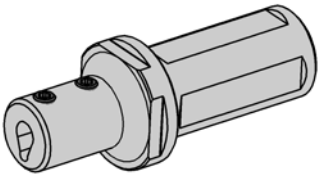
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SB105...	**6.075T15P**	**T15PQ**

Porte outils
Portainserto

SB110







Numéro de commande Codice prodotto	d	l_1	l_2	D_{min}	HWS
SB110.0020.1.02.IK	20	88	50	9	110260
SB110.0025.1.02.IK	25	88	50	9	110260
SB110.0032.1.02.IK	32	88	50	9	110260

X

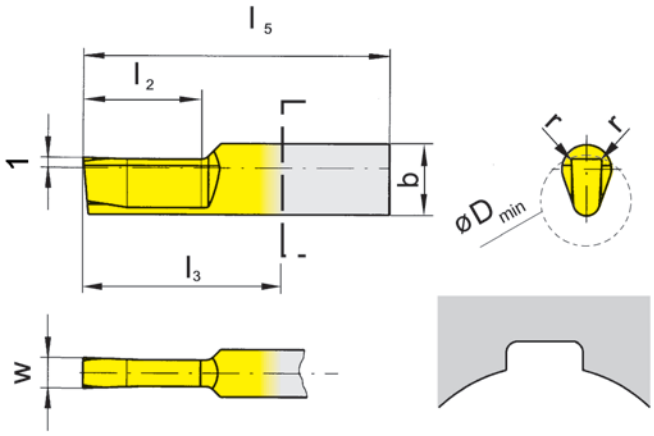
Pièces Détachées
Ricambi

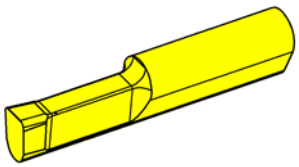
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SB110...	**6.075T15P**	**T15PQ**

Plaquette de coupe
Inserto

N105 / N110







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0210.2.08.A2	2,11	7	30	12	18	0,35	6	105125	▲
N105.0310.2.10.A2	3,11	7	30	12	18	0,35	6,5	105125	▲
N105.0310.2.13.A2	3,11	7	30	12	18	0,5	6,5	105125	▲
N105.0410.2.16.A2	4,14	7	30	12	18	0,5	6,5	105125	▲
N110.0510.05.04.A2	5,14	-	60	25	34	0,5	9	110260	▲
N110.0510.05.07.A2	5,14	-	75	40	49	0,5	9	110260	▲
N110.0610.05.04.A2	6,14	-	60	25	34	0,5	10	110260	Δ
N110.0610.05.07.A2	6,14	-	75	40	49	0,5	10	110260	Δ

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

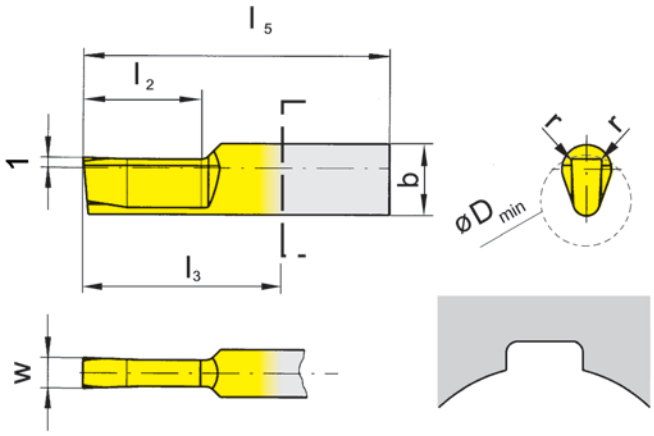
P	●
M	o
K	-
N	-
S	-
H	-

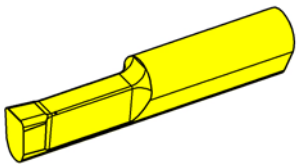
X

Plaquette de coupe
Inserto

N105 / N110







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0205.01.01.A2	2,055	7	30	12	18	0,12	6	105125	▲
N105.0305.01.01.A2	3,055	7	30	12	18	0,12	6,5	105125	▲
N105.0407.01.01.A2	4,073	7	35	15	23	0,12	6,5	105125	▲
N110.0407.02.04.A2	4,073	-	60	25	34	0,2	9	110260	▲
N110.0407.02.07.A2	4,073	-	75	40	49	0,2	9	110260	▲
N110.0507.02.04.A2	5,073	-	60	25	34	0,2	9	110260	▲
N110.0507.02.07.A2	5,073	-	75	40	49	0,2	9	110260	▲
N110.0607.02.04.A2	6,073	-	60	25	34	0,2	10	110260	Δ
N110.0607.02.07.A2	6,073	-	75	40	49	0,2	10	110260	Δ

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

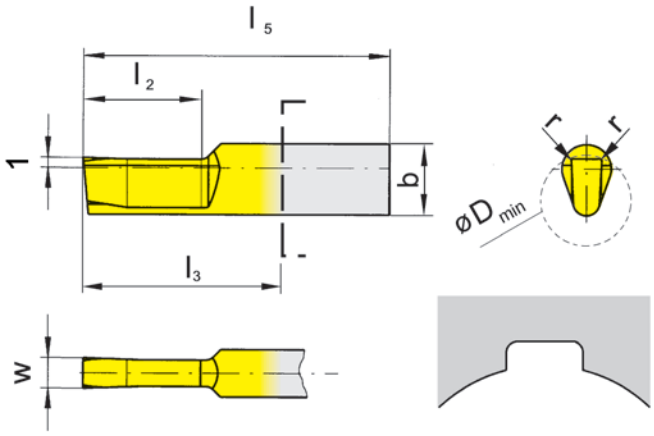
P	●
M	o
K	-
N	-
S	-
H	-

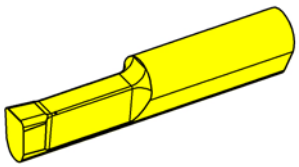
X

Plaquette de coupe
Inserto

N105 / N110







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0202.01.01.A2	2,02	7	30	12	18	0,1	6	105125	▲
N105.0302.01.01.A2	3,02	7	30	12	18	0,1	6,5	105125	▲
N105.0402.01.01.A2	4,025	7	35	15	23	0,1	6,5	105125	▲
N110.0402.02.04.A2	4,025	-	60	25	34	0,2	9	110260	▲
N110.0402.02.07.A2	4,025	-	75	40	49	0,2	9	110260	▲
N110.0502.02.04.A2	5,025	-	60	25	34	0,2	9	110260	▲
N110.0502.02.07.A2	5,025	-	75	40	49	0,2	9	110260	▲
N110.0602.02.04.A2	6,025	-	60	25	34	0,2	10	110260	Δ
N110.0602.02.07.A2	6,025	-	75	40	49	0,2	10	110260	Δ

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

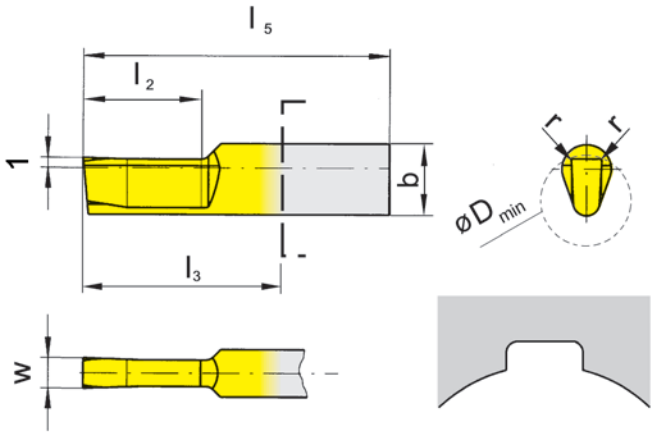
P	●
M	o
K	-
N	-
S	-
H	-

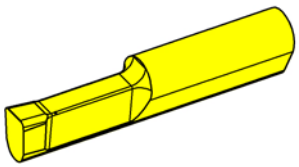
X

Plaquette de coupe
Inserto

N105 / N110







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0198.01.01.A2	1,982	7	30	12	18	0,1	6	105125	▲
N105.0298.01.01.A2	2,989	7	30	12	18	0,1	6,5	105125	▲
N105.0397.01.01.A2	3,983	7	35	15	23	0,1	6,5	105125	▲
N110.0397.02.04.A2	3,983	-	60	25	34	0,2	9	110260	▲
N110.0397.02.07.A2	3,983	-	75	40	49	0,2	9	110260	▲
N110.0497.02.04.A2	4,983	-	60	25	34	0,2	9	110260	▲
N110.0497.02.07.A2	4,983	-	75	40	49	0,2	9	110260	▲
N110.0597.02.04.A2	5,983	-	60	25	34	0,2	10	110260	Δ
N110.0597.02.07.A2	5,983	-	75	40	49	0,2	10	110260	Δ

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

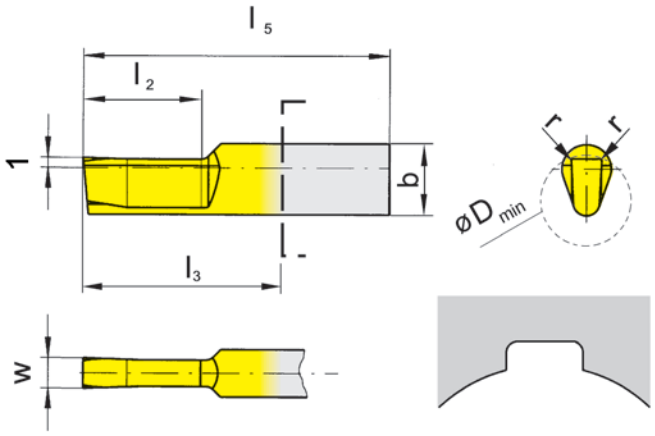
P	●
M	o
K	-
N	-
S	-
H	-

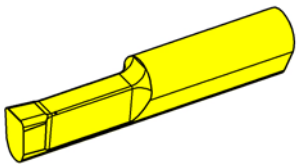
X

Plaquette de coupe
Inserto

N105 / N110

JS9 | .A.





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0200.01.01.A2	2,01	7	30	12	18	0,1	6	105125	▲
N105.0300.01.01.A2	3,01	7	30	12	18	0,1	6,5	105125	▲
N105.0400.01.01.A2	4,01	7	35	15	23	0,1	6,5	105125	▲
N105.0400.02.01.A2	4,01	7	35	15	23	0,2	6,5	105125	▲
N110.0400.02.04.A2	4,01	-	60	25	34	0,2	9	110260	▲
N110.0400.02.07.A2	4,01	-	75	40	49	0,2	9	110260	▲
N110.0500.02.04.A2	5,01	-	60	25	34	0,2	9	110260	▲
N110.0500.02.07.A2	5,01	-	75	40	49	0,2	9	110260	▲
N110.0600.02.04.A2	6,01	-	60	25	34	0,2	10	110260	Δ
N110.0600.02.07.A2	6,01	-	75	40	49	0,2	10	110260	Δ

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

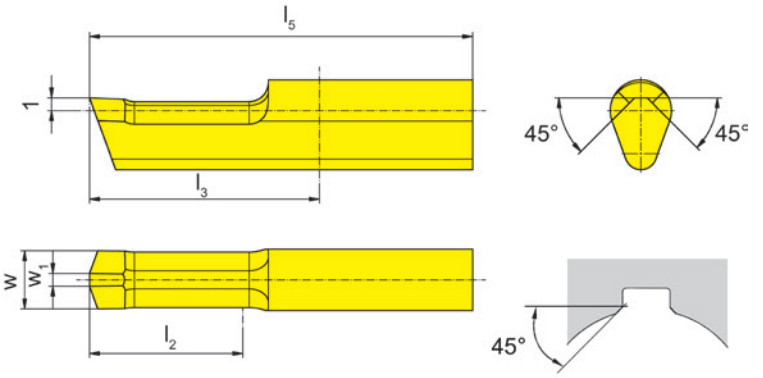
P	●
M	o
K	-
N	-
S	-
H	-

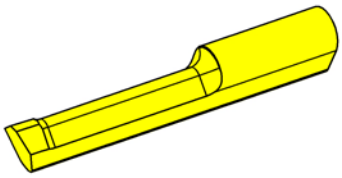
X

Plaquette de coupe
Inserto

N105 / N110

.A.





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	w_1	l_5	l_2	l_3	D_{min}	HIS	AN25
N105.4545.2.6.A1	4,5	7	1	30	12	18	6	105125	▲
N110.4545.4.9.A1	6,3	-	2	60	25	34	9	110260	▲
N110.4545.7.9.A1	6,3	-	2	75	40	49	9	110260	▲

P	●
M	o
K	-
N	-
S	-
H	-

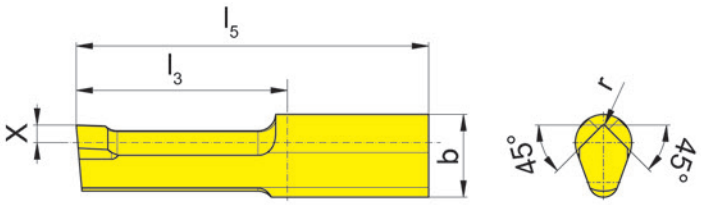
Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

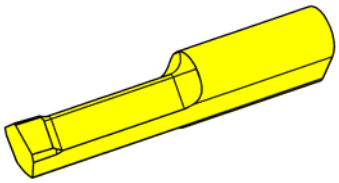
X

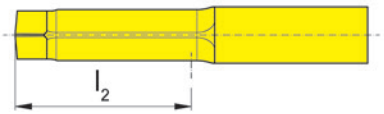
Plaquette de coupe
Inserto

N105 / N110









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	SW	b	l_5	l_2	l_3	r	Trou borgne Foro cieco	X	HIS	AN25
N105.SQ.0405.1.A1	4-5	7	25	10	13	0,2	0,1	1,5	105125	▲
N105.SQ.0506.1.A1	5-6	7	30	12	18	0,2	0,1	1,5	105125	▲
N105.SQ.0608.2.A1	6-8	7	30	15	18	0,2	0,1	1,5	105125	▲
N110.SQ.0810.2.A1	8-10	-	45	15	19	0,2	0,1	2,5	110260	▲
N110.SQ.1013.2.A1	10-13	-	45	15	19	0,2	0,2	2,5	110260	▲

P	●
M	o
K	-
N	-
S	-
H	-

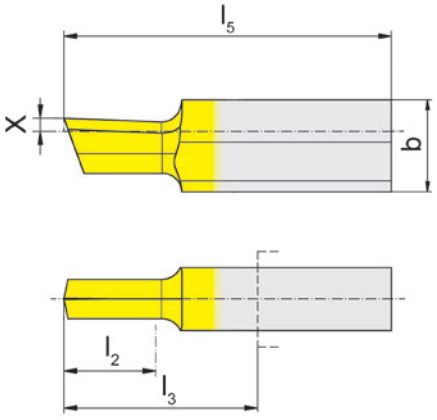
Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

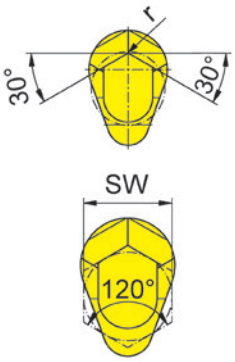
X

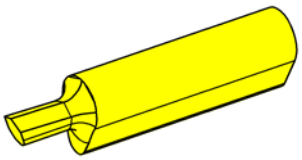
Plaquette de coupe
Inserto

N105 / N110

.A.







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	SW	l_5	l_2	l_3	r	Trou borgne Foro cieco	X	HIS	AN25
N105.SW20.20.01.A1	2,0-2,0	25	4	13	0,05	SW	1	105125	▲
N105.SW25.25.01.A1	2,5-2,9	25	4	13	0,05	SW	1	105125	▲
N105.SW30.30.01.A1	2,9-3,5	25	4,5	13	0,05	SW	1	105125	▲
N105.SW35.35.01.A1	3,5-4,0	25	5,5	13	0,05	SW	1	105125	▲
N105.SW40.40.01.A1	4,0-4,5	25	6	13	0,1	SW	1	105125	▲
N105.SW45.45.01.A1	4,5-5,0	25	7	13	0,1	SW	1	105125	▲
N105.SW56.56.01.A1	5,0-8,0	25	9	13	0,1	SW	1	105125	▲
N105.SW80.80.01.A1	8,0-10,0	30	12	18	0,1	SW+0,1	1	105125	▲
N110.SW14.14.03.A1	10,0-14,0	55	20	29	0,2	SW+0,1	1,5	110260	▲
N110.SW16.16.04.A1	14,0-18,0	55	25	29	0,2	SW+0,1/ SW+0,2	2	110260	▲

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

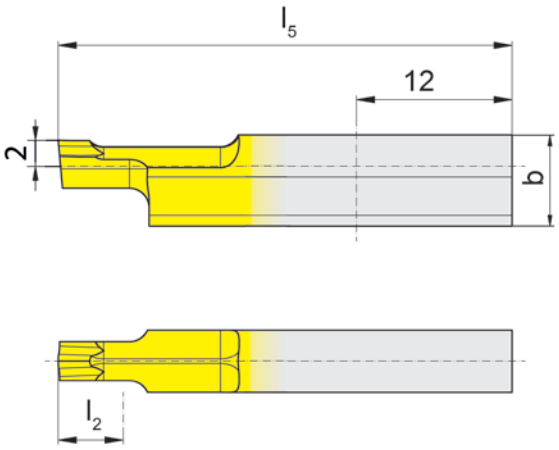
P	●
M	o
K	-
N	-
S	-
H	-

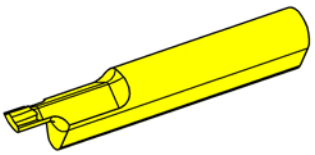
X

Plaquette de coupe
Inserto

N105

.A.





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Torx	b	l_5	l_2	Trou borgne Foro cieco	HIS	AN25
N105.TX15.24.03.A1	T15	7	35	4	2,3	105125	▲
N105.TX20.28.03.A1	T20	7	35	4	2,8	105125	▲
N105.TX25.32.03.A1	T25	7	35	5	3,1	105125	▲
N105.TX30.40.03.A1	T30	7	35	5	4	105125	▲

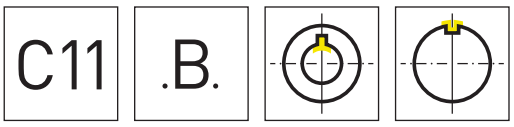
P	●
M	o
K	-
N	-
S	-
H	-

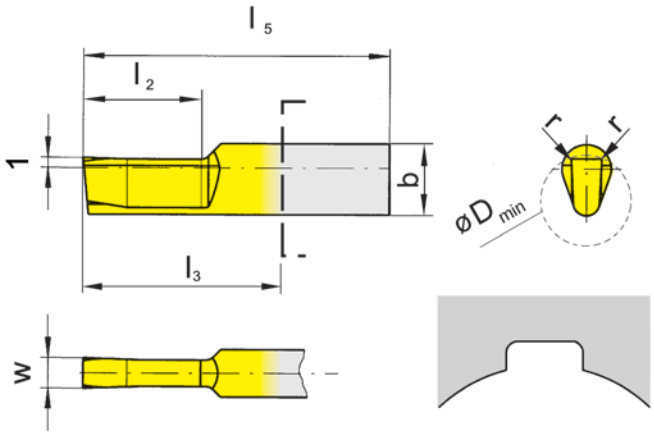
Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

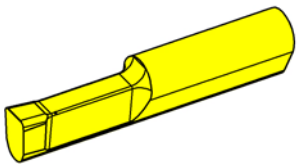
X

Plaquette de coupe
Inserto

N105 / N110







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0210.2.08.B1	2,11	7	30	12	18	0,35	6	105125	▲
N105.0310.2.10.B1	3,11	7	30	12	18	0,35	6,5	105125	▲
N105.0310.2.13.B1	3,11	7	30	12	18	0,5	6,5	105125	▲
N105.0410.2.16.B1	4,14	7	30	12	18	0,5	6,5	105125	▲
N110.0410.05.04.B1	4,14	-	60	25	34	0,5	9	110260	▲
N110.0410.05.07.B1	4,14	-	75	40	49	0,5	9	110260	▲
N110.0510.05.04.B1	5,14	-	60	25	34	0,5	9	110260	▲
N110.0510.05.07.B1	5,14	-	75	40	49	0,5	9	110260	▲
N110.0610.05.04.B1	6,14	-	60	25	34	0,5	10	110260	Δ
N110.0610.05.07.B1	6,14	-	75	40	49	0,5	10	110260	Δ

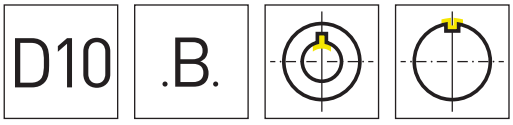
Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

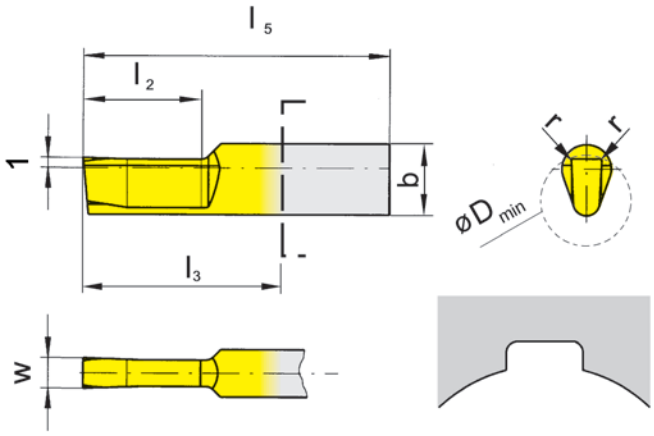
P	●
M	o
K	-
N	-
S	-
H	-

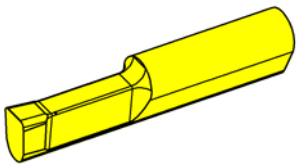
X

Plaquette de coupe
Inserto

N105 / N110







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0205.01.01.B1	2,055	7	30	12	18	0,12	6	105125	▲
N105.0305.01.01.B1	3,055	7	30	12	18	0,12	6,5	105125	▲
N105.0407.01.01.B1	4,073	7	35	15	23	0,12	6,5	105125	▲
N110.0407.02.04.B1	4,073	-	60	25	34	0,2	9	110260	▲
N110.0407.02.07.B1	4,073	-	75	40	49	0,2	9	110260	▲
N110.0507.02.04.B1	5,073	-	60	25	34	0,2	9	110260	▲
N110.0507.02.07.B1	5,073	-	75	40	49	0,2	9	110260	▲
N110.0607.02.04.B1	6,073	-	60	25	34	0,2	10	110260	Δ
N110.0607.02.07.B1	6,073	-	75	40	49	0,2	10	110260	Δ

Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

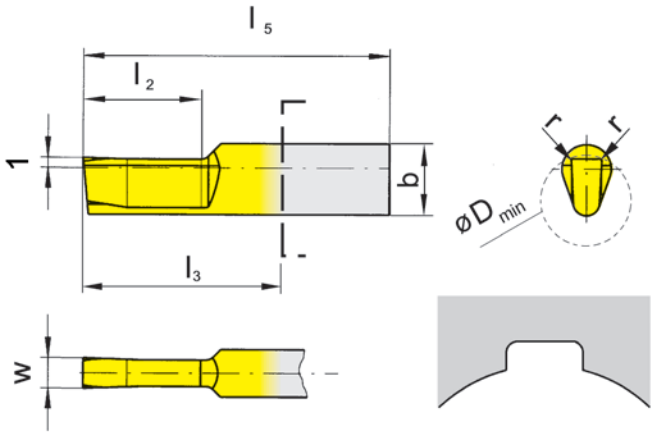
P	●
M	o
K	-
N	-
S	-
H	-

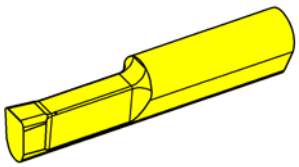
X

Plaquette de coupe
Inserto

N105 / N110

H9 | .B.





