

312



Porte outils et plaquettes

Largeur de gorge 0,5 - 6,3 mm

Portainserito e inserti

Larghezza della gola 0,5 - 6,3 mm

Géométries et avances
Geometrie e avanzamenti

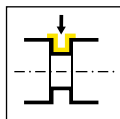
Page/Pag.
385-386

Porte outils

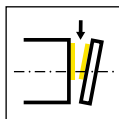
Portainserito

360/361/368/369

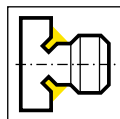
390/391/309/340



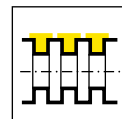
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387-392, 395-
396, 400-401



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393-394



Page/Pag.
402

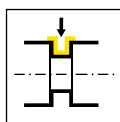


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403-404

Cartouche Graf

Cartuccia Graf

64/65/99

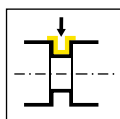


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397-398

Supports réglables

Portainserito registrabile

N67/N68

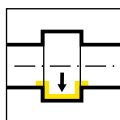


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Base de support

Attacco Base

330

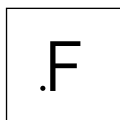


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405

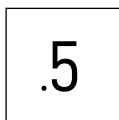
Plaquette amovible

Inserto

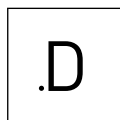
S312/312



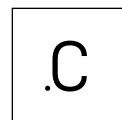
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406



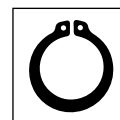
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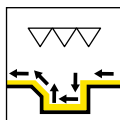
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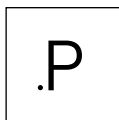
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409, 426



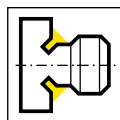
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410-414



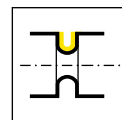
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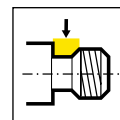
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416



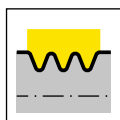
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417-418



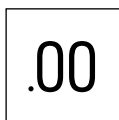
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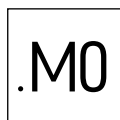
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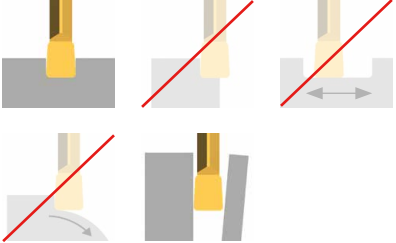
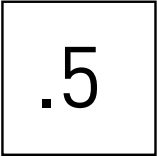
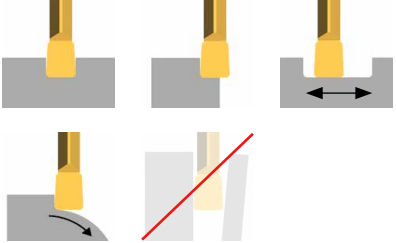
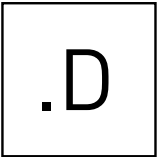
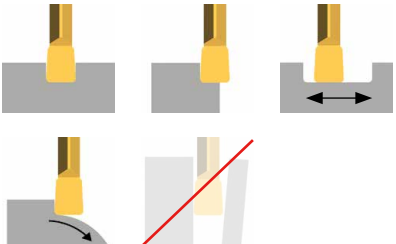
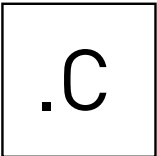
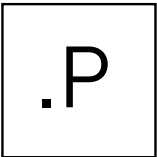
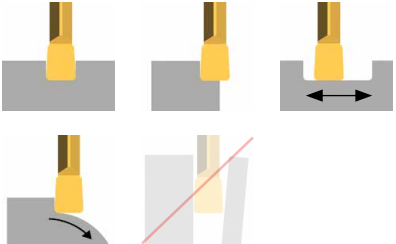
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423-424



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Géométrie Geometria	Matière Materiale	Avance f [mm/trs] Avanzamento f [mm/giro]	Usinage Lavorazione
	P M K N S H	↓ 0,03-0,15	
	P M K N S H	↓ 0,10-0,45 ↔ 0,15-0,60	
	P M K N S H	↓ 0,03-0,15 ↔ 0,05-0,20	
	P M K N S H	↓ 0,02-0,10	
	P M K N S H	↓ 0,02-0,08 ↔ 0,02-0,04	

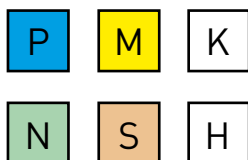
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Géométrie
Geometria

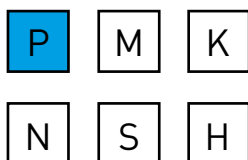
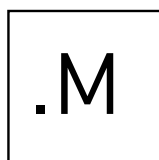
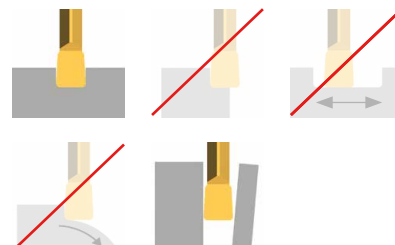
Matière
Materiale

Avance f [mm/trs]
Avanzamento f [mm/giro]

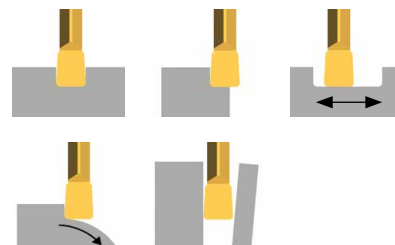
Usinage
Lavorazione

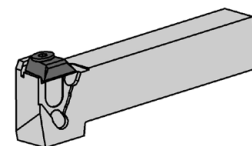
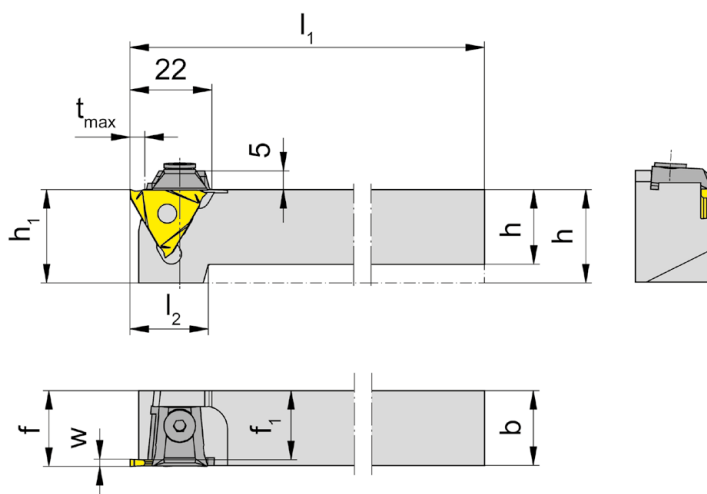
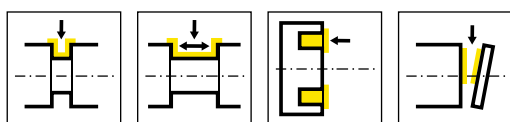


0,02-0,12



0,02-0,12





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}	HWS
R360.1212.01	12	12	100	24	25	10,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.1212.02	12	12	100	24	25	9,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
R360.1616.01	16	16	125	22	25	14,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.1616.02	16	16	125	22	25	13,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
R360.2020.01	20	20	125	21	25	18,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.02	20	20	125	21	25	17,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
R360.2525.01	25	25	150	-	25	23,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.2525.02	25	25	150	-	25	22,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
R360.3232.01	32	32	170	-	32	30,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.3232.02	32	32	170	-	32	29,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
L360.1212.01	12	12	100	24	25	10,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.1212.02	12	12	100	24	25	9,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
L360.1616.01	16	16	125	22	25	14,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.1616.02	16	16	125	22	25	13,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
L360.2020.01	20	20	125	21	25	18,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.02	20	20	125	21	25	17,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
L360.2525.01	25	25	150	-	25	23,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.2525.02	25	25	150	-	25	22,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
L360.3232.01	32	32	170	-	32	30,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.3232.02	32	32	170	-	32	29,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L

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

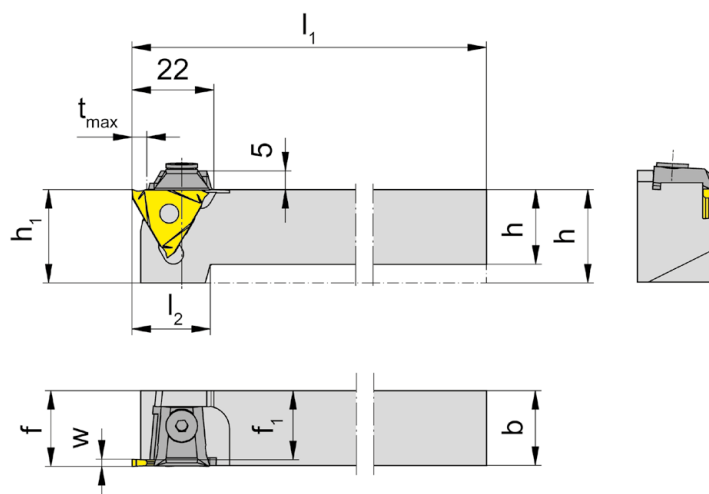
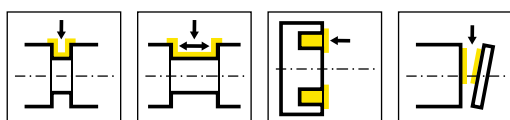
tmax ne peut être atteint seulement avec un diamètre de pièce Ø ≤ 40 mm
tmax può essere raggiunta solo lavorando pezzi Ø ≤ 40 mm

Pièces Détachées

Ricambi

Porte outils Portainsero	Bride Staffa
R/L360.1...	11.3
R/L360...	16.4

0



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}	HWS
R360.1212.03	12	12	100	24	25	8,5	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
R360.1616.03	16	16	125	22	25	12,5	f ₁ +w-a ₁	6	31203N • 31203R • 31203L
R360.2020.04	20	20	125	21	25	14,8	f ₁ +w-a ₁	6	31204N • 31204R • 31204L
R360.2020.03	20	20	125	21	25	16,5	f ₁ +w-a ₁	6	31203N • 31203R • 31203L
R360.2525.04	25	25	150	-	25	19,8	f ₁ +w-a ₁	6	31204N • 31204R • 31204L
R360.2525.03	25	25	150	-	25	21,5	f ₁ +w-a ₁	6	31203N • 31203R • 31203L
R360.3232.04	32	32	170	-	32	26,8	f ₁ +w-a ₁	6	31204N • 31204R • 31204L
R360.3232.03	32	32	170	-	32	28,5	f ₁ +w-a ₁	6	31203N • 31203R • 31203L
L360.1212.03	12	12	100	24	25	8,5	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
L360.1616.03	16	16	125	22	25	12,5	f ₁ +w-a ₁	6	31203N • 31203R • 31203L
L360.2020.04	20	20	125	21	25	14,8	f ₁ +w-a ₁	6	31204N • 31204R • 31204L
L360.2020.03	20	20	125	21	25	16,5	f ₁ +w-a ₁	6	31203N • 31203R • 31203L
L360.2525.04	25	25	150	-	25	19,8	f ₁ +w-a ₁	6	31204N • 31204R • 31204L
L360.2525.03	25	25	150	-	25	21,5	f ₁ +w-a ₁	6	31203N • 31203R • 31203L
L360.3232.04	32	32	170	-	32	26,8	f ₁ +w-a ₁	6	31204N • 31204R • 31204L
L360.3232.03	32	32	170	-	32	28,5	f ₁ +w-a ₁	6	31203N • 31203R • 31203L

w, a1 voir plaquettes amovibles

w, a1 vd. inserti

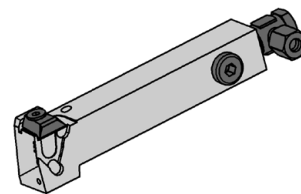
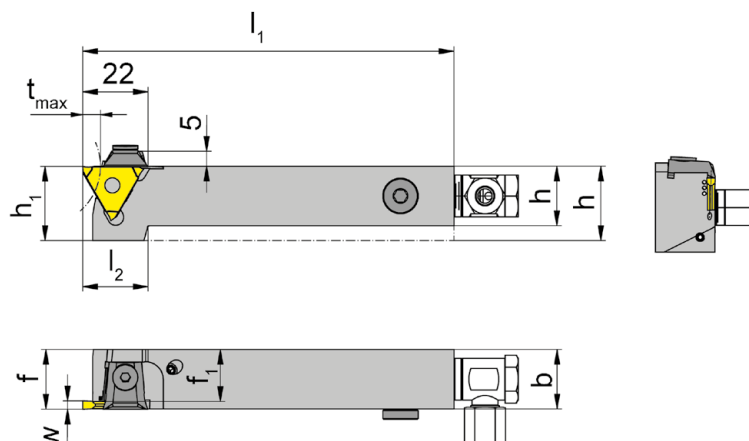
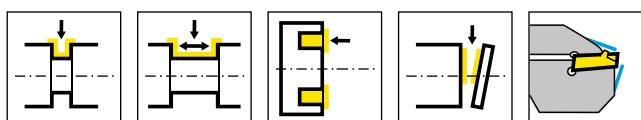
tmax ne peux être atteint seulement avec un diamètre de pièce Ø ≤ 40 mm

tmax può essere raggiunta solo lavorando pezzi Ø ≤ 40 mm

Pièces Détachées

Ricambi

Porte outils Portainsero	Bride Staffa
R/L360.1212.03/...1616.03	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

N° de commande Codice prodotto	h	b	l ₁	l ₂	h ₁	f ₁	f	t _{max}	HWS
R360.1212.01.IK	12	12	100	24	25	10,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.1616.01.IK	16	16	125	22	25	14,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.01.IK	20	20	125	21	25	18,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.2525.01.IK	25	25	150	-	25	23,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.1212.02.IK	12	12	100	24	25	9,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
R360.1616.02.IK	16	16	125	22	25	13,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
R360.2020.02.IK	20	20	125	21	25	17,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
R360.2525.02.IK	25	25	150	-	25	22,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
L360.1212.01.IK	12	12	100	24	25	10,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.1616.01.IK	16	16	125	22	25	14,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.01.IK	20	20	125	21	25	18,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.2525.01.IK	25	25	150	-	25	23,5	f ₁ +w-a ₁	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.1212.02.IK	12	12	100	24	25	9,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
L360.1616.02.IK	16	16	125	22	25	13,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
L360.2020.02.IK	20	20	125	21	25	17,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L
L360.2525.02.IK	25	25	150	-	25	22,5	f ₁ +w-a ₁	6	31202N • 31202R • 31202L