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0202.01.01.B1	2,02	7	30	12	18	0,1	6	105125	▲
N105.0302.01.01.B1	3,02	7	30	12	18	0,1	6,5	105125	▲
N105.0402.01.01.B1	4,025	7	35	15	23	0,1	6,5	105125	▲
N110.0402.02.04.B1	4,025	-	60	25	34	0,2	9	110260	▲
N110.0402.02.07.B1	4,025	-	75	40	49	0,2	9	110260	▲
N110.0502.02.04.B1	5,025	-	60	25	34	0,2	9	110260	▲
N110.0502.02.07.B1	5,025	-	75	40	49	0,2	9	110260	▲
N110.0602.02.04.B1	6,025	-	60	25	34	0,2	10	110260	Δ
N110.0602.02.07.B1	6,025	-	75	40	49	0,2	10	110260	Δ

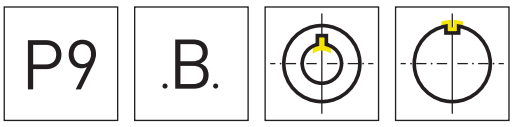
Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

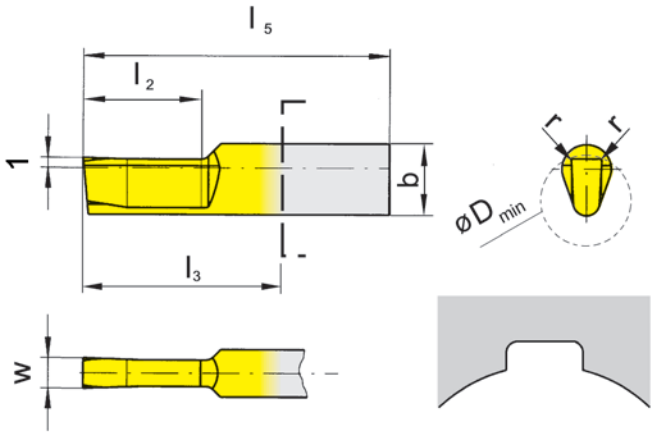
P	●
M	o
K	-
N	-
S	-
H	-

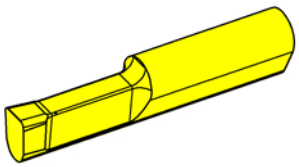
X

Plaquette de coupe
Inserto

N105 / N110







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0198.01.01.B1	1,982	7	30	12	18	0,1	6	105125	▲
N105.0298.01.01.B1	2,989	7	30	12	18	0,1	6,5	105125	▲
N105.0397.01.01.B1	3,983	7	35	15	23	0,1	6,5	105125	▲
N110.0397.02.04.B1	3,983	-	60	25	34	0,2	9	110260	▲
N110.0397.02.07.B1	3,983	-	75	40	49	0,2	9	110260	▲
N110.0497.02.04.B1	4,983	-	60	25	34	0,2	9	110260	▲
N110.0497.02.07.B1	4,983	-	75	40	49	0,2	9	110260	▲
N110.0597.02.04.B1	5,983	-	60	25	34	0,2	10	110260	Δ
N110.0597.02.07.B1	5,983	-	75	40	49	0,2	10	110260	Δ

Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

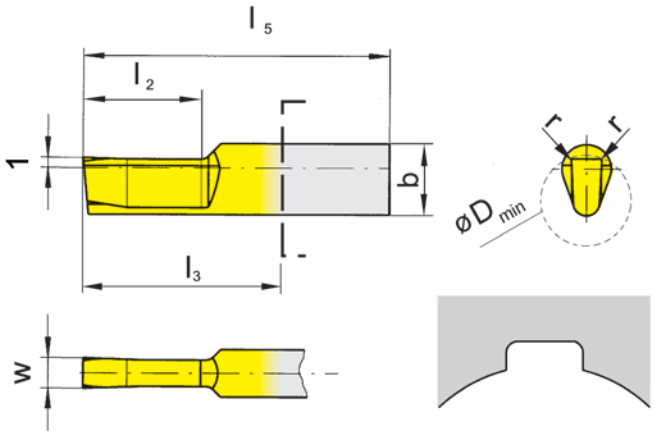
P	●
M	o
K	-
N	-
S	-
H	-

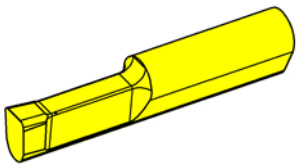
X

Plaquette de coupe
Inserto

N105 / N110

JS9 | .B.





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	l_5	l_2	l_3	r	D_{min}	HIS	AN25
N105.0200.01.01.B1	2,01	7	30	12	18	0,1	6	105125	▲
N105.0300.01.01.B1	3,01	7	30	12	18	0,1	6,5	105125	▲
N105.0400.01.01.B1	4,01	7	35	15	23	0,1	6,5	105125	▲
N105.0400.02.01.B1	4,01	7	35	15	23	0,2	6,5	105125	▲
N110.0400.02.04.B1	4,01	-	60	25	34	0,2	9	110260	▲
N110.0400.02.07.B1	4,01	-	75	40	49	0,2	9	110260	▲
N110.0500.02.04.B1	5,01	-	60	25	34	0,2	9	110260	▲
N110.0500.02.07.B1	5,01	-	75	40	49	0,2	9	110260	▲
N110.0600.02.04.B1	6,01	-	60	25	34	0,2	10	110260	Δ
N110.0600.02.07.B1	6,01	-	75	40	49	0,2	10	110260	Δ

Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

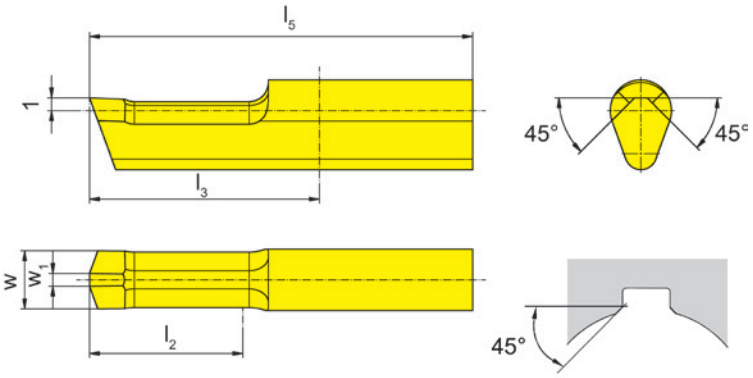
P	●
M	o
K	-
N	-
S	-
H	-

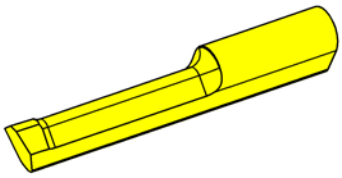
X

Plaquette de coupe
Inserto

N105 / N110

.B.





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	b	w_1	l_5	l_2	l_3	D_{min}	HIS	AN25
N105.4545.2.6.B1	4,5	7	1	30	12	18	6	105125	▲
N105.4545.3.6.B1	4,5	7	1	35	20	23	6	105125	▲
N110.4545.4.9.B1	6,3	-	2	60	25	34	9	110260	▲
N110.4545.7.9.B1	6,3	-	2	75	40	49	9	110260	▲

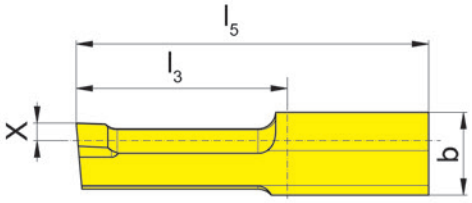
P	●
M	o
K	-
N	-
S	-
H	-

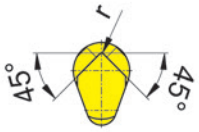
X

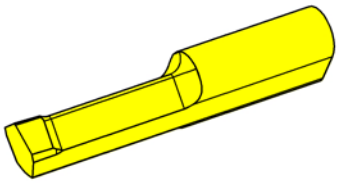
Plaquette de coupe
Inserto

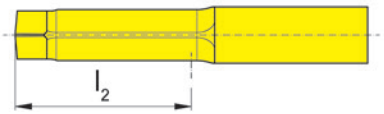
N105 / N110

.B.









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	SW	b	l_5	l_2	l_3	r	Trou borgne Foro cieco	X	HIS	AN25
N105.SQ.0405.1.B1	4-5	7	25	10	13	0,2	SW+0,1	1,5	105125	▲
N105.SQ.0506.1.B1	5-6	7	30	12	18	0,2	SW+0,1	1,5	105125	▲
N105.SQ.0608.2.B1	6-8	7	30	15	18	0,2	SW+0,1	1,5	105125	▲
N110.SQ.0810.2.B1	8-10	-	45	15	19	0,2	SW+0,1	2,5	110260	▲
N110.SQ.1013.2.B1	10-13	-	45	15	19	0,2	SW+0,2	2,5	110260	▲

Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

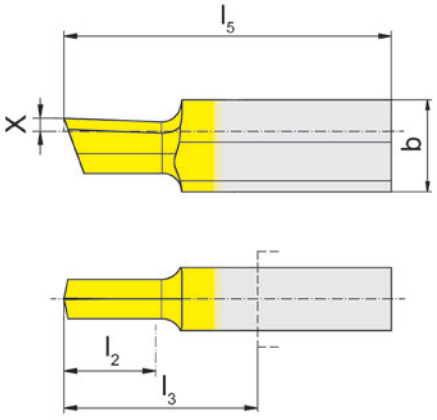
P	●
M	o
K	-
N	-
S	-
H	-

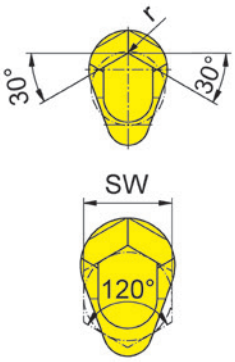
X

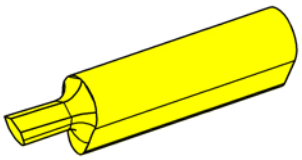
Plaquette de coupe
Inserto

N105 / N110

.B.







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	SW	l_5	l_2	l_3	r	Trou borgne Foro cieco	X	HIS	AN25
N105.SW20.20.01.B1	2,0-2,0	25	4	13	0,05	SW	1	105125	▲
N105.SW25.25.01.B1	2,5-2,9	25	4	13	0,05	SW	1	105125	▲
N105.SW30.30.01.B1	2,9-3,5	25	4,5	13	0,05	SW	1	105125	▲
N105.SW35.35.01.B1	3,5-4,0	25	5,5	13	0,05	SW	1	105125	▲
N105.SW40.40.01.B1	4,0-4,5	25	6	13	0,1	SW	1	105125	▲
N105.SW45.45.01.B1	4,5-5,0	25	7	13	0,1	SW	1	105125	▲
N105.SW56.56.01.B1	5,0-8,0	25	9	13	0,1	SW	1	105125	▲
N105.SW80.80.01.B1	8,0-10,0	30	12	18	0,1	SW+0,1	1	105125	▲
N110.SW14.14.03.B1	10,0-14,0	55	20	29	0,2	SW+0,1	1,5	110260	▲
N110.SW16.16.04.B1	14,0-16,5/ 16,8-18,0	55	25	29	0,2	SW+0,1/ SW+0,2	2	110260	▲

Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

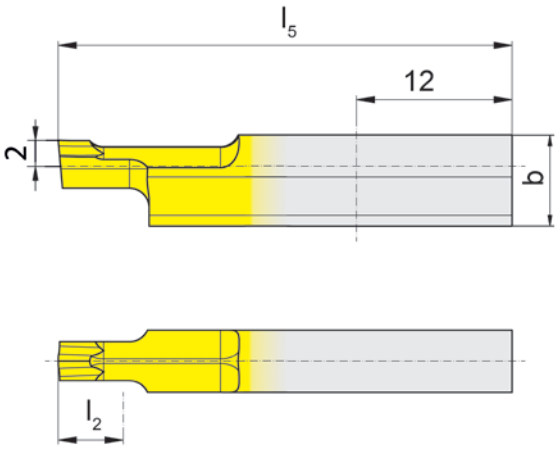
P	●
M	o
K	-
N	-
S	-
H	-

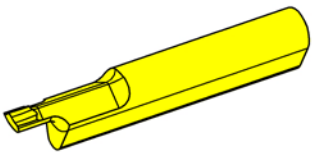
X

Plaquette de coupe
Inserto

N105

.B.





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Torx	b	l_5	l_2	Trou borgne Foro cieco	HIS	AN25
N105.TX15.24.03.B1	T15	7	35	4	2,3	105125	▲
N105.TX20.28.03.B1	T20	7	35	4	2,8	105125	▲
N105.TX25.32.03.B1	T25	7	35	5	3,1	105125	▲
N105.TX30.40.03.B1	T30	7	35	5	4	105125	▲

P	●
M	o
K	-
N	-
S	-
H	-

Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

X

Brochage
Stozzatura

Nw	Tolérance Tolleranza	Largeur Larghezza	D_{min}	l_2	Plaquette Inserto ...A2/...B1	Porte outils Portainserto
2	C11	2,11	6	12	N105.0210.2.08. ...	SB105...
3	C11	3,11	6,5	12	N105.0310.2.10. ...	SB105...
3	C11	3,11	6,5	12	N105.0310.2.13. ...	SB105...
4	C11	4,14	6,5	12	N105.0410.2.16. ...	SB105...
4	C11	4,14	9	25	N110.0410.05.04. ...	SB110...
4	C11	4,14	9	40	N110.0410.05.07. ...	SB110...
5	C11	5,14	9	25	N110.0510.05.04. ...	SB110...
5	C11	5,14	9	40	N110.0510.05.07. ...	SB110...
6	C11	6,14	10	25	N110.0610.05.04. ...	SB110...
6	C11	6,14	10	40	N110.0610.05.07. ...	SB110...
2	D10	2,055	6	12	N105.0205.01.01. ...	SB105...
3	D10	3,055	6,5	12	N105.0305.01.01. ...	SB105...
3	D10	4,073	6,5	15	N105.0407.01.01. ...	SB105...
4	D10	4,073	9	25	N110.0407.02.04. ...	SB105...
4	D10	4,073	9	40	N110.0407.02.07. ...	SB110...
5	D10	5,073	9	25	N110.0507.02.04. ...	SB110...
5	D10	5,073	9	40	N110.0507.02.07. ...	SB110...
6	D10	6,073	10	25	N110.0607.02.04. ...	SB110...
6	D10	6,073	10	40	N110.0607.02.07. ...	SB110...
2	H9	2,02	6	12	N105.0202.01.01. ...	SB105...
3	H9	3,02	6,5	12	N105.0302.01.01. ...	SB105...
4	H9	4,025	6,5	15	N105.0402.01.01. ...	SB105...
4	H9	4,025	9	25	N110.0402.02.04. ...	SB110...
4	H9	4,025	9	40	N110.0402.02.07. ...	SB110...
5	H9	5,025	9	25	N110.0502.02.04. ...	SB110...
5	H9	5,025	9	40	N110.0502.02.07. ...	SB110...
6	H9	6,025	10	25	N110.0602.02.04. ...	SB110...
6	H9	6,025	10	40	N110.0602.02.07. ...	SB110...
2	P9	1,982	6	12	N105.0198.01.01. ...	SB105...
3	P9	2,989	6,5	12	N105.0298.01.01. ...	SB105...
4	P9	3,983	6,5	15	N105.0397.01.01. ...	SB105...
4	P9	3,983	9	25	N110.0397.02.04. ...	SB110...
4	P9	3,983	9	40	N110.0397.02.07. ...	SB110...
5	P9	4,983	9	25	N110.0497.02.04. ...	SB110...
5	P9	4,983	9	40	N110.0497.02.07. ...	SB110...
6	P9	5,983	10	25	N110.0597.02.04. ...	SB110...
6	P9	5,983	10	40	N110.0597.02.07. ...	SB110...

Brochage
Stozzatura

Nw	Toléran-ce Tolleranza	Largeur Larghezza	D_{min}	l_2	Plaquette Inserto ...A2/...B1	Porte outils Portainserto
2	JS9	2	6	12	N105.0200.01.01. ...	SB105...
3	JS9	3	6,5	12	N105.0300.01.01. ...	SB105...
4	JS9	4	6,5	15	N105.0400.01.01. ...	SB105...
4	JS9	4	6,5	15	N105.0400.02.01. ...	SB105...
4	JS9	4,01	9	25	N110.0400.02.04. ...	SB110...
4	JS9	4,01	9	40	N110.0400.02.07. ...	SB110...
5	JS9	5,01	9	25	N110.0500.02.04. ...	SB110...
5	JS9	5,01	9	40	N110.0500.02.07. ...	SB110...
6	JS9	6,01	10	25	N110.0600.02.04. ...	SB110...
6	JS9	6,01	10	40	N110.0600.02.07. ...	SB110...

Chanfreinage
Smussatura

Largeur Larghezza	Chanfrein Smusso	D_{min}	l_2	Plaquette Inserto ...A2/...B1	Porte outils Portainserto
4,5	45x45	6	12	N105.4545.2.6. ...	SB105
4,5	45x45	6	20	N105.4545.3.6. ...	SB105...
6,3	45x45	9	25	N110.4545.4.9. ...	SB110...
6,3	45x45	9	40	N110.4545.7.9. ...	SB110...

Hexagone intérieur
Sedi Esagone

SW	D_{min}	l_2	Plaquette Inserto ...A2/...B1	Porte outils Portainserto
2	2	4	N105.SW20.20.01. ...	SB105
2,5 - 2,9	2,5	4	N105.SW25.25.01. ...	SB105...
2,9 - 3,5	3	4,5	N105.SW30.30.01. ...	SB105...
3,5 - 4,0	3,5	5,5	N105.SW35.35.01. ...	SB105...
4,0 - 4,5	4	6	N105.SW40.40.01. ...	SB105...
4,5 - 5,0	4,5	7	N105.SW45.45.01. ...	SB105...
5,0 - 8,0	5	9	N105.SW56.56.01. ...	SB105...
8,0 - 10,0	6,5	12	N105.SW80.80.01. ...	SB105...
10,0 - 14,0	9	20	N110.SW14.14.03. ...	SB110...
14,0 - 16,5	9	25	N110.SW16.16.04. ...	SB110...

Carré intérieur
Stozzatura quadri

SQ	D_{min}	l_2	Plaquette Inserto ...A2/...B1	Porte outils Portainserto
4 - 5	4,1	10	N105.SQ.0405.1. ...	SB105
5 - 6	5,1	12	N105.SQ.0506.1. ...	SB105...
6 - 8	6,1	15	N105.SQ.0608.2. ...	SB105...
8 - 10	8,1	15	N110.SQ.0810.2. ...	SB110...
10 - 13	10,2	15	N110.SQ.1013.2. ...	SB110...

Torx
Torx

Torx	D_{min}	l_2	Plaquette Inserto ...A2/...B1	Porte outils Portainserto
T15	2,3	4	N105.TX15.24.03. ...	SB105
T20	2,8	4	N105.TX20.28.03. ...	SB105...
T25	3,1	5	N105.TX25.32.03. ...	SB105...
T30	4	5	N105.TX30.40.03. ...	SB105...

Brochage
Stozzatura

Porte outils
Portainserto
SHM117/SH117/
H117/356


Page/Pag.
752-761, 780


Page/Pag.
762


Page/Pag.
763

Plaquette de coupe
Inserto
S117

C11
Page/Pag.
764, 772

D10
Page/Pag.
765, 773

H9
Page/Pag.
766, 774

P9
Page/Pag.
767, 775

JS9
Page/Pag.
768, 776

.A.
Page/Pag.
769-771

.B.
Page/Pag.
777-779

Vue d'ensemble
Panoramica
Page/Pag.
781-783

Informations technique
Informazioni tecniche
Page/Pag.
784-785

Géométrie Geometria	Matière Materiale	Usinage Lavorazione
.A	P M K N S H	Recommended for: Broaching units Recommandé pour: Unités de brochage ap = 0,02 - 0,15 mm
.B	P M K N S H	Recommandé pour: brochage conventionnel Raccomandata per stozzatura cnc convenzionale ap = 0,02 - 0,15 mm

X

117/356



Porte outils et plaquettes

Ø Alésage à partir de 13,5 mm

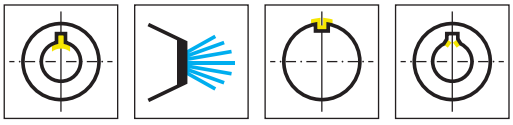
Portainserto e inserti

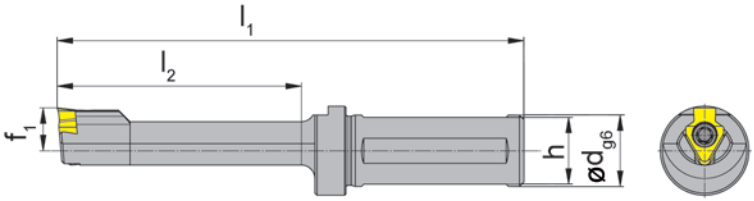
Foro-Ø da 13,5 mm

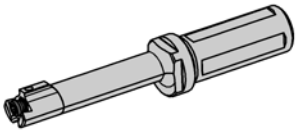
X

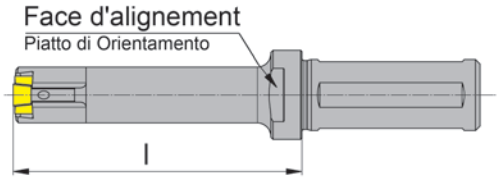
Porte outils
Portainserto

SHM117 / SH117









Numéro de commande Codice prodotto	d	h	l	l_1	l_2	D_{min}	f_1	Forme Forma	HWS
SHM117.1416.3.08*	16	15	65	105	55	14	9,6	F	117F805
SH117.1425.1.3.08.IK	25	23	32	82	20	14	9,6	G	117G805
SH117.1425.2.3.08.IK	25	23	41	91	30	14	9,6	G	117G805
SH117.1425.3.3.08.IK	25	23	51	101	40	14	9,6	G	117G805
SH117.1425.1.08.IK	25	23	42	92	30	14	9,6	F	117F805
SH117.1425.2.08.IK	25	23	52	102	40	14	9,6	F	117F805
SH117.1425.3.08.IK	25	23	81	131	70	14	9,6	F	117F805
SH117.1425.4.08.IK	25	23	96	146	85	14	9,6	F	117F805
SH117.1725.1.10.IK	25	23	53	103	40	17	9,5	A	117A005
SH117.1725.2.10.IK	25	23	68	118	55	17	9,5	A	117A005
SH117.1725.3.10.IK	25	23	83	133	70	17	9,5	A	117A005
SH117.1725.4.10.IK	25	23	98	148	85	17	9,5	A	117A005
SH117.1725.5.10.IK	25	23	113	163	100	17	9,5	A	117A005
SH117.0025.1.10.IK	25	23	63	113	50	22	12	B	117B005
SH117.0025.2.10.IK	25	23	83	133	70	22	12	B	117B005
SH117.0025.3.10.IK	25	23	103	153	90	22	12	B	117B005
SH117.0025.4.10.IK	25	23	123	173	110	22	12	B	117B005
SH117.0025.5.10.IK	25	23	143	193	130	22	12	B	117B005

Le raccord du liquide de coupe G1/8 ne fait pas partie de la référence. Merci de le commander séparément.
L'adduttore del refrigerante G1/8 va ordinato separatamente!

*Matière du corps : alliage de tungstène (donne une bonne résistance aux vibrations)
*Gambo in lega di tungsteno per conferire una buona resistenza alle vibrazioni

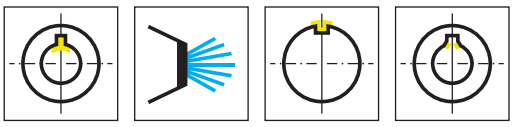
X

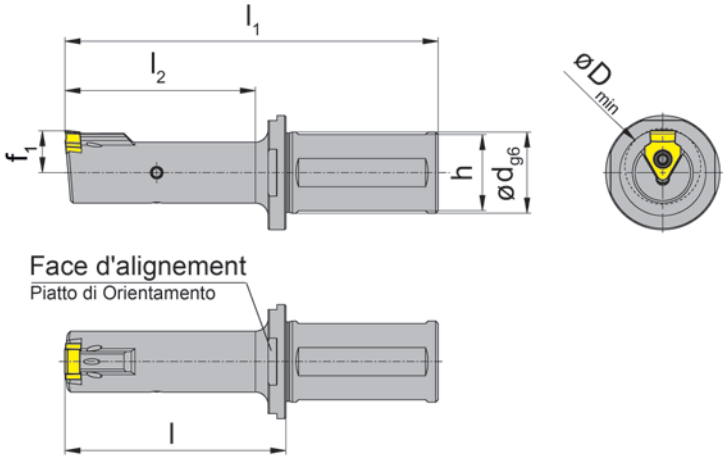
Pièces Détachées
Ricambi

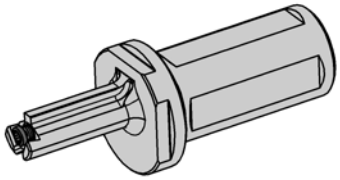
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117...08.IK	**030.3509.T15P**	**T15PQ**
SH117...10.IK	**4.09T15P**	**T15PQ**
SH117...16.IK	**5.12T20P**	**T20PQ**
SHM117.1416.3.08	**030.350P.0709**	**T15PQ**

Porte outils
Portainserto

SH117







Numéro de commande Codice prodotto	d	h	l	l_1	l_2	D_{min}	f_1	Forme Forma	HWS
SH117.0032.1.16.IK	32	30	63	123	50	38	22	D	117D605
SH117.0032.2.16.IK	32	30	88	148	75	38	22	D	117D605
SH117.0032.3.16.IK	32	30	113	173	100	38	22	D	117D605
SH117.0032.4.16.IK	32	30	138	198	125	38	22	D	117D605
SH117.0032.5.16.IK	32	30	163	223	150	38	22	D	117D605
SH117.0032.6.16.IK	32	30	188	248	175	38	22	D	117D605
SH117.0032.7.16.IK	32	30	213	293	200	38	22	D	117D605
SH117.3032.1.16.IK	32	30	63	123	50	30	16,5	C	117C605
SH117.3032.2.16.IK	32	30	88	148	75	30	16,5	C	117C605
SH117.3032.3.16.IK	32	30	113	173	100	30	16,5	C	117C605
SH117.3032.4.16.IK	32	30	138	198	125	30	16,5	C	117C605
SH117.3032.5.16.IK	32	30	163	223	150	30	16,5	C	117C605
SH117.3032.6.16.IK	32	30	188	248	175	30	16,5	C	117C605

Le raccord du liquide de coupe G1/8 ne fait pas partie de la référence. Merci de le commander séparément.
L'adduttore del refrigerante G1/8 va ordinato separatamente!

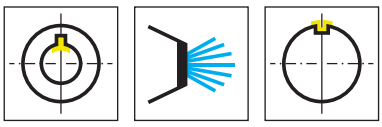
X

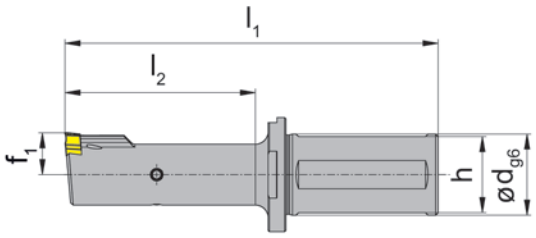
Pièces Détachées
Ricambi

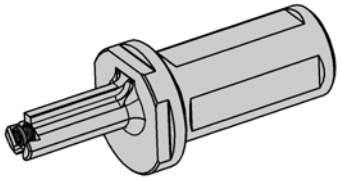
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117...	**5.12T20P**	**T20PQ**

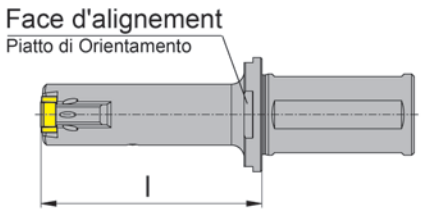
Porte outils
Portainserto

SH117









Numéro de commande Codice prodotto	d	h	l	l_1	l_2	D_{min}	f_1	Forme Forma	HWS
SH117.4032.1.16.IK	32	30	63	123	50	40	21,5	E	117E605
SH117.4032.2.16.IK	32	30	88	148	75	40	21,5	E	117E605
SH117.4032.3.16.IK	32	30	113	173	100	40	21,5	E	117E605
SH117.4032.4.16.IK	32	30	138	198	125	40	21,5	E	117E605
SH117.4032.5.16.IK	32	30	163	223	150	40	21,5	E	117E605
SH117.4032.6.16.IK	32	30	188	248	175	40	21,5	E	117E605
SH117.4032.7.16.IK	32	30	213	293	200	40	21,5	E	117E605
SH117.4032.1.20.IK	32	30	63	123	50	40	21	H	117H005
SH117.4032.2.20.IK	32	30	113	173	100	40	21	H	117H005
SH117.4032.3.20.IK	32	30	163	223	150	40	21	H	117H005
SH117.5040.1.20.IK	40	38	65	125	50	50	26,5	I	117I005
SH117.5040.2.20.IK	40	38	115	175	100	50	26,5	I	117I005
SH117.5040.3.20.IK	40	38	165	225	150	50	26,5	I	117I005
SH117.5040.4.20.IK	40	38	215	295	200	50	26,5	I	117I005

Le raccord du liquide de coupe G1/8 ne fait pas partie de la référence. Merci de le commander séparément.
L'adduttore del refrigerante G1/8 va ordinato separatamente!

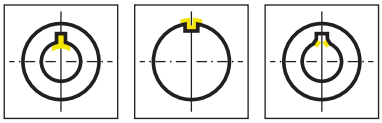
X

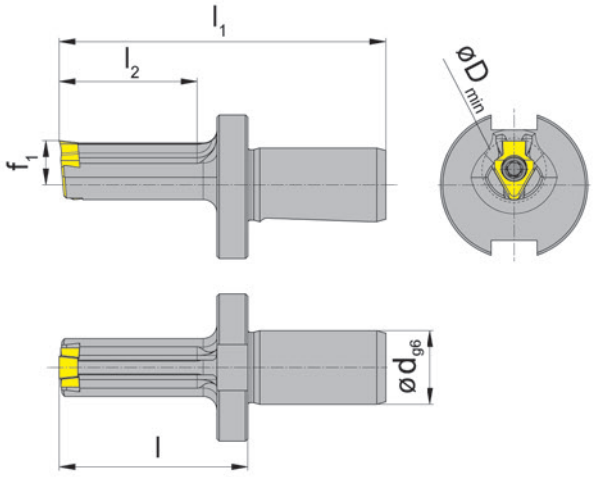
Pièces Détachées
Ricambi

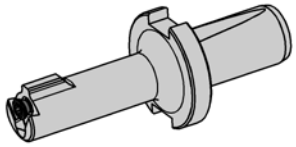
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117.4032...	**5.12T20P**	**T20PQ**
SH117...	**6.17T20P**	**T20PQ**

Porte outils
Portainserto

SH117







Numéro de commande Codice prodotto	d	l	l_1	l_2	D_{min}	f_1	Forme Forma	HWS	HMS
SH117.1416.E1.08	16	46	76	35	14	9,6	F	117F805	Benz
SH117.1716.E0.10	16	31	61	20	17	9,5	A	117A005	Benz
SH117.1716.E1.10	16	43	73	35	17	9,5	A	117A005	Benz
SH117.1716.E2.10	16	51	81	40	17	9,5	A	117A005	Benz
SH117.1716.E3.10	16	64	94	53	17	9,5	A	117A005	Benz
SH117.0016.E1.10	16	43	73	35	22	12	B	117B005	Benz
SH117.0016.E2.10	16	51	81	40	22	12	B	117B005	Benz
SH117.0016.E3.10	16	64	94	53	22	12	B	117B005	Benz

Seulement utilisable pour les dispositifs de brochage EWS, BENZ LinA
Utilizzabile solamente con unità a stozzare EWS, BENZ LinA

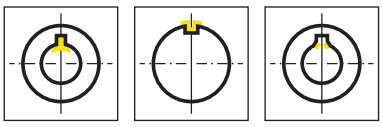
X

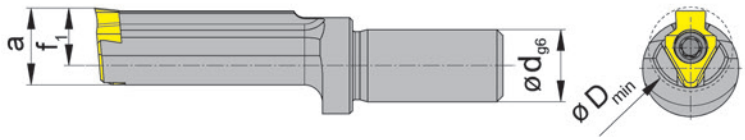
Pièces Détachées
Ricambi

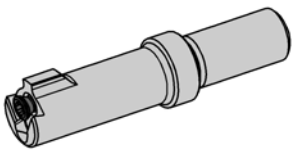
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117.1416.E1.08	**030.3509.T15P**	**T15PQ**
SH117...	**4.09T15P**	**T15PQ**

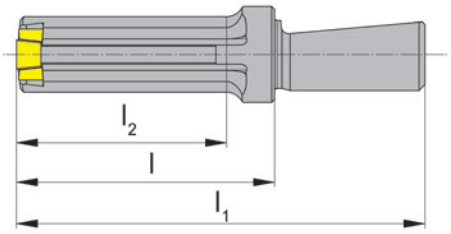
Porte outils
Portainserto

SH117 / H117









Numéro de commande Codice prodotto	d	l	l_1	l_2	D_{min}	f_1	a	Forme Forma	HWS	HMS
SH117.1412.S1.08	12	33	58	25	14	9,6	12,8	F	117F805	Schwarzer
SH117.1412.S2.08	12	43	68	35	14	9,6	12,8	F	117F805	Schwarzer
H117.1712.1439	12	33	58	25	17	9,5	16	A	117A005	Schwarzer
H117.1712.1407	12	43	68	35	17	9,5	16	A	117A005	Schwarzer
H117.2212.1441	12	33	58	25	22	12	20,75	B	117B005	Schwarzer
H117.2212.1442	12	43	68	35	22	12	20,75	B	117B005	Schwarzer
H117.3012.1440	12	33	58	25	30	16,5	28,5	C	117C605	Schwarzer
H117.3012.1419	12	43	68	35	30	16,5	28,5	C	117C605	Schwarzer

Pour les dispositifs de brochage Schwarzer
Per Unità a Stozzare Schwarzer

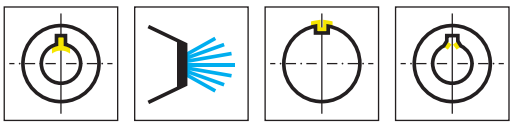
X

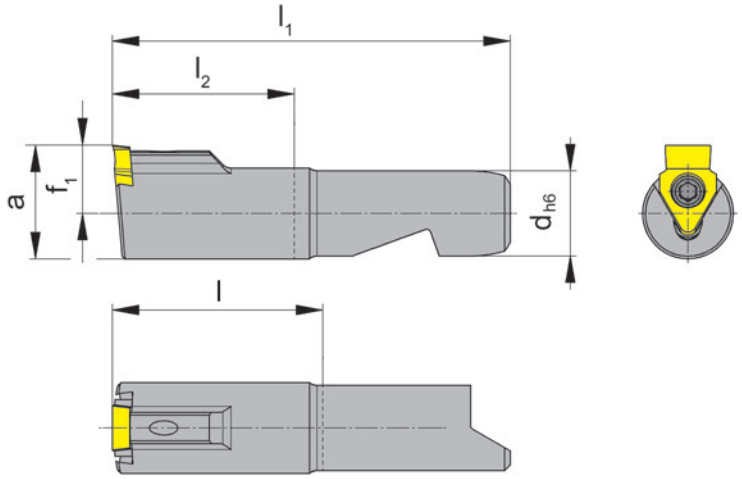
Pièces Détachées
Ricambi

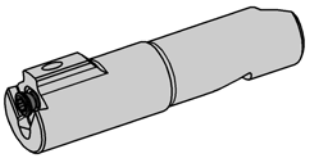
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117.1412....	**030.3509.T15P**	**T15PQ**
H117...	**4.09T15P**	**T15PQ**
H117.3012.1...	**5.12T20P**	**T20PQ**

Porte outils
Portainserto

SH117







Numéro de commande Codice prodotto	d	l	l_1	l_2	D_{min}	f_1	a	Forme Forma	HWS	HMS
SH117.0932.S.08	15	37	70	32	14	9,6	12,8	F	117F805	Schwarzer
SH117.1532.S.10	15	37	70	32	22	12	20	B	117B005	Schwarzer
SH117.1538.S.16	15	43	76	38	30	15	24	C	117C605	Schwarzer
SH117.1544.S.16	15	49	82	44	30	15	24	C	117C605	Schwarzer

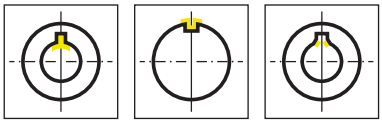
Pour les dispositifs de brochage Schwarzer „2 sur 1“
Per Unità a Stozzare Schwarzer „2in1“

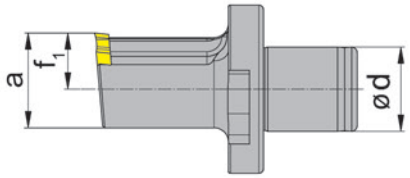
Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117.0932.S.08	**030.3509.T15P**	**T15PQ**
SH117.1532.S.10	**4.09T15P**	**T15PQ**
SH117.1...	**5.12T20P**	**T20PQ**

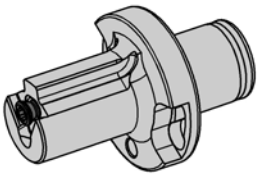
Porte outils
Portainserto

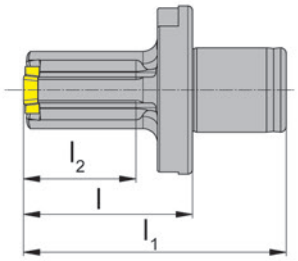
SH117











Numéro de commande Codice prodotto	d	l	l_1	l_2	D_{min}	f_1	a	Forme Forma	HWS	HMS
SH117.2218.A1.10	18	36	56	24	22	12	20,25	B	117B005	AR2P
SH117.2218.A2.10	18	44	64	33	22	12	20,25	B	117B005	AR2P
SH117.2218.A3.10	18	55	75	44	22	12	20,25	B	117B005	AR2P

Pour les dispositifs de brochage AP2R/AP3R
Per Unità a Stozzare AP2R/AP3R

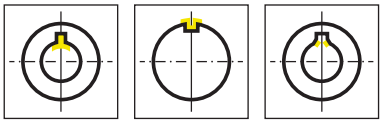
X

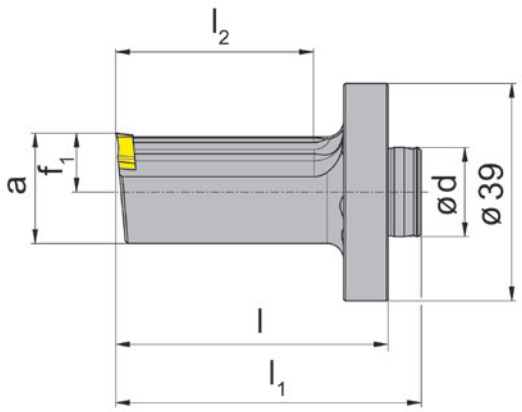
Pièces Détachées
Ricambi

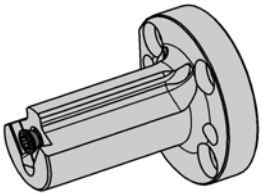
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117...	**4.09T15P**	**T15PQ**

Porte outils
Portainserto

SH117







Numéro de commande Codice prodotto	d	l	l_1	l_2	D_{min}	f_1	a	Forme Forma	HWS	HMS
SH117.1416.W1.08	16	47	53	35	14	9,6	12,8	F	117F805	WTO-32
SH117.1716.W1.10	16	49	55	35	17	8,3	15,1	A	117A005	WTO-32
SH117.2216.W1.10	16	49	55	35	22	10,6	19,8	B	117B005	WTO-32
SH117.2616.W1.16	16	49	55	35	26	12,6	23,5	C	117C605	WTO-32
SH117.1416.W2.08	16	67	73	55	14	9,6	12,8	F	117F805	WTO-52
SH117.1716.W2.10	16	67	73	55	17	8,3	15,1	A	117A005	WTO-52
SH117.2216.W2.10	16	67	73	55	22	10,6	20,05	B	117B005	WTO-52
SH117.2616.W2.16	16	67	73	55	26	12,6	23,5	C	117C605	WTO-52
SH117.1714.W3.10	14	38	44	28	17	8,6	15,1	A	117A005	WTO-26

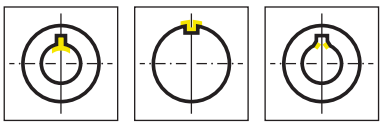
Pour les dispositifs de brochage WTO
Per Unità a Stozzare WTO

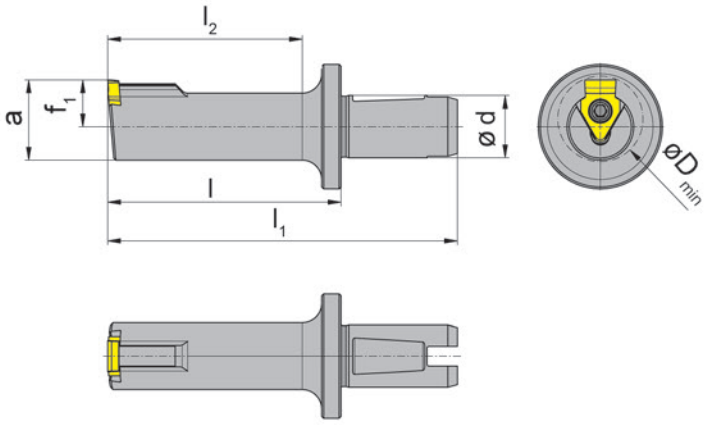
Pièces Détachées
Ricambi

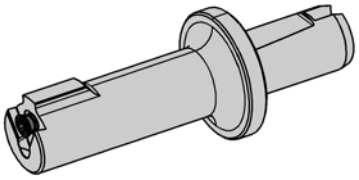
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117.1416....	**030.3509.T15P**	**T15PQ**
SH117...	**4.09T15P**	**T15PQ**
SH117.2616....	**5.12T20P**	**T20PQ**

Porte outils
Portainserto

SH117







Numéro de commande Codice prodotto	d	l	l_1	l_2	D_{min}	f_1	a	Forme Forma	HWS	HMS
SH117.1716.MT2.10	16	60	90	50	17	9,5	16	A	117A005	MT
SH117.2216.MT2.10	16	60	90	50	22	12	20,6	B	117B005	MT
SH117.3016.MT2.16	16	58	88	50	30	16,5	28,5	C	117C605	MT

Pour les dispositifs de brochage MT Marchetti
Per Unità a Stozzare MT Marchetti

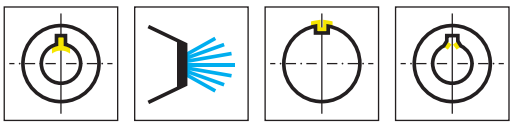
X

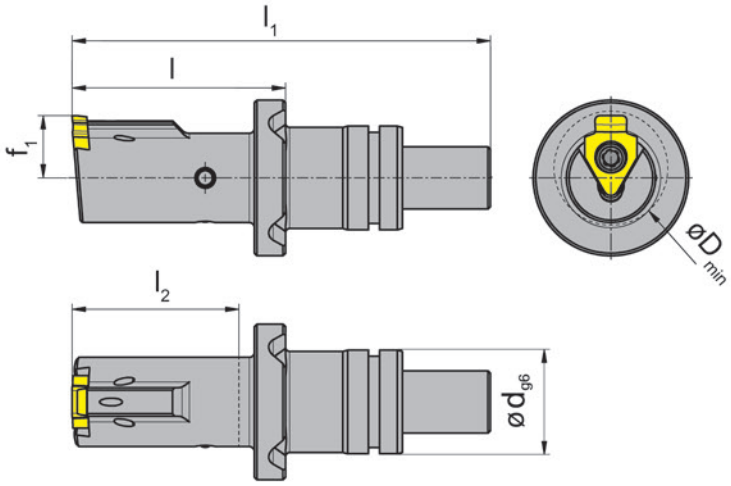
Pièces Détachées
Ricambi

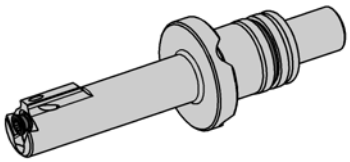
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117...	**4.09T15P**	**T15PQ**
SH117.3016.MT2.16	**5.12T20P**	**T20PQ**

Porte outils
Portainserto

SH117







Numéro de commande Codice prodotto	d	l	l_1	l_2	D_{min}	f_1	Forme Forma	HWS	HMS
SH117.1420.E5.08.IK	20	42,5	82	32	14	9,6	F	117F805	Benz
SH117.1420.E6.08.IK	20	60,7	100,2	51	14	9,6	F	117F805	Benz
SH117.1720.E5.10.IK	20	41	80,5	32	17	9,5	A	117A005	Benz
SH117.1720.E6.10.IK	20	60	99,5	51	17	9,5	A	117A005	Benz
SH117.2220.E5.10.IK	20	41	80,5	32	22	12	B	117B005	Benz
SH117.2220.E6.10.IK	20	60	99,5	51	22	12	B	117B005	Benz
SH117.3020.E5.16.IK	20	41	80,5	32	30	16,5	C	117C605	Benz
SH117.3020.E6.16.IK	20	60	99,5	51	30	16,5	C	117C605	Benz

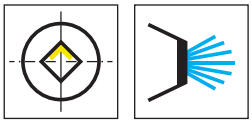
Seulement utilisable pour les dispositifs de brochage EWSP20, BENZ LinA 4.0 avec IK
Utilizzabile solamente con unità a stozzare EWSP20, BENZ LinA 4.0 con IK

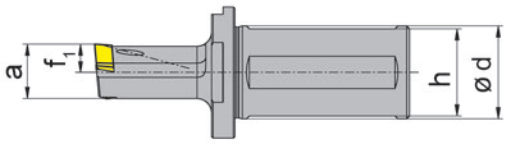
Pièces Détachées
Ricambi

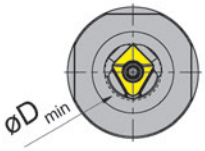
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117.1420....	**030.3509.T15P**	**T15PQ**
SH117...	**4.09T15P**	**T15PQ**
SH117.3020....	**5.12T20P**	**T20PQ**

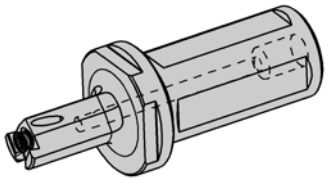
Porte outils
Portainserto

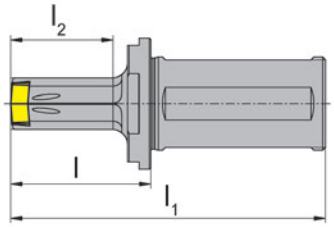
SH117











Numéro de commande Codice prodotto	d	h	l	l_1	l_2	D_{min}	f_1	a	Forme Forma	HWS
SH117.1325.SQ.1.08.IK	25	23	38	88	25	13,5	6,5	12,8	O	117O805
SH117.1525.SQ.1.10.IK	25	23	38	88	25	15,5	7,5	14,65	P	117P005
SH117.1732.SQ.1.12.IK	32	30	43	103	30	17,5	8,5	16,5	Q	117Q205
SH117.1932.SQ.1.16.IK	32	30	48	108	35	19,5	9,7	18,7	R	117R605

Le raccord du liquide de coupe G1/8 ne fait pas partie de la référence. Merci de le commander séparément.
L'adduttore del refrigerante G1/8 va ordinato separatamente!