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

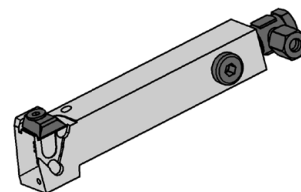
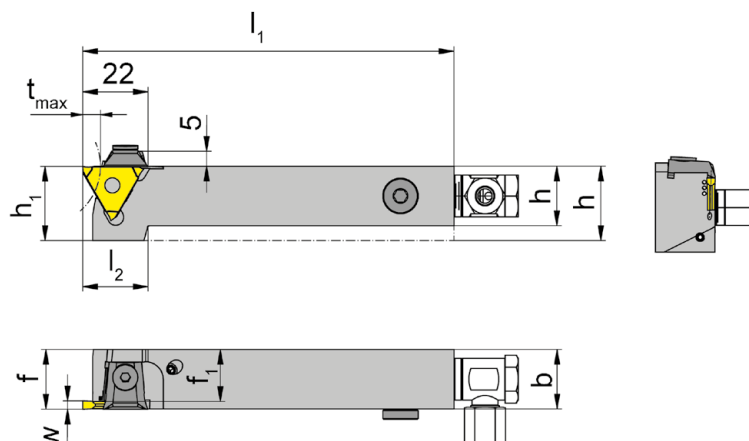
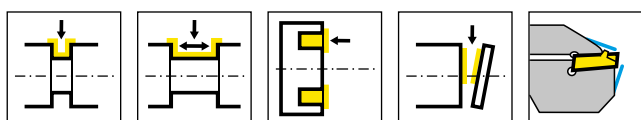
tmax ne peut être atteint seulement avec un diamètre de pièce Ø ≤ 40 mm
tmax può essere raggiunta solo lavorando pezzi Ø ≤ 40 mm

Pièces Détachées

Ricambi

Porte outils Portainsero	Arrosage Lubrificazione	Bride Staffa	Vis Vite
R/L360.1212....	004.00.22	11.3	
R/L360.1616.01.IK	004.00.16	11.3	004.00.26
R/L360....	004.00.16	16.4	18.908
R/L360.1616.02.IK	004.00.16	11.3	18.908

0



R = version à droite représentée
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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}	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

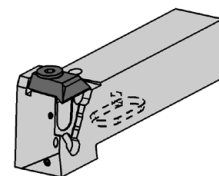
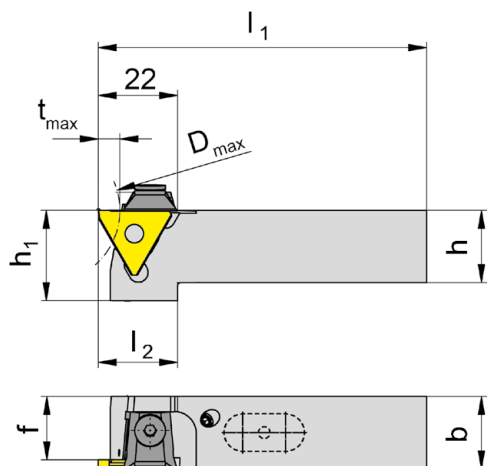
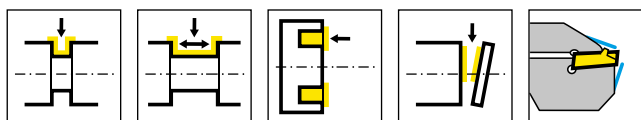
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

tmax ne peut 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 Portainsero	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



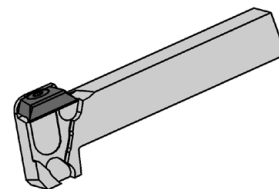
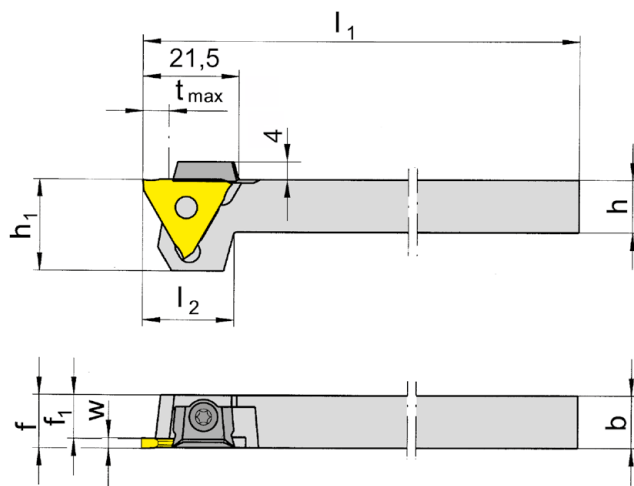
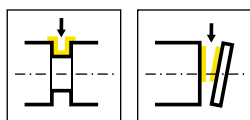
N° de commande Codice prodotto	h	b	l ₁	l ₂	h ₁	f	D _{max}	t _{max}	HWS
R360.2020.5.01.IK	20	20	91	22	25	18,5	40	4	31201N • 31201R • 31201L • 31208N • 31211N
R360.2020.5.02.IK	20	20	91	22	25	17,5	40	6	31202N • 31202R • 31202L
R360.2020.5.03.IK	20	20	91	22	25	16,5	40	6	31203N • 31203R • 31203L
R360.2020.5.04.IK	20	20	91	22	25	14,8	40	6	31204N • 31204R • 31204L
L360.2020.5.01.IK	20	20	91	22	25	18,5	40	4	31201N • 31201R • 31201L • 31208N • 31211N
L360.2020.5.02.IK	20	20	91	22	25	17,5	40	6	31202N • 31202R • 31202L
L360.2020.5.03.IK	20	20	91	22	25	16,5	40	6	31203N • 31203R • 31203L
L360.2020.5.04.IK	20	20	91	22	25	14,8	40	6	31204N • 31204R • 31204L

Pièces Détachées

Ricambi

Porte outils Portainsero	Bride Staffa
R/L360...	16.4

0



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}	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

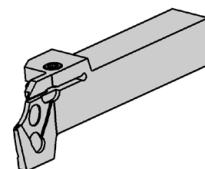
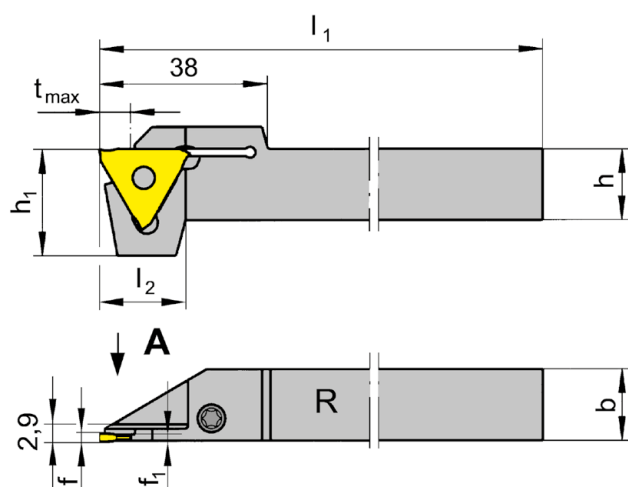
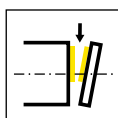
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

tmax ne peut 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 Portainsero	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