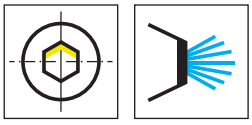
X

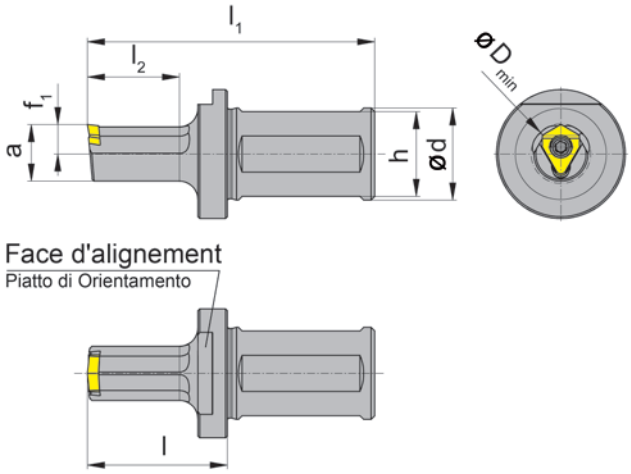
Pièces Détachées
Ricambi

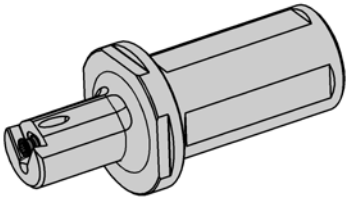
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117.1325.SQ.1.08.IK	**030.3509.T15P**	**T15PQ**
SH117....	**4.09T15P**	**T15PQ**
SH117.1932.SQ.1.16.IK	**5.12T20P**	**T20PQ**

Porte outils
Portainserto

SH117







Numéro de commande Codice prodotto	d	h	l	l_1	l_2	D_{min}	f_1	a	Forme Forma	HWS
SH117.1425.30.1.08.IK	25	23	33	83	20	14,2	6,75	13	K	117K805
SH117.1625.30.1.10.IK	25	23	38	88	25	16,2	7,75	15	L	117L005
SH117.2432.30.1.12.IK	32	30	43	103	30	24,3	11,3	22	M	117M205
SH117.3032.30.1.16.IK	32	30	53	113	40	30,5	14,5	28	N	117N605

Le raccord du liquide de coupe G1/8 ne fait pas partie de la référence. Merci de le commander séparément.
L'adduttore del refrigerante G1/8 va ordinato separatamente!

X

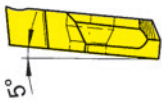
Pièces Détachées
Ricambi

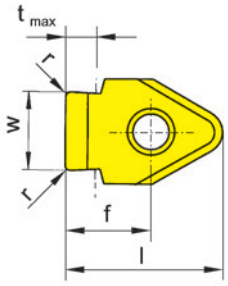
Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
SH117.1425.30.1.08.IK	**030.3509.T15P**	**T15PQ**
SH117...	**4.09T15P**	**T15PQ**
SH117.3032.30.1.16.IK	**5.12T20P**	**T20PQ**

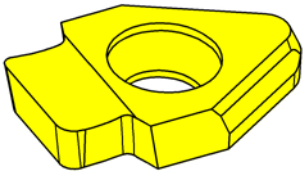
Plaquette de coupe
Inserto

S117









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Nw	w	l	r	D_{min}	t_{max}	f	Forme Forma	HIS	AN45
S117.0412.05.08.A1	4	4,12	13	0,5	14	2,1	6	F	117F805	▲
S117.0612.09.10.A1	6	6,12	16	0,85	22	2,6	8	B	117B005	▲
S117.0713.11.10.A1	7	7,13	16	1,05	22	3,3	8	B	117B005	▲
S117.0813.11.10.A1	8	8,13	16	1,05	22	3,4	8	B	117B005	▲
S117.1013.11.14.A1	10	10,13	20,7	1,05	30	4,2	11,2	C	117C605	▲
S117.1215.14.14.A1	12	12,15	20,7	1,35	38	5,1	11,2	D	117D605	▲
S117.1215.18.14.A1	16	12,15	20,7	1,75	38	6,6	11,2	D	117D605	▲
S117.1215.23.14.A1	24	12,15	20,7	2,25	38	8,5	11,2	D	117D605	▲

P	●
M	o
K	●
N	●
S	o
H	-

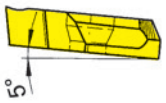
Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

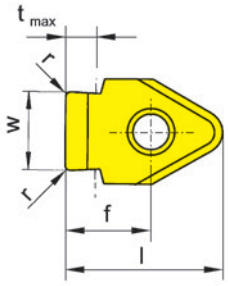
X

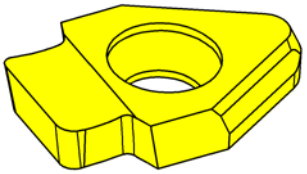
Plaquette de coupe
Inserto

S117









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Nw	w	l	r	D_{min}	t_{max}	f	Forme Forma	HIS	AN45
S117.0305.01.08.A1	3	3,05	13	0,12	14	2	6	G	117G805	▲
S117.0407.01.08.A1	4	4,07	13	0,12	14	2,2	6	F	117F805	▲
S117.0507.02.08.A1	5	5,07	13	0,2	14	2,9	6	F	117F805	▲
S117.0507.02.10.A1	5	5,07	14,5	0,2	17	2,8	6,5	A	117A005	▲
S117.0607.02.10.A1	6	6,07	14,5	0,2	17	3,5	6,5	A	117A005	▲
S117.0808.02.10.A1	8	8,08	16	0,2	22	4,3	8	B	117B005	▲
S117.1008.03.14.A1	10	10,08	20,7	0,3	30	4,4	11,2	C	117C605	▲
S117.1210.03.14.A1	12	12,1	20,7	0,3	38	5,9	11,2	D	117D605	▲
S117.1410.03.16.A1	14	14,1	20,7	0,3	40	6,8	11,2	E	117E605	▲

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

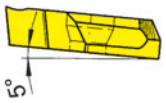
P	●
M	o
K	●
N	●
S	o
H	-

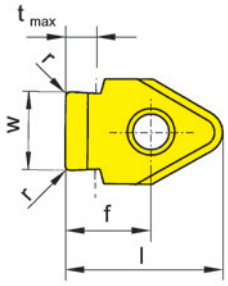
X

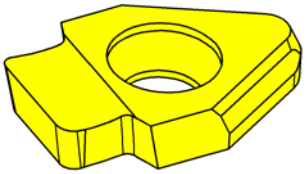
Plaquette de coupe
Inserto

S117









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Nw	w	l	r	D_{min}	t_{max}	f	Forme Forma	HIS	AN45
S117.0302.01.08.A1	3	3,02	13	0,12	14	2	6	G	117G805	▲
S117.0402.01.08.A1	4	4,02	13	0,12	14	2,2	6	F	117F805	▲
S117.0502.02.08.A1	5	5,02	13	0,2	14	2,9	6	F	117F805	▲
S117.0502.02.10.A1	5	5,02	14,5	0,2	17	2,8	6,5	A	117A005	▲
S117.0602.02.10.A1	6	6,02	14,5	0,2	17	3,5	6,5	A	117A005	▲
S117.0803.02.10.A1	8	8,03	16	0,2	22	4,3	8	B	117B005	▲
S117.1003.03.14.A1	10	10,03	20,7	0,3	30	4,4	11,2	C	117C605	▲
S117.1203.03.14.A1	12	12,04	20,7	0,3	38	5,9	11,2	D	117D605	▲
S117.1403.03.16.A1	14	14,04	20,7	0,3	40	6,8	11,2	E	117E605	▲

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

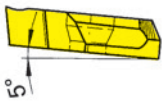
P	●
M	o
K	●
N	●
S	o
H	-

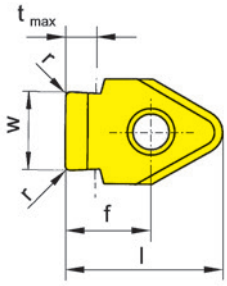
X

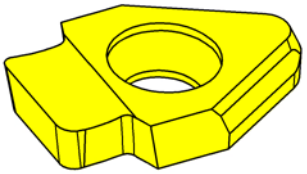
Plaquette de coupe
Inserto

S117

P9 | .A.







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Nw	w	l	r	D_{min}	t_{max}	f	Forme Forma	HIS	AN45
S117.0298.01.08.A1	3	2,99	13	0,12	14	2	6	G	117G805	▲
S117.0397.01.08.A1	4	3,98	13	0,12	14	2,2	6	F	117F805	▲
S117.0497.02.08.A1	5	4,98	13	0,2	14	2,9	6	F	117F805	▲
S117.0497.02.10.A1	5	4,98	14,5	0,2	17	2,8	6,5	A	117A005	▲
S117.0597.02.10.A1	6	5,98	14,5	0,2	17	3,5	6,5	A	117A005	▲
S117.0796.02.10.A1	8	7,98	16	0,2	22	4,3	8	B	117B005	▲
S117.0996.03.14.A1	10	9,98	20,7	0,3	30	4,4	11,2	C	117C605	▲
S117.1196.03.14.A1	12	11,97	20,7	0,3	38	5,9	11,2	D	117D605	▲
S117.1396.03.16.A1	14	13,97	20,7	0,3	40	6,8	11,2	E	117E605	▲

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

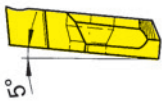
P	●
M	o
K	●
N	●
S	o
H	-

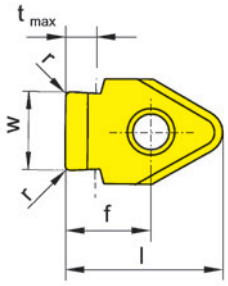
X

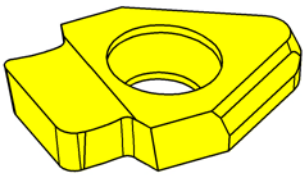
Plaquette de coupe
Inserto

S117

JS9 | .A.







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Nw	w	l	r	D_{min}	t_{max}	f	Forme Forma	HIS	AN45
S117.0300.01.08.A1	3	3,01	13	0,12	14	2	6	G	117G805	▲
S117.0400.01.08.A1	4	4,01	13	0,12	14	2,2	6	F	117F805	▲
S117.0500.02.08.A1	5	5,01	13	0,2	14	2,9	6	F	117F805	▲
S117.0500.02.10.A1	5	5,01	14,5	0,2	17	2,8	6,5	A	117A005	▲
S117.0600.02.10.A1	6	6,01	14,5	0,2	17	3,5	6,5	A	117A005	▲
S117.0800.02.10.A1	8	8,01	16	0,2	22	4,3	8	B	117B005	▲
S117.1000.03.14.A1	10	10,01	20,7	0,3	30	4,4	11,2	C	117C605	▲
S117.1200.03.14.A1	12	12,01	20,7	0,3	38	5,9	11,2	D	117D605	▲
S117.1200.05.14.A1	12	12	20,7	0,5	38	8,5	11,2	D	117D605	▲
S117.1400.03.16.A1	14	14,01	20,7	0,3	40	6,8	11,2	E	117E605	▲

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

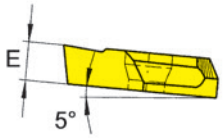
P	●
M	o
K	●
N	●
S	o
H	-

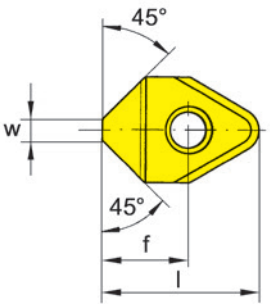
X

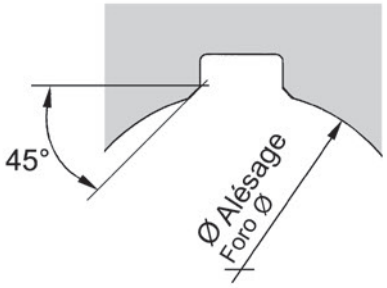
Plaquette de coupe
Inserto

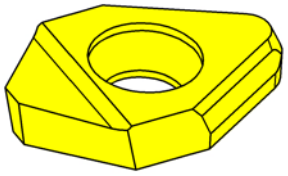
S117











Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	l	D_{min}	f	Forme Forma	HIS	AN45
S117.1545.10.A1	1,5	16	17	8	A	117A005	▲
S117.2445.08.A1	2,4	13	14	6	F	117F805	▲
S117.3045.10.A1	3	16	22	8	B	117B005	▲
S117.6045.14.A1	6	20,7	30	11,2	C/D	117C605 • 117D605	▲

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

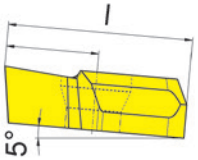
P	•
M	o
K	•
N	•
S	o
H	-

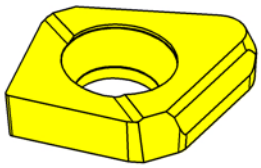
X

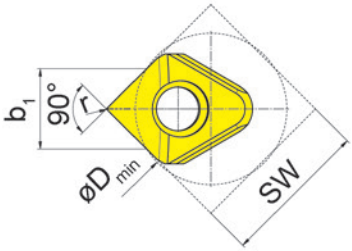
Plaquette de coupe
Inserto

S117









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	SW	b_1	l	r	D_{min}	Forme Forma	Porte outils Portainserto	HIS	AN45
S117.SQ.1315.08.A1	13-15	6,61-7,84	13	0,2	13,5	O	SH117.1325.SQ.1.08.IK	117O805	▲
S117.SQ.1517.10.A1	15-17	7,84-9,08	14,8	0,2	15,5	P	SH117.1525.SQ.1.10 IK	117P005	▲
S117.SQ.1719.12.A1	17-19	9,08-10,33	16,7	0,2	17,5	Q	SH117.1732.SQ.1.12.IK	117Q205	▲
S117.SQ.1922.16.A1	19-22	10,33-12,22	19	0,2	19,5	R	SH117.1932.SQ.1.16.IK	117R605	▲

Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

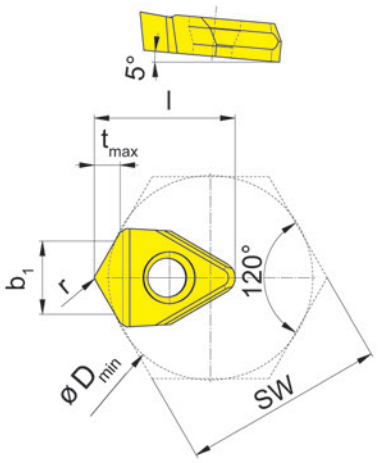
P	●
M	o
K	●
N	●
S	o
H	-

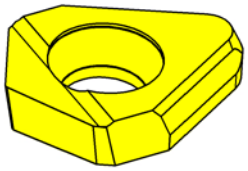
X

Plaquette de coupe
Inserto

S117

.A.





Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	SW	b_1	l	r	D_{min}	t_{max}	Forme Forma	Porte outils Portainserto	HIS		AN45
S117.SW14.08.A1	14-16	4,94-5,80	13	0,2	SW+r	1,9	K	SH117.1425.30.1.08	117K805		▲
S117.SW16.10.A1	16-22	5,80-8,43	14	0,2	SW+r	2,5	L	SH117.1625.30.1.10	117L005		▲
S117.SW24.12.A1	24-27	8,70-10,00	17	0,3	SW+r	3	M	SH117.2432.30.1.12	117M205		▲
S117.SW30.16.A1	30-36	11,32-13,97	20,7	0,3	SW+r	4,2	N	SH117.3032.30.1.16	117N605		▲
										P	●
										M	o
										K	●
										N	●
										S	o
										H	-

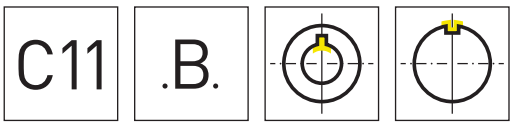
Recommandé pour: Unités de brochage
Raccomandato per unità a stozzare motorizzate

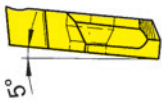
pour porte outils hexagone intérieur
per portainserti sedi esagone

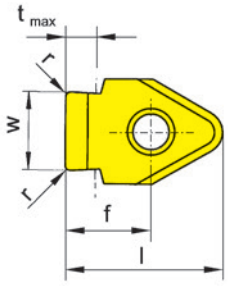
X

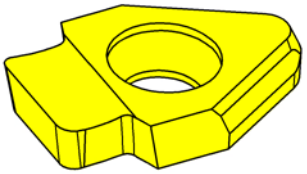
Plaquette de coupe
Inserto

S117









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Nw	w	l	r	D_{min}	t_{max}	f	Forme Forma	HIS	AN45
S117.0310.04.08.B1	3	3,1	13	0,35	14	2	6	G	117G805	▲
S117.0412.05.08.B1	4	4,12	13	0,5	14	2,1	6	F	117F805	▲
S117.0612.09.10.B1	6	6,12	16	0,85	22	2,6	8	B	117B005	▲
S117.0713.11.10.B1	7	7,13	16	1,05	22	3,3	8	B	117B005	▲
S117.0813.11.10.B1	8	8,13	16	1,05	22	3,4	8	B	117B005	▲
S117.1013.11.14.B1	10	10,13	20,7	1,05	30	4,2	11,2	C	117C605	▲
S117.1215.14.14.B1	12	12,15	20,7	1,35	38	5,1	11,2	D	117D605	▲
S117.1215.18.14.B1	16	12,15	20,7	1,75	38	6,6	11,2	D	117D605	▲
S117.1215.23.14.B1	24	12,15	20,7	2,25	38	8,5	11,2	D	117D605	▲
S117.1417.14.16.B1	14	14,17	20,7	1,35	40	6,8	11,2	E	117E605	▲
S117.1617.18.18.B1	16	16,17	28,6	1,75	40	6,8	15,6	H	117H005	▲
S117.1817.18.20.B1	18	18,17	28,6	1,75	50	7,8	15,6	I	117I005	▲
S117.2020.20.20.B1	20	20,2	28,6	1,95	50	7,8	15,6	I	117I005	▲

Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

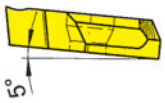
P	●
M	o
K	●
N	●
S	o
H	-

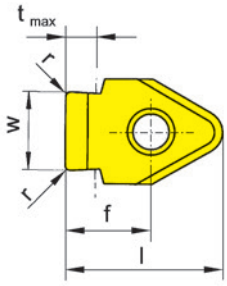
X

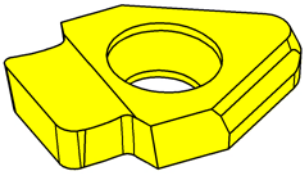
Plaquette de coupe
Inserto

S117

D10 .B.







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Nw	w	l	r	D_{min}	t_{max}	f	Forme Forma	HIS	AN45
S117.0305.01.08.B1	3	3,05	13	0,12	14	2	6	G	117G805	▲
S117.0407.01.08.B1	4	4,07	13	0,12	14	2,2	6	F	117F805	▲
S117.0507.02.08.B1	5	5,07	13	0,2	14	2,9	6	F	117F805	▲
S117.0507.02.10.B1	5	5,07	14,5	0,2	17	2,8	6,5	A	117A005	▲
S117.0607.02.10.B1	6	6,07	14,5	0,2	17	3,5	6,5	A	117A005	▲
S117.0808.02.10.B1	8	8,08	16	0,2	22	4,3	8	B	117B005	▲
S117.1008.03.14.B1	10	10,08	20,7	0,3	30	4,4	11,2	C	117C605	▲
S117.1210.03.14.B1	12	12,1	20,7	0,3	38	5,9	11,2	D	117D605	▲
S117.1410.03.16.B1	14	14,1	20,7	0,3	40	6,8	11,2	E	117E605	▲
S117.1610.03.18.B1	16	16,1	26,8	0,3	40	6,8	15,4	H	117H005	▲
S117.1810.03.20.B1	18	18,1	26,8	0,3	50	7,8	15,6	I	117I005	▲
S117.2012.05.20.B1	20	20,12	26,8	0,5	50	8,5	15,6	I	117I005	▲

P	●
M	o
K	●
N	●
S	o
H	-

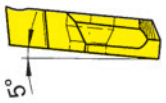
Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

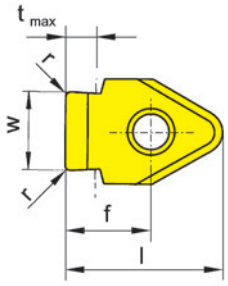
X

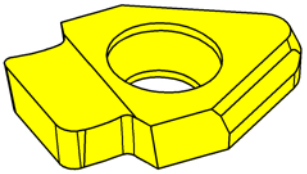
Plaquette de coupe
Inserto

S117

H9 | .B.







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Nw	w	l	r	D_{min}	t_{max}	f	Forme Forma	HIS	AN45
S117.0302.01.08.B1	3	3,02	13	0,12	14	2	6	G	117G805	▲
S117.0402.01.08.B1	4	4,02	13	0,12	14	2,2	6	F	117F805	▲
S117.0502.02.08.B1	5	5,02	13	0,2	14	2,9	6	F	117F805	▲
S117.0502.02.10.B1	5	5,02	14,5	0,2	17	2,8	6,5	A	117A005	▲
S117.0602.02.10.B1	6	6,02	14,5	0,2	17	3,5	6,5	A	117A005	▲
S117.0803.02.10.B1	8	8,03	16	0,2	22	4,3	8	B	117B005	▲
S117.1003.03.14.B1	10	10,03	20,7	0,3	30	4,4	11,2	C	117C605	▲
S117.1203.03.14.B1	12	12,04	20,7	0,3	38	5,9	11,2	D	117D605	▲
S117.1403.03.16.B1	14	14,04	20,7	0,3	40	6,8	11,2	E	117E605	▲
S117.1603.03.18.B1	16	16,04	28,6	0,3	40	6,8	15,6	H	117H005	▲
S117.1803.03.20.B1	18	18,04	28,6	0,3	50	7,8	15,6	I	117I005	▲
S117.2004.05.20.B1	20	20,04	28,6	0,5	50	8,5	15,6	I	117I005	▲

P	●
M	o
K	●
N	●
S	o
H	-

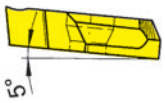
Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

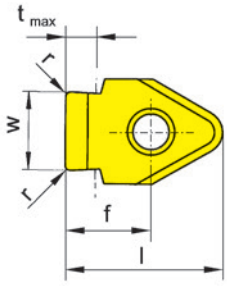
X

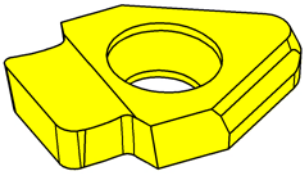
Plaquette de coupe
Inserto

S117

P9 | .B.







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Nw	w	l	r	D_{min}	t_{max}	f	Forme Forma	HIS	AN45
S117.0298.01.08.B1	3	2,99	13	0,12	14	2	6	G	117G805	▲
S117.0397.01.08.B1	4	3,98	13	0,12	14	2,2	6	F	117F805	▲
S117.0497.02.08.B1	5	4,98	13	0,2	14	2,9	6	F	117F805	▲
S117.0497.02.10.B1	5	4,98	14,5	0,2	17	2,8	6,5	A	117A005	▲
S117.0597.02.10.B1	6	5,98	14,5	0,2	17	3,5	6,5	A	117A005	▲
S117.0796.02.10.B1	8	7,98	16	0,2	22	4,3	8	B	117B005	▲
S117.0996.03.14.B1	10	9,98	20,7	0,3	30	4,4	11,2	C	117C605	▲
S117.1196.03.14.B1	12	11,97	20,7	0,3	38	5,9	11,2	D	117D605	▲
S117.1396.03.16.B1	14	13,97	20,7	0,3	40	6,8	11,2	E	117E605	▲
S117.1597.03.18.B1	16	15,97	28,6	0,3	40	6,8	15,6	H	117H005	▲
S117.1797.03.20.B1	18	17,97	28,6	0,3	50	7,8	15,6	I	117I005	▲
S117.1997.05.20.B1	20	19,97	28,6	0,5	50	8,5	15,6	I	117I005	▲

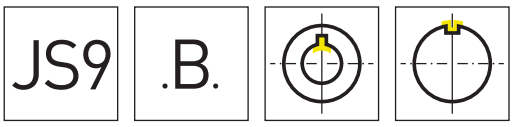
P	●
M	o
K	●
N	●
S	o
H	-

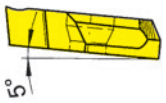
Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

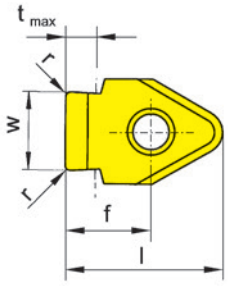
X

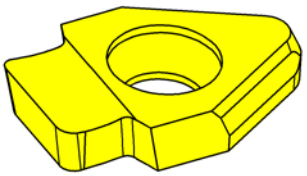
Plaquette de coupe
Inserto

S117









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Nw	w	l	r	D_{min}	t_{max}	f	Forme Forma	HIS	AN45
S117.0300.01.08.B1	3	3,01	13	0,12	14	2	6	G	117G805	▲
S117.0400.01.08.B1	4	4,01	13	0,12	14	2,2	6	F	117F805	▲
S117.0500.02.08.B1	5	5,01	13	0,2	14	2,9	6	F	117F805	▲
S117.0500.02.10.B1	5	5,01	14,5	0,2	17	2,8	6,5	A	117A005	▲
S117.0600.02.10.B1	6	6,01	14,5	0,2	17	3,5	6,5	A	117A005	▲
S117.0800.02.10.B1	8	8,01	16	0,2	22	4,3	8	B	117B005	▲
S117.1000.03.14.B1	10	10,01	20,7	0,3	30	4,4	11,2	C	117C605	▲
S117.1200.03.14.B1	12	12,01	20,7	0,3	38	5,9	11,2	D	117D605	▲
S117.1200.05.14.B1	12	12	20,7	0,5	38	8,5	11,2	D	117D605	▲
S117.1400.03.16.B1	14	14,01	20,7	0,3	40	6,8	11,2	E	117E605	▲
S117.1601.03.18.B1	16	16,01	28,6	0,3	40	6,8	15,6	H	117H005	▲
S117.1801.03.20.B1	18	18,01	28,6	0,3	50	7,8	15,6	I	117I005	▲
S117.2002.05.20.B1	20	20,02	28,6	0,5	50	8,5	15,6	I	117I005	▲

P	●
M	o
K	●
N	●
S	o
H	-

Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

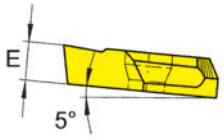
Plaquette S117.1200.05.14 = Nw **à partir** 12 mm!
Inserto S117.1200.05.14 = Nw da 12 mm!

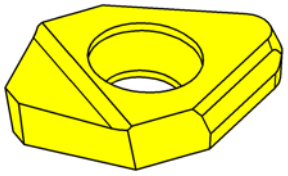
X

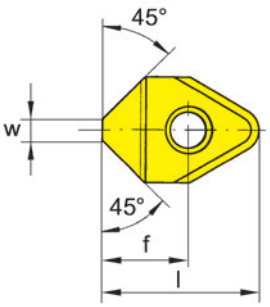
Plaquette de coupe
Inserto

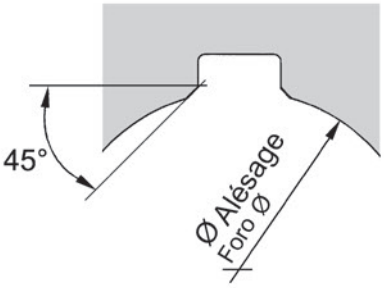
S117

.B.









Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	w	l	D_{min}	f	Forme Forma	HIS	AN45
S117.1545.10.B2	1,5	16	17	8	A	117A005	▲
S117.2445.08.B2	2,4	13	14	6	F	117F805	▲
S117.3045.10.B2	3	16	22	8	B	117B005	▲
S117.6045.14.B2	6	20,7	30	11,2	C/D	117C605 • 117D605	▲

Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

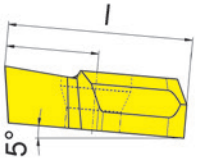
P	•
M	o
K	•
N	•
S	o
H	-

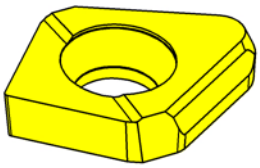
X

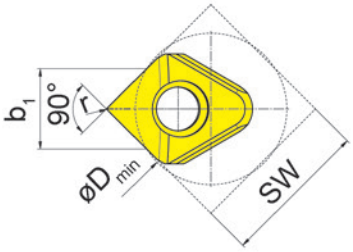
Plaquette de coupe
Inserto

S117

.B.







Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	SW	b_1	l	r	D_{min}	Forme Forma	Porte outils Portainserto	HIS	AN45
S117.SQ.1315.08.B2	13-15	6,61-7,84	13	0,2	13,5	O	SH117.1325.SQ.1.08.IK	117O805	▲
S117.SQ.1517.10.B2	15-17	7,84-9,08	14,8	0,2	15,5	P	SH117.1525.SQ.1.10 IK	117P005	▲
S117.SQ.1719.12.B2	17-19	9,08-10,33	16,7	0,2	17,5	Q	SH117.1732.SQ.1.12.IK	117Q205	▲
S117.SQ.1922.16.B2	19-22	10,33-12,22	19	0,2	19,5	R	SH117.1932.SQ.1.16.IK	117R605	▲

P	●
M	o
K	●
N	●
S	o
H	-

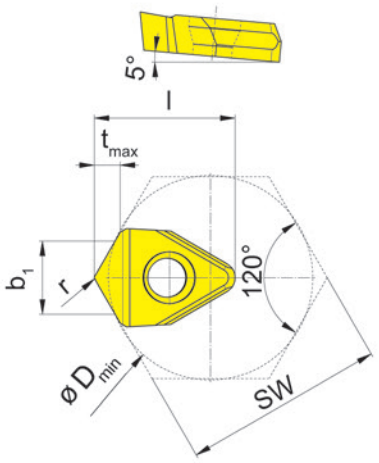
Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

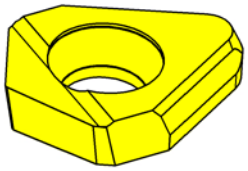
X

Plaquette de coupe
Inserto

S117

.B.





Nuance
Leghe

▲ en stock
a stock

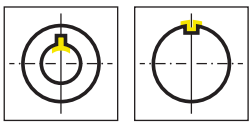
Δ 4 semaines
4 settimane

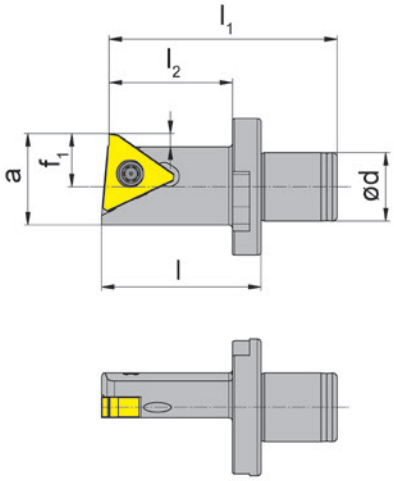
Numéro de commande Codice prodotto	SW	b_1	l	r	D_{min}	t_{max}	Forme Forma	Porte outils Portainserto	HIS	AN45
S117.SW14.08.B2	14-16	4,94-5,80	13	0,2	SW+r	1,9	K	SH117.1425.30.1.08	117K805	▲
S117.SW16.10.B2	16-22	5,80-8,43	14	0,2	SW+r	2,5	L	SH117.1625.30.1.10	117L005	▲
S117.SW24.12.B2	24-27	8,70-10,00	17	0,3	SW+r	3	M	SH117.2432.30.1.12	117M205	▲
S117.SW30.16.B2	30-36	11,32-13,97	20,7	0,3	SW+r	4,2	N	SH117.3032.30.1.16	117N605	▲

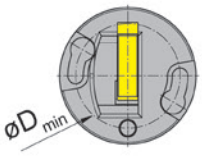
Recommandé pour: brochage conventionnel
Raccomandata per stozzatura cnc convenzionale

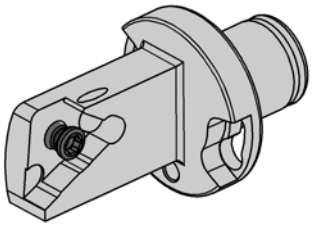
P	●
M	o
K	●
N	●
S	o
H	-

X









Numéro de commande Codice prodotto	d	l	l_1	l_2	D_{min}	f_1	a	HWS	HMS
356.3018.A.05	18	42	62	34	27,5	14	24	31505R	AR2P

Pour les dispositifs de brochage AP2R/AP3R
Per Unità a Stozzare AP2R/AP3R

X

Pièces Détachées
Ricambi

Porte outils Portainserto	**Vis de serrage** Vite di serraggio	**Tournevis TORX PLUS®** Cacciavite TORX PLUS®
356.3018.A.05	**030.500P.0232**	**T20PQ**

Brochage
Stozzatura

Tolérance Tolleranza	Largeur Larghezza	D_{min}	Plaquette Inserto ...A..	Plaquette Inserto ...B..	Porte outils Portainserto
C11	3,1	14	S117.0310.04.08.A1	S117.0310.04.08.B1	SH117...
C11	4,12	14	S117.0412.05.08.A1	S117.0412.05.08.B1	SH117...
C11	6,12	22	S117.0612.09.10.A1	S117.0612.09.10.B1	SH117...
C11	7,13	22	S117.0713.11.10.A1	S117.0713.11.10.B1	SH117...
C11	8,13	22	S117.0813.11.10.A1	S117.0813.11.10.B1	SH117...
C11	10,13	30		S117.1013.11.14.B1	SH117...
C11	12,15	38		S117.1215.14.14.B1	SH117...
C11	12,15	38		S117.1215.18.14.B1	SH117...
C11	12,15	38		S117.1215.23.14.B1	SH117...
C11	14,17	40		S117.1417.14.16.B1	SH117...
C11	16,17	40		S117.1617.18.18.B1	SH117...
C11	18,17	50		S117.1817.18.20.B1	SH117...
C11	20,2	50		S117.2020.20.20.B1	SH117...
D10	3,05	14	S117.0305.01.08.A1	S117.0305.01.08.B1	SH117...
D10	4,07	14	S117.0407.01.08.A1	S117.0407.01.08.B1	SH117...
D10	5,07	14	S117.0507.02.08.A1	S117.0507.02.08.B1	SH117...
D10	5,07	17	S117.0507.02.10.A1	S117.0507.02.10.B1	SH117...
D10	6,07	17	S117.0607.02.10.A1	S117.0607.02.10.B1	SH117...
D10	8,08	22	S117.0808.02.10.A1	S117.0808.02.10.B1	SH117...
D10	10,08	30		S117.1008.03.14.B1	SH117...
D10	12,1	38		S117.1210.03.14.B1	SH117...
D10	14,1	40		S117.1410.03.16.B1	SH117...
D10	16,1	40		S117.1610.03.18.B1	SH117...
D10	18,1	50		S117.1810.03.20.B1	SH117...
D10	20,12	50		S117.2012.05.20.B1	SH117...
H9	3,02	14	S117.0302.01.08.A1	S117.0302.01.08.B1	SH117...
H9	4,02	14	S117.0402.01.08.A1	S117.0402.01.08.B1	SH117...
H9	5,02	14	S117.0502.02.08.A1	S117.0502.02.08.B1	SH117...
H9	5,02	17	S117.0502.02.10.A1	S117.0502.02.10.B1	SH117...
H9	6,02	17	S117.0602.02.10.A1	S117.0602.02.10.B1	SH117...
H9	8,03	22	S117.0803.02.10.A1	S117.0803.02.10.B1	SH117...
H9	10,03	30		S117.1003.03.14.B1	SH117...
H9	12,04	38		S117.1203.03.14.B1	SH117...
H9	14,04	40		S117.1403.03.16.B1	SH117...
H9	16,04	40		S117.1603.03.18.B1	SH117...
H9	18,04	50		S117.1803.03.20.B1	SH117...
H9	20,04	50		S117.2004.05.20.B1	SH117...

Brochage
Stozzatura

Tolérance Tolleranza	Largeur Larghezza	D_{min}	Plaquette Inserto ...A..	Plaquette Inserto ...B..	Porte outils Portainserto
P9	2,99	14	S117.0298.01.08.A1	S117.0298.01.08.B1	SH117...
P9	3,98	14	S117.0397.01.08.A1	S117.0397.01.08.B1	SH117...
P9	4,98	14	S117.0497.02.08.A1	S117.0497.02.08.B1	SH117...
P9	4,98	17	S117.0497.02.10.A1	S117.0497.02.10.B1	SH117...
P9	5,98	17	S117.0597.02.10.A1	S117.0597.02.10.B1	SH117...
P9	7,98	22	S117.0796.02.10.A1	S117.0796.02.10.B1	SH117...
P9	9,98	30		S117.0996.03.14.B1	SH117...
P9	11,97	38		S117.1196.03.14.B1	SH117...
P9	13,97	40		S117.1396.03.16.B1	SH117...
P9	15,97	40		S117.1597.03.18.B1	SH117...
P9	17,97	50		S117.1797.03.20.B1	SH117...
P9	19,97	50		S117.1997.05.20.B1	SH117...
JS9	3,01	14	S117.0300.01.08.A1	S117.0300.01.08.B1	SH117...
JS9	4,01	14	S117.0400.01.08.A1	S117.0400.01.08.B1	SH117...
JS9	5,01	14	S117.0500.02.08.A1	S117.0500.02.08.B1	SH117...
JS9	5,01	17	S117.0500.02.10.A1	S117.0500.02.10.B1	SH117...
JS9	6,01	17	S117.0600.02.10.A1	S117.0600.02.10.B1	SH117...
JS9	8,01	22	S117.0800.02.10.A1	S117.0800.02.10.B1	SH117...
JS9	10,01	30		S117.1000.03.14.B1	SH117...
JS9	12,01	38		S117.1200.03.14.B1	SH117...
JS9	12	38		S117.1200.05.14.B1	SH117...
JS9	14,01	40		S117.1400.03.16.B1	SH117...
JS9	16,01	40		S117.1601.03.18.B1	SH117...
JS9	18,01	50		S117.1801.03.20.B1	SH117...
JS9	20,02	50		S117.2002.05.20.B1	SH117...

Hexagone intérieur
Sedi Esagone

SW	D_{min}	Plaquette Inserto ...A..	Plaquette Inserto ...B..	Porte outils Portainserto
14-16	13	S117.SW14.08.A1	S117.SW14.08.B2	SH117.1425.30.1.08
16-22	14	S117.SW16.10.A1	S117.SW16.10.B2	SH117.1625.30.1.10
24-27	17	S117.SW24.12.A1	S117.SW24.12.B2	SH117.2432.30.1.12
30-36	20,7	S117.SW30.16.A1	S117.SW30.16.B2	SH117.3032.30.1.16

Carré intérieur
Stozzatura quadri

SQ	D_{min}	Plaquette Inserto ...A..	Plaquette Inserto ...B..	Porte outils Portainserto
13-15	13,5	S117.SQ.1315.08.A1	S117.SQ.1315.08.B2	SH117.1325.SQ.1.08.IK
15-17	15,5	S117.SQ.1517.10.A1	S117.SQ.1517.10.B2	SH117.1525.SQ.1.10.IK
17-19	17,5	S117.SQ.1719.12.A1	S117.SQ.1719.12.B2	SH117.1732.SQ.1.12.IK
19-22	19,5	S117.SQ.1922.16.A1	S117.SQ.1922.16.B2	SH117.1932.SQ.1.16.IK

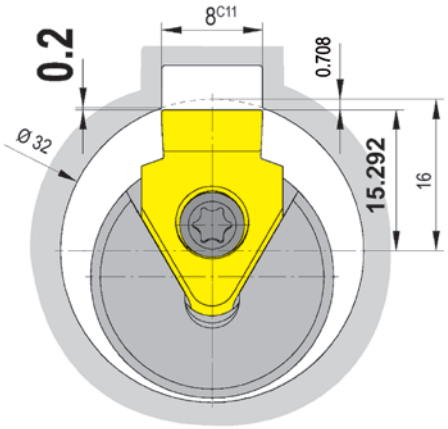
Conseils d'application pour le brochage
Suggerimenti di impiego in stozzatura

- Il est important d'utiliser une machine avec verrouillage mécanique de la broche.
- L'utilisation d'un liquide de coupe approprié est essentielle pour obtenir un bon état de surface, une longue durée de vie de l'outil et l'évacuation des copeaux. Une gorge de dégagement ou la possibilité d'une sortie „en rampe" de la plaquette est nécessaire à l'extrémité de la rainure brochée.
- Le réglage de l'outil est très important. Vérifiez deux fois le diamètre de la pièce avant d'effectuer la première passe.
- L'outil doit être réglé sur la position 12 heures pour s'assurer que les copeaux tombent de la gorge.
- Prenez une mesure précise de la plaquette et programmez la dimension dans les paramètres de la machine-outil.
- Positionnez l'outil à la position de départ de la première passe et programmez un arrêt pour effectuer un contrôle visuel afin d'assurer une première passe sans collision de l'outil.

- E' fondamentale utilizzare una macchina col blocco mandrino.
- L'utilizzo del giusto lubrificante di taglio è fondamentale per un buon risultato di finitura, lunga vita-utensile ed evacuazione truciolo. E' importante poter avere una gola al fondo della stozzatura per consentire all'uten sile un'uscita in rampa verso il basso alla fine della stozzatura.
- Il settaggio dell'utensile è molto importante. Controllare il diametro del pezzo prima di fare la prima passata.
- L'utensile deve essere settato alle ore 12 per assicurare che il truciolo cada verso il basso.
- Controllate accuratamente l'inserto e programmate correttamente la misura all'alterno dei parametri macchina.
- Posizionare l'utensile nella posizione iniziale, effettuare la prima passata e fermarsi per controllare visivamente l'assenza o meno di eventuali collisioni.

Exemple d'usinage:
Ø de perçage 32 mm, largeur de rainure 8 mm:
Pour un rayon de perçage de 16 mm et une sécur té de 0,2 mm aux rayons d'angle de la plaquette, l'outil doit être réglé dans l'axe X à la cote d'approche de 15,292 mm (ou X 30,584) afin de garantir une course sans collision.