N° 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)

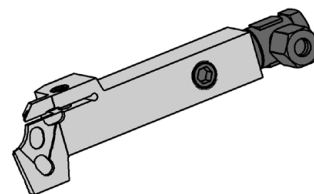
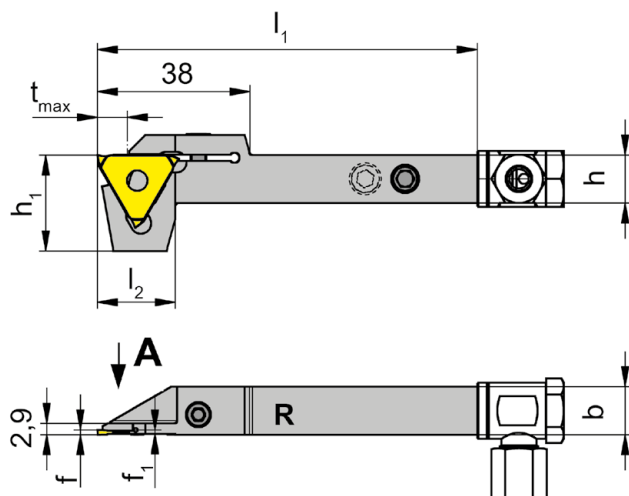
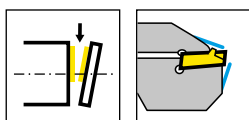
a1 voir plaquettes amovibles
a1 vd. inserti

Pièces Détachées

Ricambi

Porte outils Portainsero	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
R/L368...	4.15T15P	T15PQ

0



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}	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

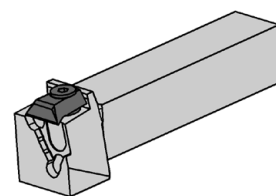
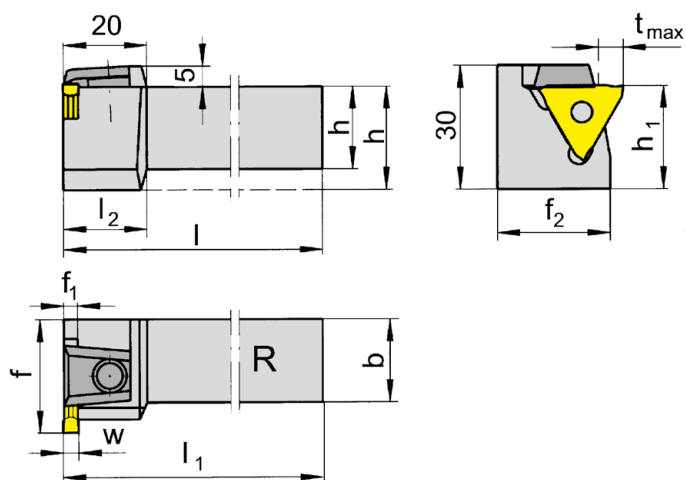
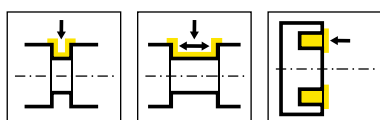
pour machines TRAUB (TNL12/7)
per macchina utensile TRAUB (TNL12/7)

a1 voir plaquettes amovibles
a1 vd. inserti

Pièces Détachées

Ricambi

Porte outils Portainsero	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

N° 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

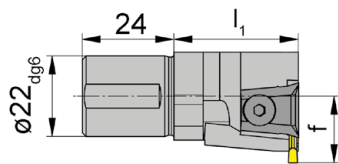
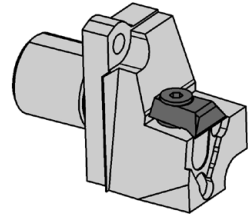
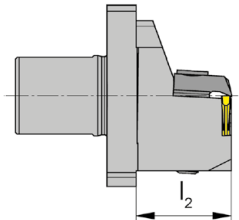
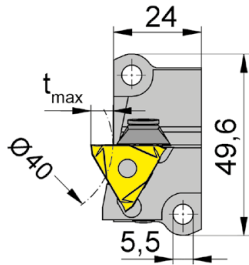
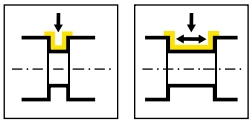
tmax ne peut être atteint seulement avec un diamètre de pièce Ø ≤ 40 mm
tmax può essere raggiunta solo lavorando pezzi Ø ≤ 40 mm

Pièces Détachées

Ricambi

Porte outils Portainsero	Bride Staffa
R/L369...	16.4

0



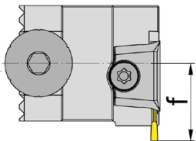
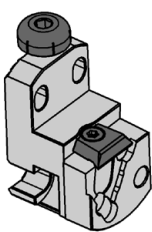
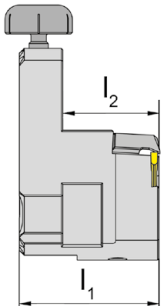
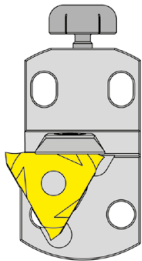
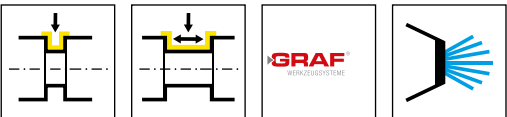
L = version à gauche représentée
L = versione sinistra come in figura

N° de commande Codice prodotto	l_2	f	t_{max}	l_1	HWS	HMS
L369.A022.18.01	26	18,2	4	34	31201N • 31201R • 31201L • 31208N • 31211N	Star
L369.A022.18.02	26	18,2	6	34	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 Portainsero	Bride Staffa
L369...	16.4



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

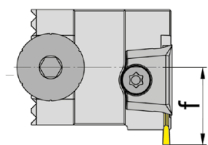
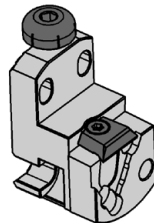
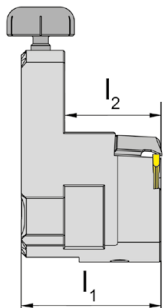
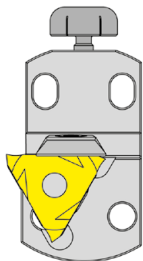
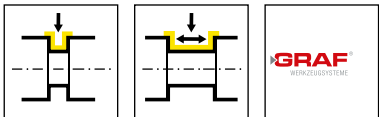
L = version à gauche
L = versione sinistra a specchio

N° de commande Codice prodotto	l ₁	l ₂	f	HWS
R.64	29	20	16	31201N • 31201R • 31201L • 31208N • 31211N
R.65	29	20	16	31202N • 31202R • 31202L
R.64.IK	40	12	16	31201N • 31201R • 31201L • 31208N • 31211N
R.65.IK	40	12	16	31202N • 31202R • 31202L
L.64	29	20	16	31201N • 31201R • 31201L • 31208N • 31211N
L.65	29	20	16	31202N • 31202R • 31202L
L.64.IK	40	12	16	31201N • 31201R • 31201L • 31208N • 31211N
L.65.IK	40	12	16	31202N • 31202R • 31202L