Esempio di lavorazione:
Diametro del foro 32mm, larghezza della gola 8 mm:
Con un raggio di 16mm e un margine di sicurezza di 0,2mm sui raggi d'angolo r 0,2mm, l'utensile deve essere settato a 15,292 mm sull'asse X per evitare collisioni all'inizio della lavorazione



Calcul pour le point de départ b_1:
Calcolo della posizione di partenza b_1:

$c^2 = a^2 + b^2$

$b^2 = c^2 - a^2$

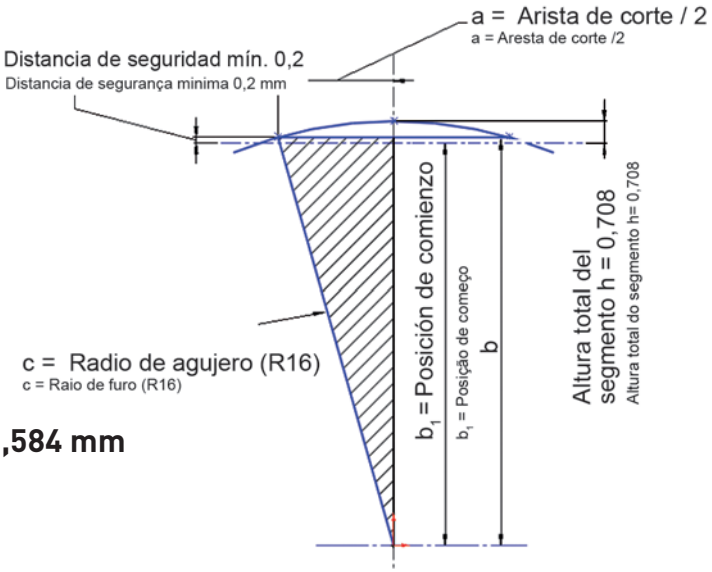
$b = \sqrt{c^2 - a^2}$

$b = \sqrt{16^2 - 4^2}$

$b = 15{,}491933$

b_1 = b - Distance de sécurité/Distanza di sicurezza

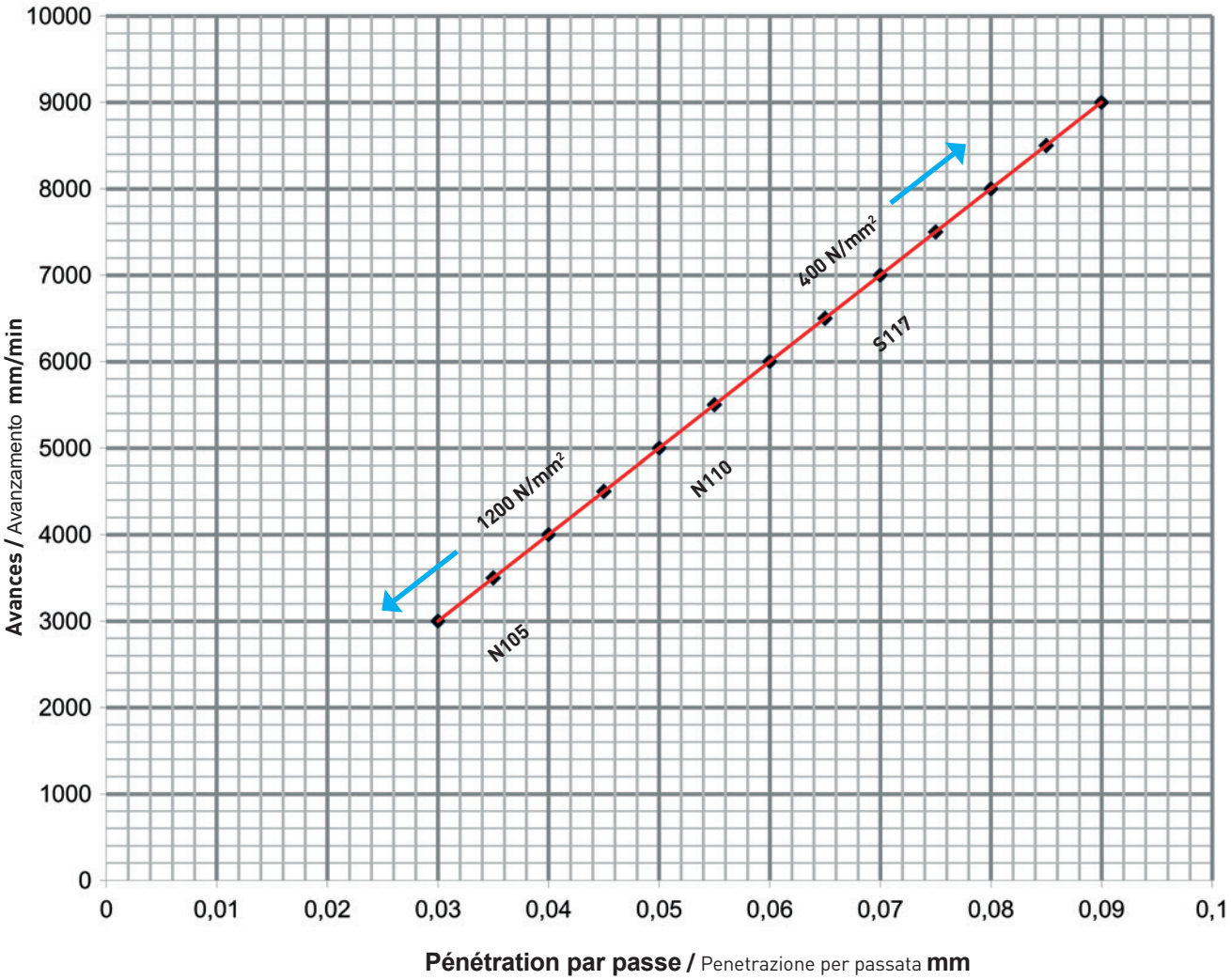
$b_1 = 15{,}492 - 0{,}2 = 15{,}292$ mm



→ cela donne un diamètre de départ de 30,584 mm
→ equivalente ad un diametro di partenza Ø 30.584 mm

X

Conditions de coupe
Parametri di taglio



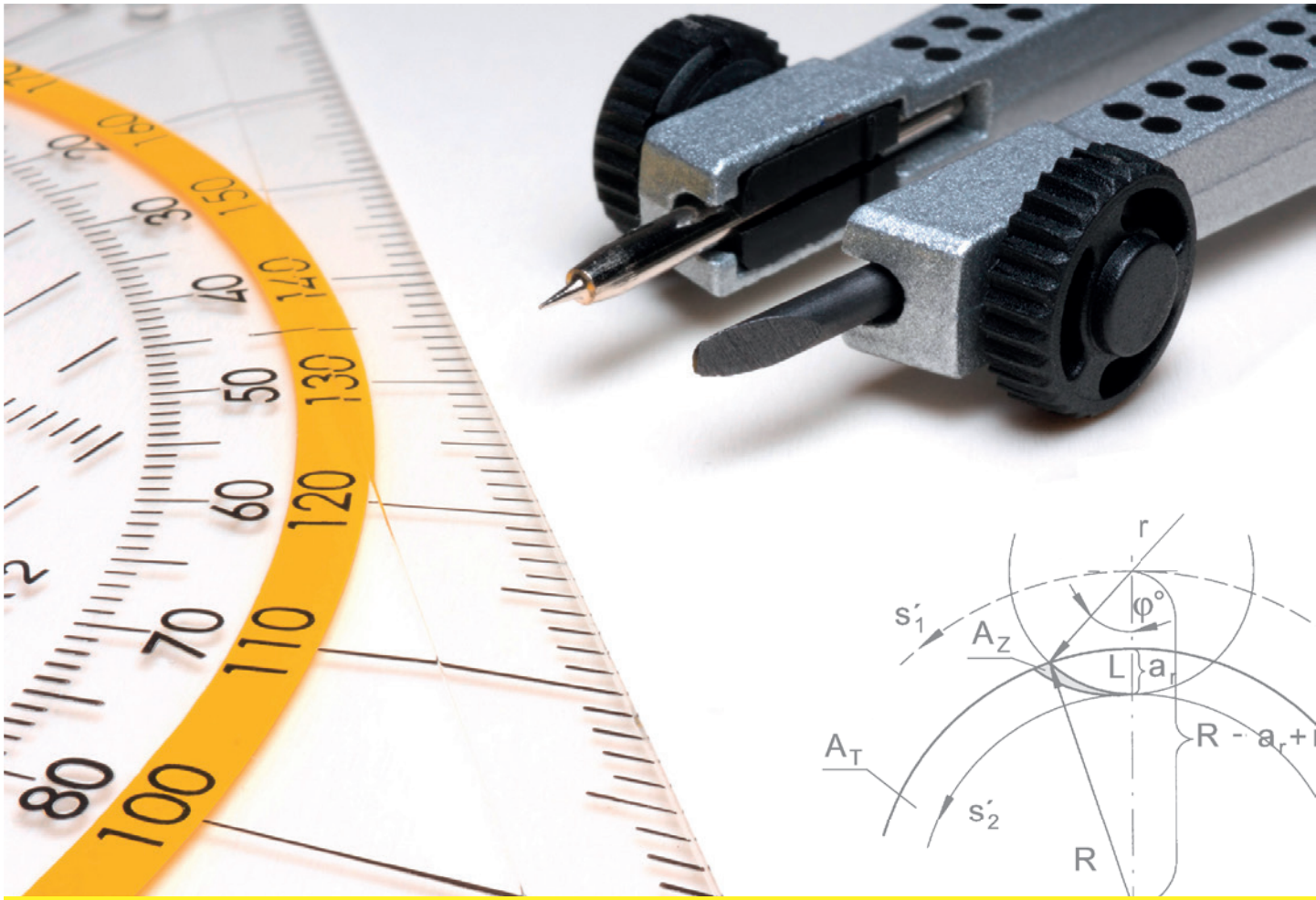
Les paramètres ci-dessus peuvent varier de + / - 20% proportionnellement au rayon de la pièce et l'état de la machine.

Conseils d'utilisations:
- Une gorge de dégagement ou encore une sortie de la matière en diagonale est essentielle pour éviter les bris de la pointe de la plaquette
- La pointe doit être complètement dégagée de la matière avant le retour
- Mesurer avec précision la position de l'outil de coupe et de la plaquette sur la machine-outil
- Placer l'outil à la position de départ et avant la première exécution du programme fixer un ordre stop M00 et vérifier alignement correct de l'outil pour éviter les collisions
- L'utilisation de liquide de coupe est essentielle pour parvenir à une bonne finition et état de surface, augmenter la durée de vie et améliorer l'évacuation des copeaux, en particulier pour aborder les trous borgnes

I parametri sopraindicati possono subire variazioni del +/- 20% in proporzione allo sbraccio del pezzo ed alle condizioni della macchina.

Suggerimenti applicativi:
- Una gola di scarico o in alternativa l'uscita dalla cava in diagonale è indispensabile per evitare rottura del tagliente
- Il tagliente deve essere completamente disimpegnato dalla cava prima della corsa di ritorno
- Misurare accuratamente la posizione del tagliente ed inserirla nei parametri macchina dell'utensile
- Posizionare l'utensile alla posizione di partenza ed alla prima esecuzione del programma impostare uno stop per poter verificare il corretto allineamento dell'utensile onde evitare collisioni
- L'utilizzo del fluido da taglio è fondamentale per ottenere una buona finitura superficiale, incrementare la vita utensile e migliorare l'evacuazione truciolo specialmente per brocciature fori ciechi.

Informations techniques
Informazioni tecniche



Sommaire/Indice	Page/Pag.
Couple des vis Serraggio della vite	788-792
Informations techniques Informazioni tecniche	793-795
Arrosage intérieur Lubrorefrigerazione interna	796-797
Vue d'ensemble des revêtements Panoramica dei rivestimenti	798-799
Conditions de coupe Parametri di taglio	800-805
Pièces détachées / Accessoires Ricambi / Accessori	806-813

Couple de serrage
Coppia di serraggio

Les couples de serrage suivants sont autorisés pour les vis des plaquettes. Nous recommandons de ne pas utiliser de moyens de graisse supplémentaires (tels que la graisse au cuivre) pour les vis.

Le seguenti coppie di serraggio sono consentite per le viti degli inserti. Si raccomanda di non utilizzare grassi aggiuntivi (come la pasta di rame) per le viti.

Type Tipo	Vis Vite	M_d Nm	Clé de serrage Chiave	Lame Lama
208	4.08.913	**3,0**	SW3DIN911	DSW30K
210	218.3	**7,0**	SW6DIN911	DSW60K
211	6.19	**3,0**	SW3DIN911	DSW30K
213	218.3	**7,0**	SW6DIN911	DSW60K
213...09	5.32T15P	**5,0**	T15PQ	DT15PK
213...IK	6.14.912	**6,0**	SW5DIN911	DSW50K
214	218.3	**7,0**	SW6DIN911	DSW60K
214...09	5.32T15P	**5,0**	T15PQ	DT15PK
218	218.3	**7,0**	SW6DIN911	DSW60K
219	218.3	**7,0**	SW6DIN911	DSW60K
221	6.20.70P	**5,0**	T20PQ	DT20PK
225	218.3	**7,0**	SW6DIN911	DSW60K
226	218.3	**7,0**	SW6DIN911	DSW60K
226.2608...	4.15T15P	**5,0**	T15PQ	DT15PQ
226.3208...	4.15T15P	**5,0**	T15PQ	DT15PQ
228	6.20.70P	**5,0**	T20PQ	DT20PK/DT20PQ
230	5.14	**2,5**	SW2,5DIN911	DSW25K
232	4.08.913	**3,0**	SW2,5DIN911	DSW25K
233	5.14	**2,5**	SW2,5DIN911	DSW25K
234	5.14	**2,5**	SW2,5DIN911	DSW25K
235	5.14	**2,5**	SW2,5DIN911	DSW25K
240	5.14	**2,5**	SW2,5DIN911	DSW25K
245	51.27.984P	**4,0**	T15PQ	DT15PK
248	5.14	**2,5**	SW2,5DIN911	DSW25K
250	5.14	**2,5**	SW2,5DIN911	DSW25K
253	5.14	**2,5**	SW2,5DIN911	DSW25K
254	5.14	**2,5**	SW2,5DIN911	DSW25K
255	5.14	**2,5**	SW2,5DIN911	DSW25K
309	6.25	**4,5**	SW3DIN911	DSW30K
330	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
333	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
356...3/...5	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
356...45.03	5F.08T20P	**5,0**	T20PQ	DT20PK/DT20PQ

Couple de serrage
Coppia di serraggio

Type Tipo	Vis Vite	M_d Nm	Clé de serrage Chiave	Lame Lama
356...6/...7/...10/...2.13	5.15T20P	**6,5**	T20PQ	DT20PK/DT20PQ
356...2.13.IK/...2.15.IK	5.15T20P	**6,5**	T20PQ	DT20PK/DT20PQ
357	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
360	6.25	**4,5**	SW3DIN911	DSW30K
361	030.0422.T10P	**3,0**	T10PL	DT10PK
368	4.15T15P	**4,0**	T15PQ	DT15PK
368...10.01	030.0422.T10	**4,0**	T10PL	DT10PK
369	6.25	**4,5**	SW3DIN911	DSW30K
390	6.25	**4,5**	SW3DIN911	DSW30K
391.1212...	030.0422.T10P	**3,0**	T10PL	DT10PK
391.1616...	5.32.3T15P	**5,0**	T15PQ	DT15PK
391.2...	6.25	**4,5**	SW3DIN911	DSW30K
AH25A.12...02/...03	5.14T20P	**2,5/3,0**	T20PQ	DT20PK/DT20PQ
AH25A...02/...03	5.13T20P	**3,5/3,0**	T20PQ	DT20PK/DT20PQ
AK25A...02.IK/03.IK/04.IK	5.13T20P	**2,5/3,0/3,5**	T20PQ	DT20PK/DT20PQ
B105	6.075T15P	**5,0**	T15PQ	DT15PK
BU105	6.075T15P	**5,0**	T15PQ	DT15PK
B109	6.075T15P	**5,0**	T15PQ	DT15PK
B110	6.075T15P	**5,0**	T15PQ	DT15PK
B114	4.12T15EP	**5,0**	T15PQ	DT15PK
BA114	4.12T15EP	**5,0**	T15PQ	DT15PK
B209	3.5.12T10EP	**2,5**	T10PL	DT10PK
B216.0020.1.2...IK	3.5.12T10EP	**3,0**	T10PL	DT10PK
B229	030.0518.T20P	**7,0**	T20PQ	DT20PK/DT20PQ
B216...IK	5.13T20EP	**6,0**	T20PQ	DT20PK/DT20PQ
B223	5.11T15P	**3,0**	T15PL	DT15PK
B223...K2	4.09T15P	**3,0**	T15PL	DT15PK
B224.00...	5.13T20P	**6,5**	T20PQ	DT20PK/DT20PQ
B224.45... B224.60...	6.14T25P	**7,0**	T25PQ	DT25PK/DT25PQ
BK224	5.13T20EP	**6,5**	T20PQ	DT20PK/DT20PQ
BK229	5.13T20EP	**6,0**	T20PQ	DT20PK/DT20PQ
E223	5.11T15P	**3,0**	T15PL	DT15PK
H32T...IK	030.2507.T7P	**1,5**	T7PL	DT7PK
H25A	5.14T20P	**3,0**	T20PQ	DT20PK/DT20PQ
H25A.12...	5.13T20P	**3,0**	T20PQ	DT20PK/DT20PQ
H34T...00.IK	30.4093.T15P	**3,0**	T15PQ	DT15PK
H34T...10.IK	030.4093.T15P	**3,0**	T15PQ	DT15PK

Couple de serrage
Coppia di serraggio

Type Tipo	Vis Vite	M_d Nm	Clé de serrage Chiave	Lame Lama
H34T...20.IK	030.4010.T15P	**5,0**	T15PQ	DT15PK
H34T...30.IK	030.5012.T15P	**6,0**	T15PQ	DT15PK
H34T...40.IK	030.5012.T20P	**6,0**	T20PQ	DT20PK/DT20PQ
H64T...10.IK	030.4010.T15P	**4,0**	T15PQ	DT15PK
H64T...20.IK	030.4010.T15P	**5,0**	T15PQ	DT15PK
H105	6.075T15P	**5,0**	T15PQ	DT15PK
H100...01/...11/...21 + IK H100...02/...12/...22 + IK H100...5.23.IK H100...71/...72 H100...71R/L/...72R/L	4.15T15P	**5,0**	T15PQ	DT15PK
H100...03/...13/...23 H100...04/...14/...24 H100...15 H100...1.23.IK H100...3.22.IK H100.2020.22.IK	5.17T20P	**6,5**	T20PQ	DT20PK/DT20PQ
H100...04.IK H100...23.IK/...24.IK H100...73.IK/...74.IK	6.23T25P	**7,0**	T25PQ	DT25PK/DT25PQ
H100...83/...84	030.505P.0718	**5,0**	T15PQ	DT15PK
H100..83R/L/N/..84R/L/N	030.505P.0660	**5,0**	T15PQ	DT15PK
H100...93/...93R/L	030.0413.T15P	**3,0**	T15PQ	DT15PK
H100.2020.3.0.. H100.2525.3.0.. H100.3225.3.0../...38 H100.3225.4.0../...4.1.. H100...08/...10/...12	030.6075.T20P	**5,0**	T20PQ	DT20PK
H100.3232...	030.0625.T25P	**7,0**	T25PQ	DT25PK/DT25PQ
H100.52... H100.2608.2...IK	5.13T20P	**5,0**	T20PQ	DT20PK/DT20PQ
H101	3.5.12T10EP	**5,0**	T10PL	DT10PK
H117...10/...12	4.09T15P	**5,0**	T15PQ	DT15PK
H117.1010.10	030.400P0227	**5,0**	T15PQ	DT15PK
H117...16/...32/...45 H117.14...	5.12T20P	**6,0**	T20PQ	DT20PK/DT20PQ
H117...20/...26	6.17T20P	**7,0**	T20PQ	DT20PK/DT20PQ
H223	5.11T15P	**3,0**	T15PL	DT15PK
H223.2608.../.3208...	4.15T15P	**5,0**	T15PL	DT15PK
H224	6.23T25P	**6,0**	T25PQ	DT25PK/DT25PQ
H224.1212.81	6.17T25P	**5,0**	T25PQ	DT25PK/DT25PQ
H224.1608.02/.23/.24 H224.2608.81/.82/.83	4.15T15P	**5,0**	T15PQ	DT15PK
H224.2608.01/.02 H224.3208.01/.02/.03	4.20T15P	**4,3**	T15PL	DT15PK

Couple de serrage
Coppia di serraggio

Type Tipo	Type Tipo	M_d Nm	Clé de serrage Chiave	Lame Lama
H224.2608.03	4.20T15P	**4,3**	T15PQ	DT15PK
H224.3208.93	030.0413T15P	**3,0**	T15PQ	DT15PK
H224..61/..62/..63/..64+IK	4.12.T15EP	**5,0**	T15PL	DT15PK
H224.1212.20...	4.12.T15EP	**5,0**	T15PQ	DT15PK
H224...65/...66/...83R	5.13.T20EP	**6,5**	T20PQ	DT20PK/DT20PQ
H224...A...IK	6.23T25P	**6,0**	T25PQ	DT25PK/DT25PQ
H229	6.23T25P	**7,0**	T25PQ	DT25PK/DT25PQ
H259	6.23T25P	**7,0**	T25PQ	DT25PK/DT25PQ
H262	030.2557.T8P	**1,0**	T8PL	DT8PK
H264	3.5.12T10EP	**3,0**	T10PL	DT10PK
H274...04/...04.E	030.3509.T15P	**3,0**	T15PQ	DT15PK
H274...07	030.3513.T15P	**3,0**	T15PQ	DT15PK
H274...SF.04/...SF.S4	030.350P.0852	**3,0**	T15PQ	DT15PK
H316	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
HC105	6.075T15P	**5,5**	T15PQ	DT15PK
HC114	4.12T15EP	**5,0**	T15PQ	DT15PK
HC316	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
IB25A.20...IK	5.13T20EP	**2,5/3,0/3,5**	T20PQ	DT20PK/DT20PQ
IB25A.20.5065.03.IK	5.17T20P	**2,5/3,0/3,5**	T20PQ	DT20PK/DT20PQ
IB25A.20.6580.04.IK	5.13T20P	**2,5/3,0/3,5**	T20PQ	DT20PK/DT20PQ
K25A	5.13T20P	**2,5/3,0/3,5**	T20PQ	DT20PK/DT20PQ
KT274 KTC274	030.3509.T15P	**3,0**	T15PQ	DT15PK
L368	4.18T15EP	**4,0**	T15PQ	DT15PK
LA210	218.3	**7,0**	SW6.911	DSW60K
LA226	218.3	**7,0**	SW6.911	DSW60K
LAK220	6.23T25P	**7,0**	T25PQ	DT25PK/DT25PQ
LAK224	5.13T20P	**6,0**	T20PQ	DT20PK/DT20PQ
LIK220	6.23T25P	**7,0**	T25PQ	DT25PK/DT25PQ
LIK224	5.13T20P	**6,0**	T20PQ	DT20PK/DT20PQ
R76	030.3509.T15P	**5,0**	T15PQ	DT15PK
RA210	218.3	**7,0**	SW6.911	DSW60K
RA226	218.3	**7,0**	SW6.911	DSW60K
RAK220	6.23T25P	**7,0**	T25PQ	DT25PK/DT25PQ
RAK224	5.13T20P	**6,0**	T20PQ	DT20PK/DT20PQ
RIK220	6.23T25P	**7,0**	T25PQ	DT25PK/DT25PQ
RHC274	030.3509.T15P	**5,0**	T15PQ	DT15PK
RIK224	5.13T20P	**6,0**	T20PQ	DT20PK/DT20PQ

Couple de serrage
Coppia di serraggio

Type Tipo	Vis Vite	M_d Nm	Clé de serrage Chiave	Lame Lama
SB105	6.075T15P	**5,0**	T15PQ	DT15PQ
SB110	6.075T15P	**5,0**	T15PQ	DT15PQ
SH117...08	030.3509.T15P	**3,5**	T15PQ	DT15PK
SH117...10/...12	4.09T15P	**5,0**	T15PQ	DT15PK
SH117...16	5.12T20P	**6,5**	T20PQ	DT20PK/DT20PQ
SHM117...08	030.3509.T15P	**3,5**	T15PQ	DT15PK
VDI	6.075T15P	**5,0**	T15PQ	DT15PK

Chariotage

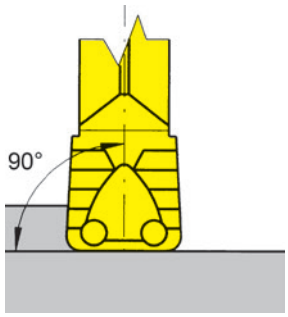
Tornitura in passata

Les outils à gorge HORN vous garantirons les profils et l'équerrage, même avec des efforts de coupes latéraux en copiage.
Une arête de coupe adaptée est nécessaire en chariotage, mais pas forcement utile pour un usinage de precision en plongée.

Gli utensili per gole della HORN vi garantiranno l'assoluta precisione dei profili e degli angoli, anche quando il tagliente in presa sarà sottoposto a forze in direzione trasversale.
Un tagliente flessibile (cioé che si piega sotto le forze di taglio) potrebbe essere desiderabile in tornitura in passata, ma non è indicato per gole di precisione.

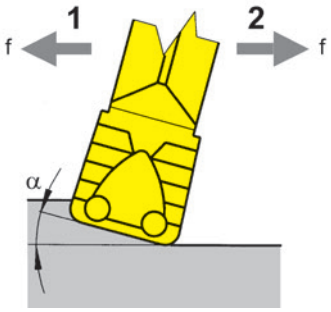
Il faut s'assurer pendant le réglage de l'outil
que celui-ci est bien perpendiculaire

Si prega di porre grande attenzione quando si presetta l'utensile.
Occorre sempre assicurarsi che l'utensile sia ortogonale all'asse del pezzo.



Réglage incorrecte:
L'avance **1** engendre des vibrations. La tendance à vibrer augmente en fonction de la rigidité de la pièce à usiner.
L'avance **2** est acceptable en chariotage et n'aura pas d'effets négatifs pour l'opération.

Pre-setting non accurato:
L'avanzamento nella direzione **1** creerà delle vibrazioni. La tendenza alla vibrazione aumenterà nel caso di pezzo rigido.
L'avanzamento nella direzione **2** é indicato per tornitura in passata e non avrà effetti negativi sulla lavorazione.



Les outils à gorges ne doivent pas être considérés comme un remplacement des outils de chariotage standards ISO. Pour certaines opérations, l'usinage en plongée jumelé avec le chariotage permet de diminuer le nombre de changement d'outils et de réduire.

L'utensile per gole non dovrebbe essere visto come una semplice sostituzione di un porta inserto con inserti ISO da tornitura (CNMG, TNMG...). Ma in certe operazioni, come nel caso di gole e tornitura, l'utensile per gole con inserti HORN può ridurre il numero dei cambi utensile e quindi offrire una riduzione del tempo ciclo.

Profondeur de passe a_p en chariotage:

En chariotage la profondeur de passe dépend autant de la largeur de la plquette que de la dureté de la matière de la pièce usinée. La profondeur de passe maximum devra toujours être inférieure à la la largeur de l'arête de coupe.

Formules de calcul: $a_{p\,max}$ **= w x 0,7 ou max. 3,0 mm**
$a_{p\,min}$ **= rayon d'angle (r)**

Die kleinste Schnittiefe $a_{p\,min}$ entspricht dem Eckenradius der Schneidplatte. Bei geringerer Schnittiefe entstehen ungünstige feine Bandspäne.

Cutting depth a_p:

When side turning the cutting depth is dependent upon the width of insert as well as on the material and the rigidity of the workpiece. The max. depth would be limited by the length of the cutting edge.

Rule of thumb for calculation: $a_{p\,max}$ **= w x 0,7 or max. 3,0 mm**
$a_{p\,min}$ **= corner radius (r)**

The smallest cutting depth apmin is governed by the edge radius of the insert. Cutting depth below the corner radius will create poor cutting conditions.

Avance max f_{max}:

La règle générale est la suivante f_{max} **= w x 0,1**

Avanzamenti f_{max}:

Regola empirica di calcolo f_{max} **= w x 0,1**

Chariotage entre deux flans

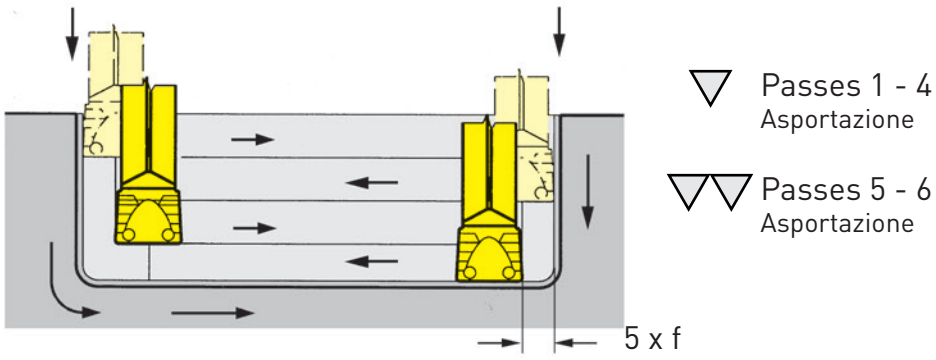
Tornitura in passata tra due spallamenti

En chariotage il faut toujours démarrer à coté du flan en direction de l'autre en laissant le même espace de chaque coté. L'usinage au contact des flans peut provoquer un mauvais enroulement du copeau et un risque de rupture de la plaquette. Il est recommandé d'utiliser la méthode ci dessus.

Pour les passes successives en charitage, il convient de laisser une valeur de 5 x f avant les flans. Cette valeur évitera le coincement du copeau contre l'arête de coupe.

Quando si esegue una tornitura in passata tra due spallamenti, occorre sempre muoversi da uno spallamento verso l'altro. Una tornitura verso uno spallamento creerà un truciolo di difficile evacuazione e questo potrà causare l'eventuale rottura dell'inserto. Il modo di lavorare, quando si tratta di eseguire gole e di tornire in passata, raccomandato è quello indicato nella figura su indicata.

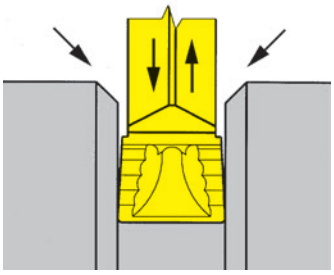
La seconda passata e quelle successive devono lasciare sugli spallamenti un sovrametallo pari a 5 volte f . In tal modo si eviterà che il truciolo sia preso sotto il tagliente che avanza.



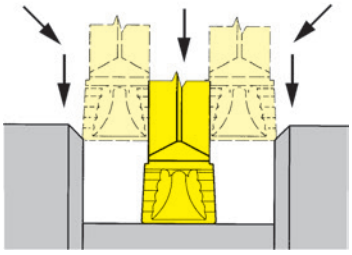
Chanfreinage de gorges avec plaquettes standard

Smussatura di gole con inserti standard

Largeur de gorge et de plaquette égale
Larghezza inserto e larghezza gola coincidono



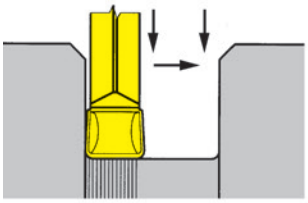
Largeur de gorge supérieure à la plaquette
La gola è più larga dell'inserto



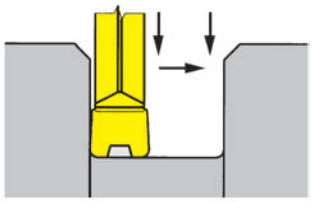
Méthodes pour la finition (Rainures d'étanchéité)

Finitura di gole (Gole di tenuta)

Ce processus est recommandé pour l'usinage en plongée et en copiant lorsque la qualité de l'état de surface demandé est très élevée. La figure 2 représente une plaquette spécifique type S224...NC...D2.



Talvolta si richiede una ottima finitura sia del fondo sia delle pareti della gola. In tal caso quando si effettua l'ultima passata di finitura, nel momento in cui il tagliente principale raggiunge in pieno il fondo della gola, possono apparire piccole vibrazioni. Anche se esse sono per lo più un semplice fenomeno ottico, possono pur tuttavia essere indesiderate. In figura 2 viene raffigurato un inserto tipo S224...NC...D2 modificato per renderlo adatto allo scopo. Da utilizzarsi però solo in finitura.

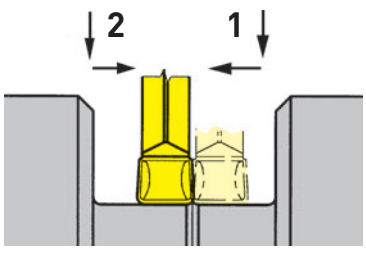


Création d'une bavure

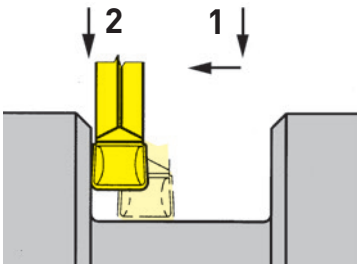
Formazione di truciolo a forma di anello

Le risque de création de bavure peut être évité en réduisant le diamètre par une coupe interrompue. Une bonne définition de l'arête de coupe combinée avec un choix de rayon mini diminuera les risques de bavure.

La formazione di un truciolo a forma di anello appare talvolta quando si incontrano due passate sullo stesso diametro. Tale formazione può essere evitata eseguendo una sola passata da uno spallamento all'altro. Un tagliente ben definito (tutti gli inserti HORN presentano un tagliente ben definito) ed un piccolo angolo al vertice riduco la tendenza alla formazione del truciolo a forma di anello.

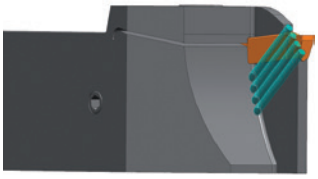


Risque de bavure
Rischio di formazione di anello



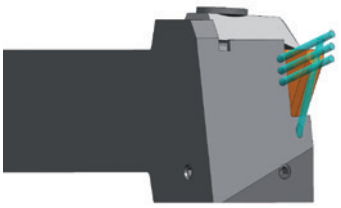
Pas de création de bavure
Nessuna formazione di anello

Les possibilités de sortie de l'arrosage.
Possibili adduzione del lubrorefrigerante.



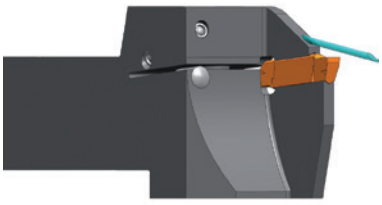
Sortie du liquide de coupe sur le côté de la plaquette.

Getti di lubrorefrigerante attraverso ugelli posti lateralmente all'inserto.



Sortie du liquide de coupe sur le côté de la plaquette.

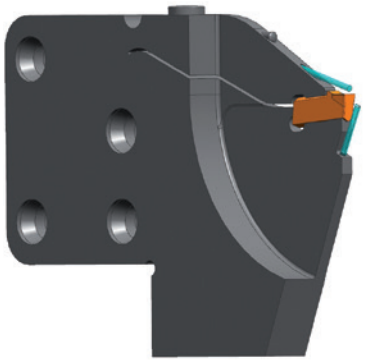
Getti di lubrorefrigerante attraverso ugelli posti lateralmente all'inserto.



S100
S224
S229

Sortie du liquide de coupe par le doigt de serrage.

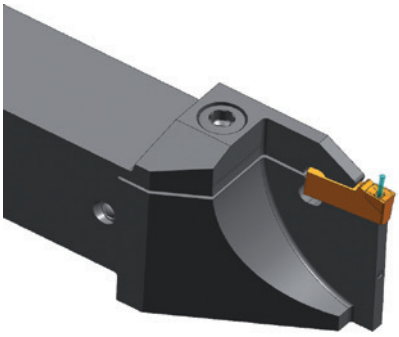
Getto di lubrorefrigerante attraverso la staffa di serraggio.



S100
S224
S229

Sortie du liquide de coupe par le doigt de serrage et le support de la plaquette.

Getto di lubrorefrigerante attraverso la staffa di serraggio e il supporto dell'inserto.



S100
S224

Sortie du liquide de coupe par le centre de la plaquette.

Getto di lubrorefrigerante attraverso l'inserto.

Variantes de connexions pour l'alimentation de l'arrosage de coupe interne.
Differenti metodi di adduzione del lubrorefrigerante.

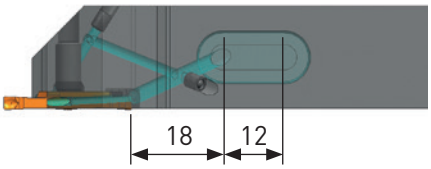




Connexion externe du porte outil, exemple par une pompe à haute pression.

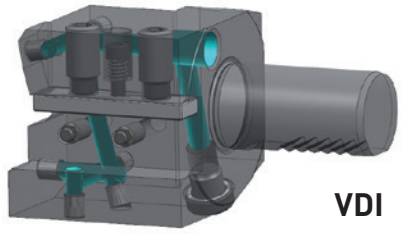
Connessione esterna al portautensile per esempio attraverso una pompa ad alta pressione.





Raccordement interne à travers le porte-outil de base au moyen d'un trou oblong.

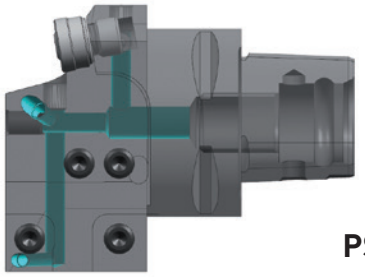
Connessione interna attraverso l'asola del corpo base.



VDI

Connexion externe du porte outil, exemple par une pompe à haute pression.

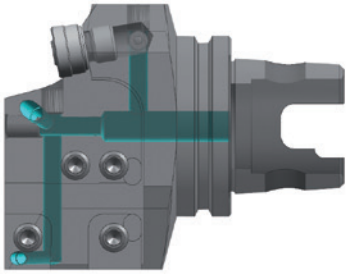
Connessione esterna al portautensile per esempio attraverso una pompa ad alta pressione.



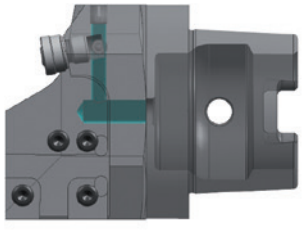
PSC

Connexion interne par le porte outil sur la cassette.

Connessione interna al portautensile dalla base finale della cartuccia.



TS



HSK

Vue d'ensemble des revêtements
Panoramica dei rivestimenti

Matèriau de coupe Gruppo di materiali	Structure du revêtement Rivestimento	Recommandation Raccomandazioni di utilizzo						Application Applicazione
AN2_ AN4_	AlCrSiN	P05	M05	K05	N05	S05	H05	Ébauche et finition de gorges et brochages Gole in sgrossatura e finitura, stozzatura
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	M30	K30	N30	S30	H30	
		P40	**M40**	K40	N40			
		P50	**M50**					
TH3_	TiAlN	P05	M05	K05	N05	S05	H05	Ébauche et finition de gorges à des vitesses de coupe moyennes, convient également à l'usinage à sec Gole in sgrossatura e finitura a velocità di taglio medie, anche valido per taglio a secco
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	**M30**	K30	N30	S30	H30	
		P40	**M40**	K40	N40			
		P50	**M50**					
AS4_ AS6_	TiAlN	P05	M05	K05	N05	S05	H05	Convient pour l'ébauche de gorges à des vitesses de coupe moyennes, également pour l'usinage à sec Adatto per sgrossatura di gole a velocità di taglio medie, adatto anche per taglio a secco
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	**M30**	K30	N30	S30	H30	
		P40	**M40**	**K40**	N40			
		P50	**M50**					
DD2_	TiB2	P05	M05	K05	N05	S05	H05	Ébauche et finition de gorges Gole in sgrossatura e finitura
		P10	M10	K10	**N10**	S10	H10	
		P20	M20	K20	**N20**	S20	H20	
		P30	M30	K30	**N30**	S30	H30	
		P40	M40	K40	N40			
		P50	M50					
EG3_	AlTiN + TiN	P05	M05	K05	N05	S05	H05	Idéal pour la coupe en finition à des vitesses de coupe élevées Ideale per finitura e alte velocità di taglio
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	**M30**	K30	N30	S30	H30	
		P40	**M40**	K40	N40			
		P50	**M50**					
EG5_	AlTiN + TiN	P05	M05	K05	N05	S05	H05	Idéal pour les gorges à haute vitesses de coupe Ideale per sgrossatura di gole e alta velocità di taglio
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	**M30**	**K30**	N30	S30	H30	
		P40	**M40**	**K40**	N40			
		P50	**M50**					
ES1_	AlTiN	**P05**	**M05**	K05	**N05**	**S05**	H05	Idéal pour les opérations de finition et les opérations de finition, sans Interruption de la coupe Ideale per finitura e super-finitura senza tagli interrotti
		P10	**M10**	K10	**N10**	**S10**	H10	
		P20	**M20**	K20	**N20**	S20	H20	
		P30	M30	K30	N30	S30	H30	
		P40	M40	K40	N40			
		P50	M50					

Y

Vue d'ensemble des revêtements
Panoramica dei rivestimenti

Matèriau de coupe Gruppo di materiali	Structure du revêtement Rivestimento	Recommandation Raccomandazioni di utilizzo						Application Applicazione
IG3_	TiAlSiN	**P05**	M05	K05	N05	S05	H05	Idéal pour les gorges de finition à haute Vitesses de coupe, également convient pour l'usinage à sec Ideale per gole in finitura ad alte velocità, anche adatto al taglio interrotto
		P10	**M10**	**K10**	N10	S10	H10	
		P20	**M20**	**K20**	N20	S20	H20	
		P30	**M30**	K30	N30	**S30**	H30	
		P40	M40	K40	N40			
		P50	M50					
IG6_	TiAlSiN	**P05**	M05	K05	N05	S05	H05	Ébauche et finition de gorges à des vitesses de coupe élevées à des vitesses de coupe élevées, convient également à l'usinage à sec Sgrossatura e finitura di gole ad alte velocità, adatto anche al taglio a secco
		P10	**M10**	**K10**	N10	S10	H10	
		P20	**M20**	**K20**	N20	S20	H20	
		P30	**M30**	K30	N30	**S30**	H30	
		P40	M40	K40	N40			
		P50	M50					
NE2_	ta-C	P05	M05	K05	**N05**	S05	H05	Ébauche et finition de gorges, sans aucune interruption de la coupe Sgrossatura e finitura di gole, no taglio interrotto
		P10	M10	K10	**N10**	S10	H10	
		P20	M20	K20	**N20**	S20	H20	
		P30	M30	K30	N30	S30	H30	
		P40	M40	K40	N40			
		P50	M50					
SG3_	TiAlCrSiN	P05	**M05**	K05	N05	**S05**	H05	Ébauche et finition de gorges Sgrossatura e finitura di gole
		P10	**M10**	K10	N10	**S10**	H10	
		P20	**M20**	K20	N20	**S20**	**H20**	
		P30	M30	K30	N30	S30	H30	
		P40	M40	K40	N40			
		P50	M50					
SG6_	TiAlCrSiN	P05	M05	K05	N05	**S05**	H05	Point de transition dur / mou Finition de contour Finitura di materiali temprati/duri
		P10	M10	**K10**	N10	**S10**	H10	
		P20	M20	**K20**	N20	**S20**	**H20**	
		P30	M30	**K30**	N30	S30	**H30**	
		P40	M40	K40	N40			
		P50	M50					
TI2_	TiCn	P05	M05	K05	N05	S05	H05	Ébauche et finition de gorges à des vitesses de coupe modérées vitesses de coupe, réduction des des arêtes rapportées Sgrossatura e finitura di gole a velocità di taglio moderate, riduzione del tagliente di riporto
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	M30	K30	N30	S30	H30	
		P40	**M40**	K40	N40			
		P50	**M50**					
TN3_	TiN	P05	M05	K05	N05	S05	H05	Ébauche et finition de gorges à des vitesses de coupe modérées modérées Sgrossatura e finitura di gole a velocità moderate
		P10	M10	K10	N10	S10	H10	
		P20	M20	K20	N20	S20	H20	
		P30	M30	K30	N30	S30	H30	
		P40	M40	**K40**	N40			
		P50	M50					

ISO 513	P	M	K	N	S	H
Ténacité / Tenacità - / + ; Résistance à l'usure / Resistenza all'usura - / +	05	05	05	05	05	05
	10	10	10	10	10	10
	20	20	20	20	20	20
	30	30	30	30	30	30
	40	40	40	40		
	50	50				

Conditions de coupe
Parametri di taglio

Matière Materiale			Groupe de matières Gruppo materiale	Dureté Brinell Durezza Brinell (HB)	Ténacité R_m [N/mm²] Tenacità	Exemple de matériau Esempio di materiale	
P	Acier non allié Acciaio non legato	~ 0,2 % C	P1.1	125	430	CK15	
		~ 0,4% C recuit ricotti	P1.2	190	610	19Mn6	
		~ 0,4% C traités bonificati	P1.3	210	640	36Mn5	
		~ 0,6% C recuit ricotti	P1.4	190	610	C55	
		~ 0,6% C traités bonificati	P1.5	300	1000	CK60	
		Acier de décolletage Acciaio da taglio gratuito	P1.6	220	750	9SMn28	
	Acier faiblement allié (<5%) Acciai basso legati	recuit ricotti	P2.1	180	590	100Cr6	
		traités bonificati	P2.2	280	960	14NiCr10	
		traités bonificati	P2.3	350	1250	34CrMo4	
		traités bonificati	P2.4	430	1450	55Cr3	
	Acier hautement allié (>5%) Acciai alto legati	recuit ricotti	P3.1	200	680	X10CrAl18	
		gehärtet hardened	P3.2	350	1200	X210Cr2	
	Acier moulé Acciaio fuso	non allié non legato	P4.1	180	590	GE200	
		allié legato	P4.2	220	750	GX40CrSi28	
	Acier fritté Acciaio sinterizzato	doux morbido	P5.1	220	570	Sint-D39	
M	Acier inoxydable Acciaio inossidabili	martensitique ferritique martensitici ferritici	M1.1	200	680	X16Cr13	
		austenitique austenitici	M1.2	300	1000	X6CrNiMo-Ti17-12-2	
		austenitique ferritique austenitici ferritici	M1.3	230	780	X2CrNiMo-N17-13-3	