Pièces Détachées
Ricambi

Cartouche Graf Cartuccia Graf	Bride Staffa	Arrosage Lubrificazione
R/L....	12.3	
R/L....IK	4082.L	004.00.19

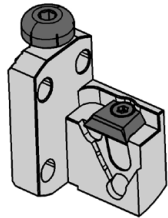
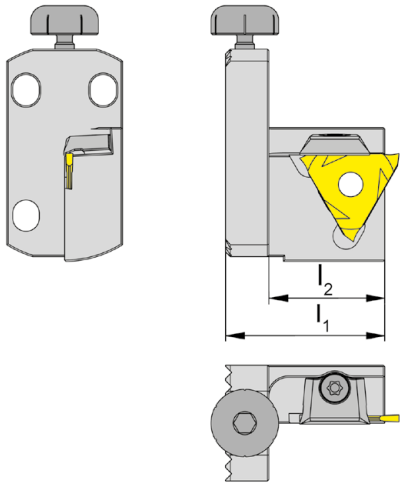
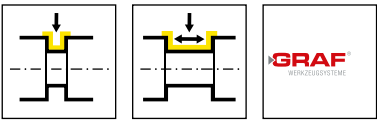
0



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	l_1	l_2	f	HWS
R.99	29	20	16	31203N • 31203R • 31203L
L.99	29	20	16	31203N • 31203R • 31203L

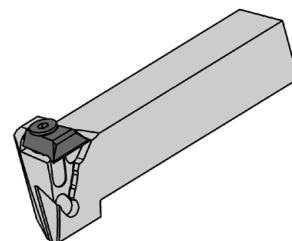
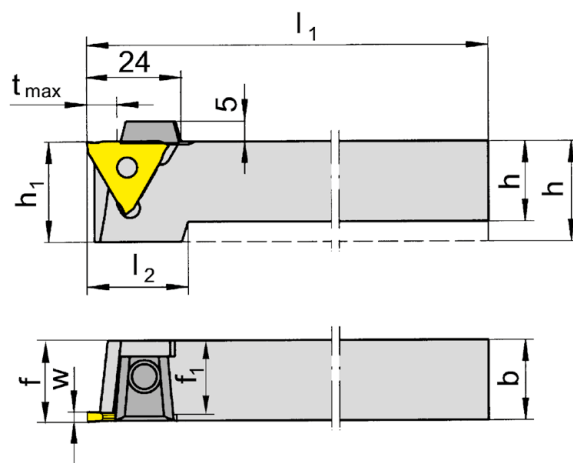
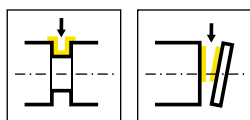


N° de commande Codice prodotto	L ₁	L ₂	HWS
N.67	33	29	31201N • 31201R • 31201L • 31208N • 31211N
N.68	33	29	31202N • 31202R • 31202L

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

N° de commande Codice prodotto	h	b	l ₁	l ₂	h ₁	f ₁	f	t _{max}	HWS
R390.2020.01	20	20	125	22	25	18,5	f ₁ +w-a ₁	8	31201N • 31201R • 31201L
R390.2525.01	25	25	150	-	25	23,5	f ₁ +w-a ₁	8	31201N • 31201R • 31201L
R390.2020.02	20	20	125	22	25	17,5	f ₁ +w-a ₁	8	31202N • 31202R • 31202L
R390.2525.02	25	25	150	-	25	22,5	f ₁ +w-a ₁	8	31202N • 31202R • 31202L
R390.3232.02	32	32	170	-	32	29,5	f ₁ +w-a ₁	8	31202N • 31202R • 31202L
R390.2020.03	20	20	125	22	25	16,5	f ₁ +w-a ₁	8	31203N • 31203R • 31203L
R390.2525.03	25	25	150	-	25	21,5	f ₁ +w-a ₁	8	31203N • 31203R • 31203L
R390.3232.03	32	32	170	-	32	28,5	f ₁ +w-a ₁	8	31203N • 31203R • 31203L
R390.2020.04	20	20	125	22	25	14,8	f ₁ +w-a ₁	8	31204N • 31204R • 31204L
R390.2525.04	25	25	150	-	25	19,8	f ₁ +w-a ₁	8	31204N • 31204R • 31204L
R390.3232.04	32	32	170	-	32	26,8	f ₁ +w-a ₁	8	31204N • 31204R • 31204L
L390.2020.01	20	20	125	22	25	18,5	f ₁ +w-a ₁	8	31201N • 31201R • 31201L
L390.2525.01	25	25	150	-	25	23,5	f ₁ +w-a ₁	8	31201N • 31201R • 31201L
L390.2020.02	20	20	125	22	25	17,5	f ₁ +w-a ₁	8	31202N • 31202R • 31202L
L390.2525.02	25	25	150	-	25	22,5	f ₁ +w-a ₁	8	31202N • 31202R • 31202L
L390.3232.02	32	32	170	-	32	29,5	f ₁ +w-a ₁	8	31202N • 31202R • 31202L
L390.2020.03	20	20	125	22	25	16,5	f ₁ +w-a ₁	8	31203N • 31203R • 31203L
L390.2525.03	25	25	150	-	25	21,5	f ₁ +w-a ₁	8	31203N • 31203R • 31203L
L390.3232.03	32	32	170	-	32	28,5	f ₁ +w-a ₁	8	31203N • 31203R • 31203L
L390.2020.04	20	20	125	22	25	14,8	f ₁ +w-a ₁	8	31204N • 31204R • 31204L
L390.2525.04	25	25	150	-	25	19,8	f ₁ +w-a ₁	8	31204N • 31204R • 31204L
L390.3232.04	32	32	170	-	32	26,8	f ₁ +w-a ₁	8	31204N • 31204R • 31204L

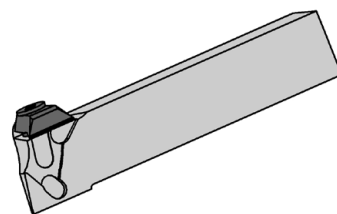
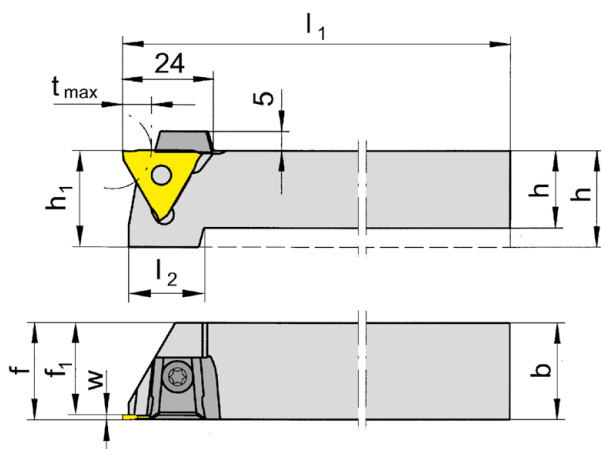
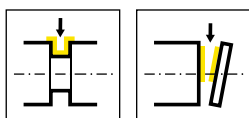
w, a1 voir plaquettes amovibles
w, a1 vd. inserti

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 Portainserito	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