Y

	Vitesse de coupe vc (m/min) / Valeurs de départ Velocità di taglio vc (m/min) / Valori di partenza									
	K10 MG12	TN3_	TI2_	TH3_ TF4_ AS4_ AS6_	ES1_ AC2_	EG3_ EG5_ HP6_	IG3_ IG6_	DD2_	SG3_	H20 H54 IG6T
		200-130	260-160	280-180	280-180	280-180	340 - 220			400 - 300
		160-70	230 -120	250 -140	250 -140	250 -140	320 - 200			400 - 300
		160-70	230 -120	250 -140	250 -140	250 -140	320 - 200			400 - 300
		160-70	230 -120	250 -140	250 -140	250 -140	320 - 200			400 - 300
		150-60	190 - 70	210 - 90	210 - 90	210 - 90	280 - 150			400 - 300
		160-70	230 - 120	250 - 140	250 - 140	250 - 140	320 - 200			350 - 250
		150-80	200 - 80	220 - 100	220 - 100	220 - 100	300 - 180			400 - 300
		140-70	190 - 70	210 - 90	210 - 90	210 - 90	280 - 150			400 - 300
		130-50	170 - 60	190 - 80	190 - 80	190 - 80	250 - 140			350 - 250
		130-50	170 - 60	190 - 80	190 - 80	190 - 80	230 - 120			350 - 250
		140-60	180 - 60	200 - 80	200 - 80	200 - 80	260 - 140			250 -200
		130-50	170 - 60	190 - 80	190 - 80	190 - 80	250 - 120			250 -200
		140-100	180 - 120	200 - 140	200 - 140	200 - 140	250 - 200			250 - 200
		110-70	140 - 80	160 - 100	160 - 100	160 - 100	220 - 160			220 - 160
					120 - 80	120 - 80	150-90		150-90	250 - 200
					100 - 60	100 - 60	110-80		110-80	200 - 150
							120-90		120-90	200 - 150

Conditions de coupe
Parametri di taglio

Matière Materiale			Groupe de matières Gruppo materiale	Dureté Brinell Durezza Brinell (HB)	Ténacité R_m [N/mm²] Tenacità	Exemple de matériau Esempio di materiale	
K	Fonte grise Ghise	basse ténacité alta tenacità	K1.1	180	250	GG-25	
		haute ténacité bassa tenacità	K1.2	250	350	GG-40	
	Fonte graph. spheroïdale Ghise sferoidali	ferritique ferritici	K2.1	160	400	GGG-40	
		perlitique perlitici	K2.1	260	700	GGG-60	
	Fonte malléable Ghisa malleabile	ferritique ferritic	K3.1	200	400	GTW-45	
		perlitique perlitici	K3.2	260	700	GTS-55-04	
	Fonte ausferritique/ADI Ausferritico Ghisa/ADI	traités bonificati	K4.1	260	800		
		traités bonificati	K4.2	350	1050		
		traités bonificati	K4.3	450	1400		
N	Alliage d'aluminium Leghe d'alluminio	ne peut pas être traité non trattabili al calore	N1.1	30		AlMg1	
		pouvant être traité thermiquement trattabili al calore	N1.2	100	340	AlMgSi1	
	Alliage de fonte d'aluminium Leghe di alluminio presso fuso	< 6% Si	N2.1	80	300	AlMgSi6	
		6-10% Si	N2.2	100	320	AlSi7Mg	
		10-15 % Si	N2.3	130	450	AlSi12	
	Alliages de cuivre Leghe di rame	Cuivre pur Rame puro	N3.1	100	340	Cu	
		Laiton Ottone	N3.2	90	310	CuZn40Pb	
		Laiton sans plomb Ottone senza piombo	N3.3	110	430	CuZn40	
		haute résistance alta resistenza	N3.4	300	1000	CuZn25Al5-Mn4Fe3	
	Graphite Grafite		N4.1				

Y

	Vitesse de coupe vc (m/min) / Valeurs de départ Velocità di taglio vc (m/min) / Valori di partenza									
	K10 MG12	TN3_	TI2_	TH3_ TF4_ AS4_ AS6_	ES1_ AC2_	EG3_ EG5_ HP6_	IG3_ IG6_	DD2_	SG3_	H20 H54 IG6T
	90- 60	140-90		200 - 120	200 - 120	200 - 120	250 -140		250 -140	
	90 -60	110-90		160 - 120	160 - 120	160 - 120	220 - 150		220 - 150	
		110-80		180 - 130	180 - 130	180 - 130	240 - 160		240 - 160	
		110-80		160 - 120	160 - 120	160 - 120	200 - 160		200 - 160	
		150-90		220 - 120	220 - 120	220 - 120	280 - 180		280 - 180	
		130-60		190 - 100	190 - 100	190 - 100	250 - 160		250 - 160	
		110-60		180 - 90	180 - 90	180 - 90				
		110-60		160 - 80	160 - 80	160 - 80				
		80-50		120 - 60	120 - 60	120 - 60				
	600-400							1000 - 600		500 - 350
	400-200							600-300		350 - 300
	600 - 300							1000 -600		500 - 350
								400 - 220		350 - 300
	200 - 120							400 - 220		
	200 - 120							300 - 180		
	150 - 90							250 - 120		
	150 -90							200 - 80		

Conditions de coupe
Parametri di taglio

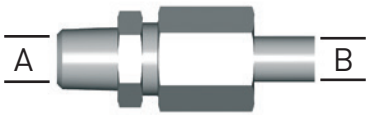
Matière Materiale			Groupe de matières Gruppo materiale	Dureté Brinell Durezza Brinell (HB)	Ténacité R_m [N/mm²] Tenacità	Exemple de matériau Esempio di materiale	
S	Résistant à la chaleur Alliage Leghe resistenti al calore (Fe)	recuit ricotti	S1.1	200	670		
		trempé temprato	S1.2	275	930		
	Résistant à la chaleur Alliage Leghe resistential calore (Ni, Co)	recuit ricotti	S2.1	250	840	Inconel 600	
		trempé temprato	S2.2	350	1200	Inconel 713	
	Titane Titanio	Alliage de titane α Lega di titanio α	S3.1	120	240		
		Alliage de titane α-β Lega di titanio α- β	S3.2	360	1200		
		Alliage de titane β Lega di titanio β	S3.3	410	1400		
H	Aciers trempés Acciai temprati	50-55 HRC	H1.1	-	-		
		55-60 HRC	H1.2	-	-		
		60-63 HRC	H1.3	-	-		
		> 63HRC	H1.4	-	-		
O	Thermoplastiques Thermoplastiche		O1.1				
	Plastique dur Plastica dura		O1.2				
	Plastiques renforcés de fibres de verre Plastiche caricate a fibra di vetro	GFK	O1.3				
	Plastiques renforcés de fibres de carbone Plastiche caricate a fibra di carbonio	CFK	O1.4				

Y

	Vitesse de coupe vc (m/min) / Valeurs de départ Velocità di taglio vc (m/min) / Valori di partenza									
	K10 MG12	TN3_	TI2_	TH3_ TF4_ AS4_ AS6_	ES1_ AC2_	EG3_ EG5_ HP6_	IG3_ IG6_	DD2_	SG3_	H20 H54 IG6T
	50-30						80 - 60		90-70	
	50-30						50 - 30		60-40	
	50-30						70 - 50		80-60	
	50-30						60 - 40		70-50	
	50-30						150 - 110		160-120	
	50-30						80 - 60		90-70	
	50-30						50 - 45		60-50	
							60 - 40		70-50	
							50 -30		60-40	
	150 - 50									
	150 - 100									
	150 - 100									
	300 - 150									

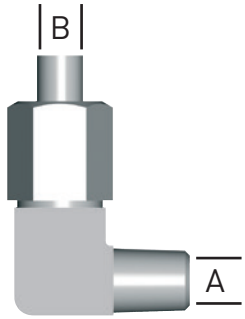
Raccord pour arrosage centre outils pour tuyau Ø 6 mm

Raccordi per l'adduzione del refrigerante per tubo Ø 6 mm



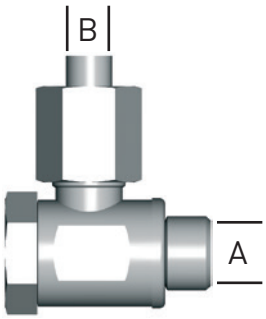
Raccord pour arrosage centre outils, directement vissé
Raccordo ad angolo,
Raccordo diritto

A	B	N° de commande Codice prodotto
M8 x 1	ø 6 mm	004.00.19
G1/8''	ø 6 mm	004.00.14



Raccord pour arrosage centre outils, coudé et fixe
Raccordo ad angolo,
Raccordo ad angolo,
non orientabile

A	B	N° de commande Codice prodotto
M8 x 1	ø 6 mm	004.00.22
G1/8''	ø 6 mm	004.00.33



Raccord à vissé pivotant
Raccordo ad angolo orientabile

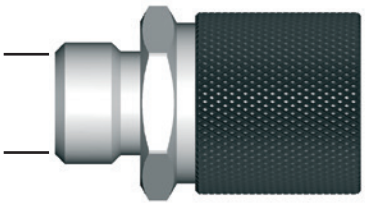
A	B	N° de commande Codice prodotto
M8 x 1	ø 6 mm	004.00.61
G1/8''	ø 6 mm	004.00.16

Raccord rapide pour arrosage centre outils

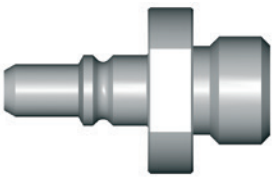
Raccordo ad innesto rapido per l'adduzione del refrigerante

Raccord rapide
Innesto rapido

M10 x 1 - 004.00.49

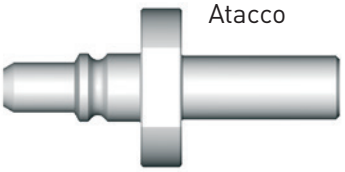


Embouts
Atacco



M8 x 1 - 004.00.56
G1/8" - 004.00.57

Embouts
Atacco



Ø 6 mm - 004.00.59

Y



D 041 VL

0,4-1 Nm

Tournevis dynamométrique avec graduation
- réglage variable du couple
- le couple ajusté est indiqué sur le cadran

Le couple peut être ajusté à l'aide d'un outil spécial de réglage du couple (inclus).
Poignée : Forme ergonomique offrant une parfaite maniabilité. Signal sonore lorsque le couple réglé est atteint.
Norme : EN ISO 6798, BS EN 26789, ASME B 107.14.M
Précision : ± 6 %



D 15 VL

1-5 Nm

Cacciavite dinamometrico graduato
- impostazione variabile della coppia
- la coppia regolata viene visualizzata sul display

La coppia può essere regolata con un apposito regolatore di coppia (incluso).
Impugnatura: La forma ergonomica offre una perfetta maneggevolezza. Segnale acustico al raggiungimento della coppia impostata.
Standard: EN ISO 6798, BS EN 26789, ASME B 107.14.M.
Precisione: ± 6%



D 28 VL

2-7 Nm



ED 28 VL
pour / per
D041VL / D15VL / D28VL

Dispositif pour le réglage du couple requis

Poignée : En cellulose avec une surface micro-structurée
Lame : Lame octogonale (8 plats), galvanisée et trempée.

Dispositivo per l'impostazione della coppia richiesta

Impugnatura: Cellulosa-acetato con superficie micro strutturata
Lama: Lama ottagonale (8 lamelle), zincata e temprata



D515QL

5-14 Nm

Tournevis dynamométrique avec graduation
- réglage variable du couple
- le couple ajusté est indiqué sur le cadran

Le couple peut être ajusté à l'aide d'un outil spécial de réglage du couple (inclus).
Poignée : Forme ergonomique offrant une parfaite maniabilité. Signal sonore lorsque le couple réglé est atteint.
Norme : EN ISO 6798, BS EN 26789, ASME B 107.14.M
Précision : ± 6 %

Cacciavite dinamometrico graduato
- impostazione variabile della coppia
- la coppia regolata viene visualizzata sul display

La coppia può essere regolata con un apposito regolatore di coppia (incluso).
Impugnatura: La forma ergonomica offre una perfetta maneggevolezza. Segnale acustico al raggiungimento della coppia impostata.
Standard: EN ISO 6798, BS EN 26789, ASME B 107.14.M.
Precisione: ± 6%



ED515QL
pour / per
D515QL

Dispositif pour le réglage du couple requis

Poignée : En cellulose avec une surface micro-structurée
Lame : Lame octogonale (8 plats), galvanisée et trempée.

Dispositivo per l'impostazione della coppia richiesta

Impugnatura: Cellulosa-acetato con superficie micro strutturata
Lama: Lama ottagonale (8 lamelle), zincata e temprata



DT6PK
DT7PK
DT8PK
DT9PK
DT10PK
DT15PK
DT20PK
DT25PK
pour / per
D041VL / D15VL / D28VL



Plus

Embout pour vis TORX PLUS®

Lame : Acier Chrome-Vanadium de haute qualité, trempé à cœur, chromé. La lame Wiha Chrome garantit une précision maximale.
Code couleur : vert foncé
Utilisation : Réglage contrôlé de la vis avec un couple défini en combinaison avec le manche du tournevis dynamométrique Wiha.

Inserto per viti TORX-Plus®

Lama: acciaio al cromo vanadio di alta qualità, temprato e cromato. La lama Wiha Chrome garantisce la massima precisione. Codice colorato verde scuro
Utilizzo: Regolazione controllata della vite con coppia definita in combinazione con l'impugnatura del cacciavite dinamometrico Wiha.



DT6K
DT8K
DT15K
pour / per
D041VL / D15VL / D28VL



Embout pour vis Torx

Lame : Acier Chrome-Vanadium de haute qualité, trempé à cœur, chromé. La lame Wiha Chrome garantit une précision maximale.
Code couleur : vert foncé
Utilisation : Réglage contrôlé de la vis avec un couple défini en combinaison avec le manche du tournevis dynamométrique Wiha.

Inserto per viti Torx screws

Lama: acciaio al cromo vanadio di alta qualità, temprato e cromato. La lama Wiha Chrome garantisce la massima precisione. Codice colorato verde scuro
Utilizzo: Regolazione controllata della vite con coppia definita in combinazione con l'impugnatura del cacciavite dinamometrico Wiha.



DT15PQ
DT20PQ
DT25PQ
DT27PQ
DT30PQ
pour / per
D515QL



Plus

Embout pour vis TORX PLUS®

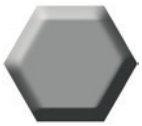
Lame : Acier Chrome-Vanadium de haute qualité, trempé à cœur, chromé. La lame Wiha Chrome garantit une précision maximale.
Code couleur : vert foncé
Utilisation : Réglage contrôlé de la vis avec un couple défini en combinaison avec le manche du tournevis dynamométrique Wiha.

Inserto per viti TORX-Plus®

Lama: acciaio al cromo vanadio di alta qualità, temprato e cromato. La lama Wiha Chrome garantisce la massima precisione. Codice colorato verde scuro
Utilizzo: Regolazione controllata della vite con coppia definita in combinazione con l'impugnatura del cacciavite dinamometrico Wiha.



DSW15K
DSW20K
DSW25K
DSW30K
DSW40K
pour / per
D041VL / D15VL / D28VL



DSW50K
DSW60K
pour / per
D15QL

Embout pour vis à tête creuse hexagonal

Lame : Acier Chrome-Vanadium de haute qualité, trempé à cœur, chromé. La lame Wiha Chrome garantit une précision maximale.
Code couleur : vert foncé
Utilisation : Réglage contrôlé de la vis avec un couple défini en combinaison avec le manche du tournevis dynamométrique Wiha.

Inserto per viti a brugola

Blade: High quality Chrome-Vanadium steel, through hardeInserto: acciaio al cromo vanadio di alta qualità, temprato e cromato. La lama al cromo Wiha garantisce la massima precisione. Codice colorato rosso
Utilizzo: Regolazione controllata della vite con coppia definita in combinazione con l'impugnatura del cacciavite dinamometrico Wiha.



D14ZBK
pour / per
D041VL / D15VL / D28VL

Embout universel pour embouts C6,3 et E6,3 (1/4")

Lame : Acier Chrome-Vanadium de haute qualité, trempé à cœur, chromé.
Col : Acier inoxydable
Utilisation : Pour un vissage contrôlé avec un couple défini en combinaison avec le manche du tournevis dynamométrique.

Chiave universale per punte C6,3 ed E6,3 (1/4")

Inserto: acciaio al cromo vanadio di alta qualità, temprato e cromato.
Collare: Acciaio inossidabile
Utilizzo: Per l'avvitamento controllato con coppia definita in combinazione con l'impugnatura del cacciavite dinamometrico.



D14ZBQ
pour / per
D515QL

Embout universel pour embouts C6,3 et E6,3 (1/4")

Lame : Acier Chrome-Vanadium de haute qualité, trempé à cœur, chromé.
Col : Acier inoxydable
Utilisation : Pour un vissage contrôlé avec un couple défini en combinaison avec le manche du tournevis dynamométrique.

Chiave universale per punte C6,3 ed E6,3 (1/4")

Inserto: acciaio al cromo vanadio di alta qualità, temprato e cromato.
Collare: Acciaio inossidabile
Utilizzo: Per l'avvitamento controllato con coppia definita in combinazione con l'impugnatura del cacciavite dinamometrico.



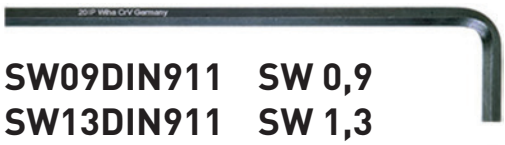
14ZQK

Clé Universel avec poignée en T pour C6,3 et E6,3 (1/4")

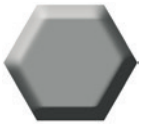
Lame : Acier Chrome-Vanadium de haute qualité, trempé à cœur ned, chromé.
Col : Acier inoxydable
Utilisation : Pour une ouverture contrôlée

Chiave universale con impugnatura a T per punte C6,3 and E6,3 (1/4")

Blade: High quality Chrome-Vanadium steel, through hardened, chrome plated.
Collar: Stainless steel
Utilization: For controlled opening



SW09DIN911 SW 0,9
SW13DIN911 SW 1,3
SW15DIN911 SW 1,5
SW20DIN911 SW 2,0
SW25DIN911 SW 2,5
SW30DIN911 SW 3,0
SW35DIN911 SW 3,5
SW40DIN911 SW 4,0
SW50DIN911 SW 5,0
SW60DIN911 SW 6,0
SW70DIN911 SW 7,0
SW80DIN911 SW 8,0
SW100DIN911 SW 10,0
SW120DIN911 SW 12,0
SW140DIN911 SW 14,0



Clé pour vis Hexagone intérieur

Utilisation: Pour toutes les opérations de vissage

Clé pour vis Sedi Esagone

Utilizzo: Per tutte le operazioni di avvitamento



T6PW
T7PW
T8PW
T9PW
T10PW
T15PW
T20PW
T25PW
T30PW



Plus

Clé pour vis TORX PLUS®

Utilisation : Pour tout type d'utilisation des vis TORX PLUS®
Attention : La clé TORX PLUS® ne convient pas aux vis Torx.

Chiave per viti TORX PLUS®

Utilizzo: Per tutti i tipi di utilizzo delle viti TORX PLUS®.
Attenzione: La chiave TORX PLUS® NON è adatta alle viti Torx.

Index

Type Tipo	Page Pag.
050	233
64 / 65	381
76	306
99	382
105	497-502
114	518-523
208	266
210	212-213
211	264-265
213	223-227
214	228, 229
217	138-142
218	214-215
219	221
220	538, 239
221	574
225	222
226	216-217, 650
228	575
229	249-255, 465-466, 570
229 / S229	256, 653
230 / 250	133
231	268, 468
231 / N231	576
232	143-144
233 / 253	134
234 / 254	135
235 / 255	136
240	130-131
245	137
248	132
257	232
259	260
264	285-291, 469, 665-666
309	386
312	394-410, 582, 689-692
315	427-431, 477-482

Type Tipo	Page Pag.
330	389
333	424
340	387-388
356	415-421, 586, 588
356	780
357	422-423, 425-426
357	587
360	371-375, 580
361	376
368	377-378, 686-687
369	379-380, 581
390	384
391	385, 688
974	301
A105	504-505
A109	507, 509-510
A315	589, 590
B105	492-493, 503, 723
BU105	493
B109	506
B110	508
B114	514-515
B209	114
B216	122
B223	96, 98-101
B224	173-178
B224	180-181, 540
B229	230
BA114	516
BK223	97
BK224	179
BK229	231
E223	103
H25A	526-527
H32T	348
H34T	358-360
H64T	452-454

Index

Type Tipo	Page Pag.
H100	27-64, 596-613
H101	75
H105	494
H117	79-80, 82, 84, 86, 87
H223	102, 626
H224	153-172, 632-638
H229	219-220
H259	259
H262	271
H264	280-284, 660-664
H274	296-300, 303, 670
H274...E	321, 677
H274...SF	336-337
H316	440-441, 446, 698
HC105	495
HC114	517
HC316	442, 447
IB25A	529
K25A	528
KT274	304
KTC274	305
LA210	554
LA226	556
LAK220	558-559
LAK224	541-542
LIK220	562, 563
LIK224	545-546
N67 / N68	383
N105	737, 746
N105/N110	729-736, 738-745
N229	467
NASH	710
NS224	464
P105	715
RA210	555
RA226	557
RAK220	560-561

Type Tipo	Page Pag.
RAK224	543-544
RHC274	302
RIK220	564-565
RIK224	547-548
S15A	530-532
S25A	533-534
S32T	349-353, 476
S34T	361-365
S64T	455-460, 483, 484
S100	65-74, 614-623
S101	76
S117	81, 83, 85, 764-779
S124	192
S209	115-118
S216	123-126
S223	104-109, 627-629
S224	182-204, 463, 549-551, 639-646
S229	234-248, 257, 258, 566-569, 651-652, 654-656
S262	272-275, 307-320
S274	470, 472, 474, 671-676
S274...E	322-335, 471, 473, 475, 678-683
S274...SF	338-344
S312	390-393, 693-695
S315	433-436
S316	443-445, 699, 700
SB105	714, 720
SB105.HSK	713
SB105 / SB110	721-722, 724-727
SB110	728
SH117	753-755, 757-763
SH117 / H117	756
SHM117/SH117	752
VDI	496, 706-709

TROUVEZ MAINTENANT VOTRE SOLUTION D'OUTILLAGE APPROPRIÉE.
TROVA L'UTENSILE ADATTO PER TE.

horn-group.com

ALLEMAGNE, SIÈGE SOCIAL
SEDE PRINCIPALE, GERMANIA
—
Hartmetall-Werkzeugfabrik
Paul Horn GmbH
Horn-Straße 1
72072 Tübingen

Tel +49 7071 7004-0
Fax +49 7071 72893

info@de.horn-group.com
horn-group.com

FRANCE
—
HORN S.A.S
665, av. Blaise Pascal,
Zone Industrielle
F-77127 Lieusaint

Tel +33 1648859-58
Fax +33 1648860-49

infos@fr.horn-group.com
horn-group.com

ITALIA
—
Febametal S.p.A.
Via Grandi 15
I-10095 Grugliasco

Tel +39 011 770 14 12
Fax +39 011 770 15 24

febametal@febametal.com
www.febametal.com

KHARTDREHFI, 03/2025, Printed in Germany