N° 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

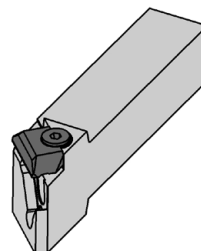
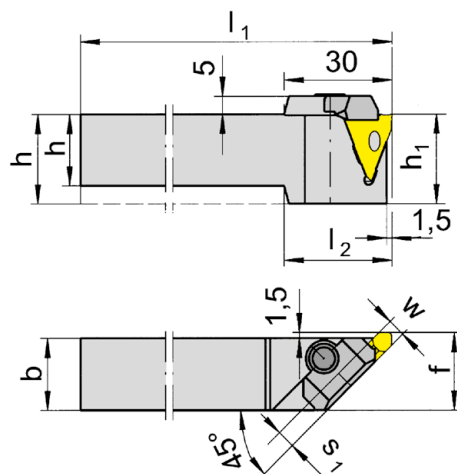
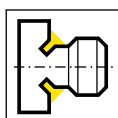
tmax ne peut être atteint seulement avec un diamètre de pièce Ø ≤ 20 mm
tmax può essere raggiunta solo lavorando pezzi Ø ≤ 20 mm

Pièces Détachées

Ricambi

Porte outils Portainsero	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	

0



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

L = version à gauche
L = versione sinistra a specchio

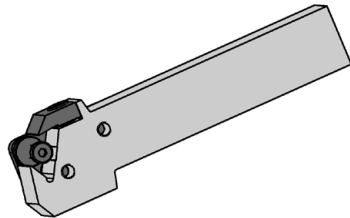
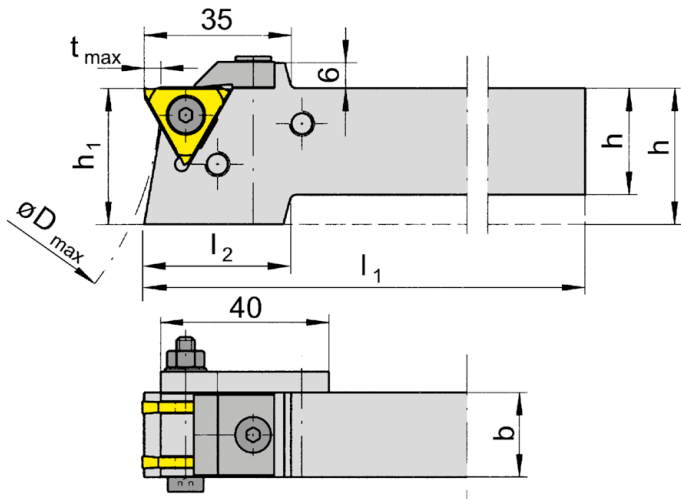
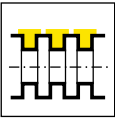
N° de commande Codice prodotto	h	b	l ₁	l ₂	h ₁	f	s ₁	HWS
R309.1616.01	16	16	125	30	25	21,5	1,5	31201N • 31201R • 31201L
R309.2020.02	20	20	125	30	25	21,5	2,5	31202N • 31202R • 31202L
R309.2525.02	25	25	150	-	25	26,5	2,5	31202N • 31202R • 31202L
R309.3232.02	32	32	170	-	32	33,5	2,5	31202N • 31202R • 31202L
R309.2020.03	20	20	125	30	25	21,5	3,5	31203N • 31203R • 31203L
R309.2525.03	25	25	150	-	25	26,5	3,5	31203N • 31203R • 31203L
R309.3232.03	32	32	170	-	32	33,5	3,5	31203N • 31203R • 31203L
R309.2020.04	20	20	125	30	25	21,5	5,2	31204N • 31204R • 31204L
R309.2525.04	25	25	150	-	25	26,5	5,2	31204N • 31204R • 31204L
R309.3232.04	32	32	170	-	32	33,5	5,2	31204N • 31204R • 31204L
L309.1616.01	16	16	125	30	25	21,5	1,5	31201N • 31201R • 31201L
L309.2020.02	20	20	125	30	25	21,5	2,5	31202N • 31202R • 31202L
L309.2525.02	25	25	150	-	25	26,5	2,5	31202N • 31202R • 31202L
L309.2020.03	20	20	125	30	25	21,5	3,5	31203N • 31203R • 31203L
L309.2525.03	25	25	150	-	25	26,5	3,5	31203N • 31203R • 31203L
L309.3232.03	32	32	170	-	32	33,5	3,5	31203N • 31203R • 31203L
L309.2020.04	20	20	125	30	25	21,5	5,2	31204N • 31204R • 31204L
L309.2525.04	25	25	150	-	25	26,5	5,2	31204N • 31204R • 31204L

w voir plaquettes amovibles
w vd. inserti

Pièces Détachées

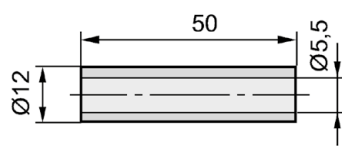
Ricambi

Porte outils Portainsero	Bride Staffa
R/L309...	21.4



N° 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

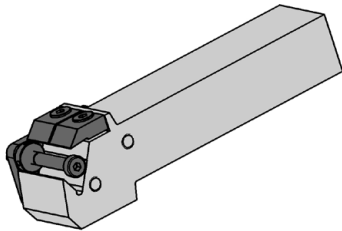
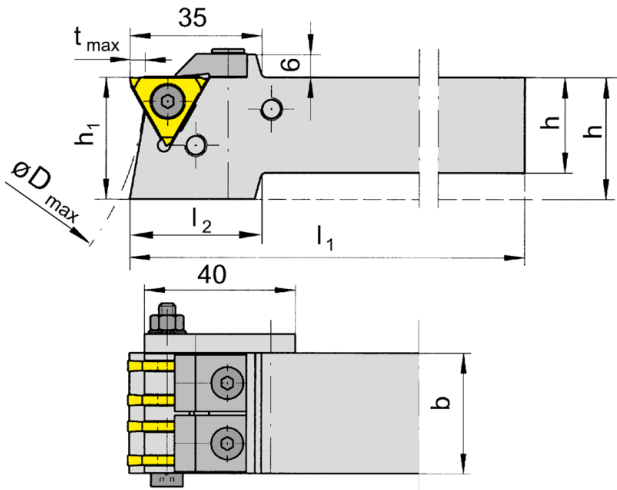
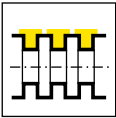
Utilisable uniquement avec les plaquettes spéciales type 312
Utilizzabile solo con inserti speciali tipo 312
Tube pour réalisation d'entretoise. Référence 340.0012.50
Distanziale. Codice prodotto 340.0012.50



Pièces Détachées
Ricambi

Porte outils Portainsero	Vis de serrage Vite di serraggio	Bride Staffa
340...	5.30.7984	340.0200

0

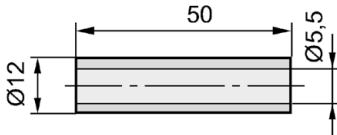


Montage à droite
Montato a destra

N° 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

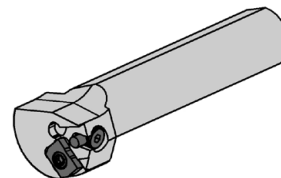
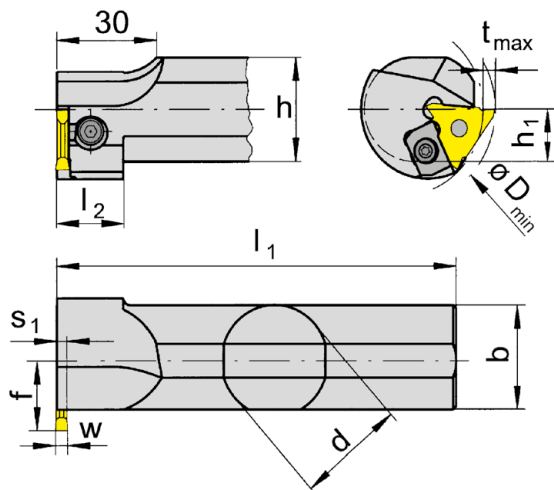
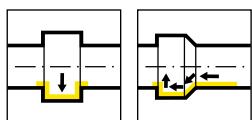
Utilisable uniquement avec les plaquettes spéciales type 312
Utilizzabile solo con inserti speciali tipo 312

Tube pour réalisation d'entretoise. Référence 340.0012.50
Distanziale. Codice prodotto 340.0012.50



Pièces Détachées
Ricambi

Porte outils Portainsero	Vis de serrage Vite di serraggio	Vis Vite	Bride Staffa
340.2532.02	6.16.7991	5.40.7984	22.16



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	d	l ₁	l ₂	h	s ₁	h ₁	f	D _{min}	b	HWS
R330.0025.K2	25	170	20	23	2,5	11,5	20	46	25	31202N • 31202R • 31202L
R330.0032.K2	32	200	20	30	2,5	15	20	46	30	31202N • 31202R • 31202L
R330.0040.K2	40	250	-	38	2,5	19	24	46	38	31202N • 31202R • 31202L
R330.0025.K3	25	170	20	23	3,5	11,5	20	46	25	31203N • 31203R • 31203L
R330.0032.K3	32	200	20	30	3,5	15	20	46	30	31203N • 31203R • 31203L
R330.0040.K3	40	250	-	38	3,5	19	24	46	38	31203N • 31203R • 31203L
R330.0025.K4	25	170	20	23	5,5	11,5	20	46	25	31204N • 31204R • 31204L
R330.0032.K4	32	200	20	30	5,5	15	20	46	30	31204N • 31204R • 31204L
R330.0040.K4	40	250	-	38	5,5	19	24	46	38	31204N • 31204R • 31204L
L330.0025.K2	25	170	20	23	2,5	11,5	20	46	25	31202N • 31202R • 31202L
L330.0032.K2	32	200	20	30	2,5	15	20	46	30	31202N • 31202R • 31202L
L330.0040.K2	40	250	-	38	2,5	19	24	46	38	31202N • 31202R • 31202L
L330.0025.K3	25	170	20	23	3,5	11,5	20	46	25	31203N • 31203R • 31203L
L330.0032.K3	32	200	20	30	3,5	15	20	46	30	31203N • 31203R • 31203L
L330.0040.K3	40	250	-	38	3,5	19	24	46	38	31203N • 31203R • 31203L
L330.0025.K4	25	170	20	23	5,5	11,5	20	46	25	31204N • 31204R • 31204L
L330.0032.K4	32	200	20	30	5,5	15	20	46	30	31204N • 31204R • 31204L
L330.0040.K4	40	250	20	38	5,5	19	24	46	38	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

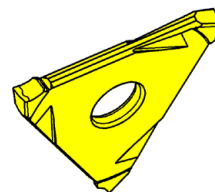
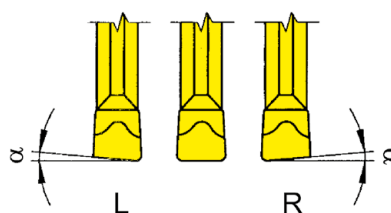
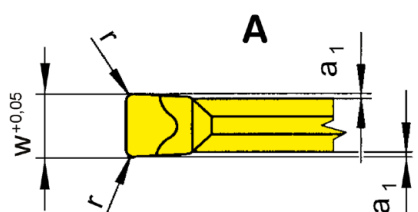
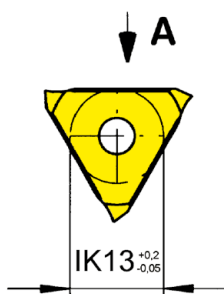
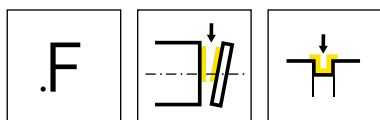
Dmin	tmax
46	2
50	3
60	4
80	4,5
100	5

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

0



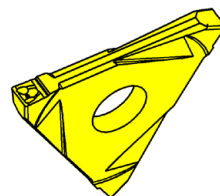
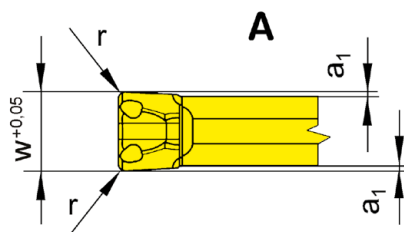
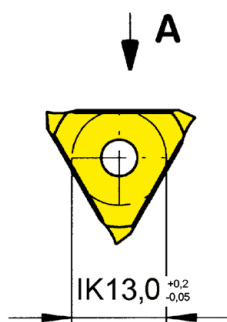
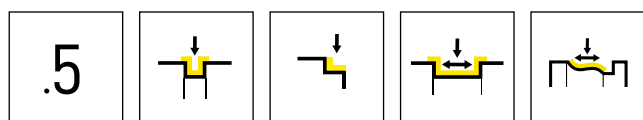
R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	w	r	α	a ₁	HIS		AL96	EG56	TC92	TF45	TF46	TI25
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	▲	Δ	Δ	▲	▲
S312.0250.F2	2,5	0,2	0°	0,25	31202N		Δ	Δ	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							-	○	-	●	○	●
K							●	○	-	●	●	●
N							●	-	-	●	●	●
S							-	-	-	●	○	●
H							-	-	-	-	-	-



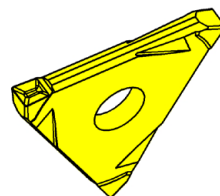
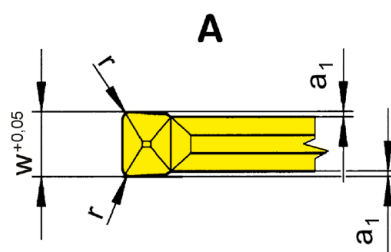
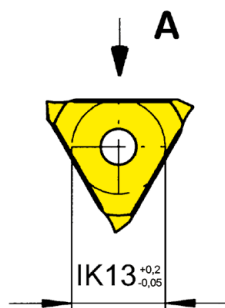
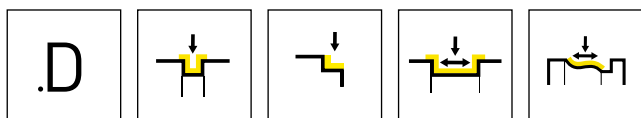
Nuance
Leghe

▲ 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	-	-	○	○	-	●	○	○	○	-	○	○	○	-	●
K	●	-	●	○	-	●	●	●	●	●	●	●	●	-	●
N	●	-	●	-	-	●	●	●	●	●	●	●	●	-	●
S	-	-	○	-	-	●	○	○	○	-	○	○	○	-	●
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

0

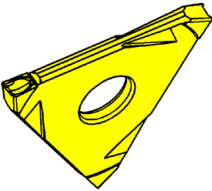
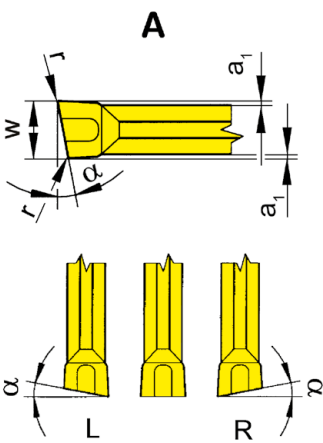
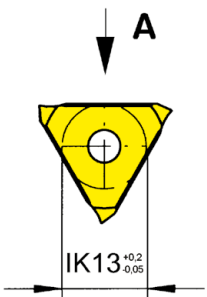
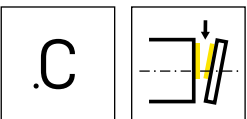


Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

N° de commande Codice prodotto	w	r	a _i	HIS	AL96	AS62	AS66	EG56	TC92	TF45	TF46	TI25	TN32
S312.0200.D2	2	0,2	0,25	31202N	Δ	▲	▲	▲	Δ	Δ	▲	▲	▲
S312.0200.D4	2	0,4	0,25	31202N	Δ	▲	▲	▲	Δ	Δ	Δ	▲	▲
S312.0250.D2	2,5	0,2	0,25	31202N	Δ	▲	▲	▲	▲	▲	▲	▲	▲
S312.0250.D4	2,5	0,4	0,25	31202N	Δ	▲	▲	▲	▲	▲	▲	▲	▲
S312.0300.D2	3	0,2	0,25	31203N	Δ	Δ	▲	▲	Δ	▲	▲	▲	▲
S312.0300.D4	3	0,4	0,25	31203N	Δ	▲	▲	▲	Δ	Δ	Δ	Δ	▲
P	●	●	●	●	●	●	●	●	●	●	●	●	●
M	-	-	○	○	-	●	○	●	-	○	●	●	-
K	●	-	●	○	-	●	○	●	-	●	●	●	-
N	●	-	●	-	-	●	●	●	-	●	●	●	-
S	-	-	○	-	-	○	-	○	-	○	○	●	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-



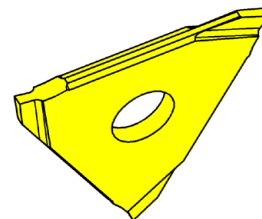
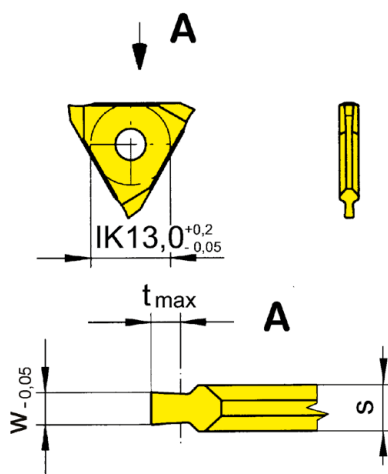
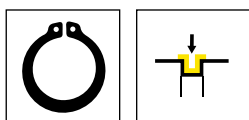
R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe
▲ en stock
a stock
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	w	r	a	a ₁	HIS	EG55	TF46	TI25
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	-	-	-					

0

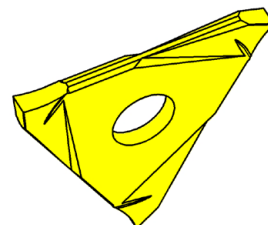
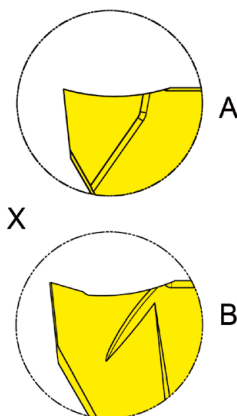
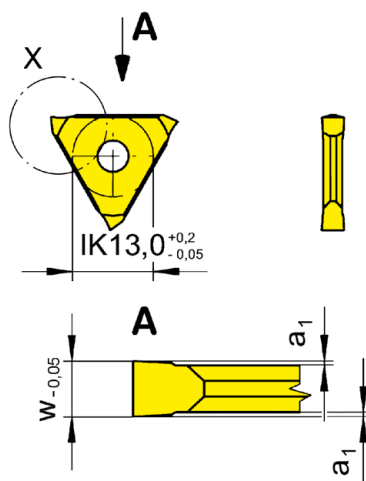
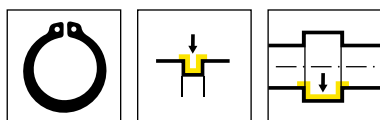


Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

N° 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	●	○						
K	○	-						
N	-	-						
S	-	-						
H	-	-						



Forme A = complètement rectifiée
Forma A = completamente affilato

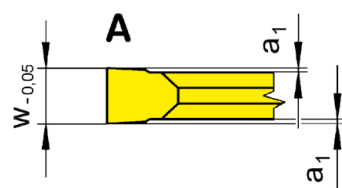
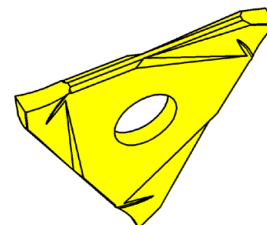
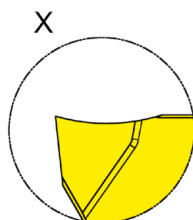
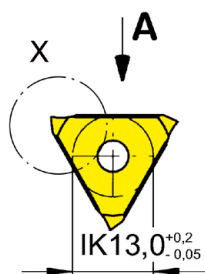
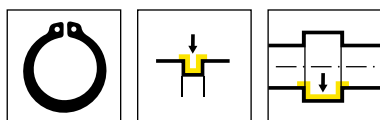
Forme B = partiellement rectifiée
Forma B = parzialmente affilato

▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	w	Nw	a ₁	Forme Forma	HIS		K10	MG12	P20	EG35	EG55	EG56	HS32	HS36	TA45	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		▲		▲		▲		Δ	Δ			▲	▲		▲	▲	
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		▲	▲	▲		▲	Δ					▲	▲	▲	▲	▲	▲
312.0215.00	2,29	2,15	0,2	B	31202N		▲	▲	▲		▲				▲		▲	▲		▲	▲	▲
312.0265.00	2,79	2,65	0,2	B	31202N		▲	▲	▲		▲				Δ		▲	▲		▲	▲	▲
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		▲		▲	▲	▲					Δ	▲	▲		▲		Δ
P	●	o	●	●	●	●	o	-	●	●	●	●	o	-	●	●	●	●	●	●	●	●
M	o	-	-	●	o	o	o	-	●	-	-	-	o	-	●	-	o	●	-	-	●	o
K	●	-	-	o	o	o	-	-	o	-	-	-	-	-	-	-	●	●	-	-	●	-
N	●	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	●	●	●	-	●	-
S	o	-	-	-	-	-	-	-	-	-	-	-	-	-	●	-	o	●	-	-	●	-
H	-	-	-	-	-	-	●	●	-	-	-	-	●	●	-	-	-	-	-	-	-	-

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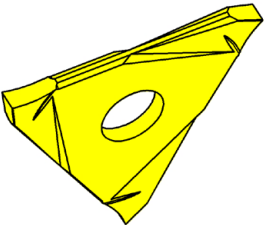
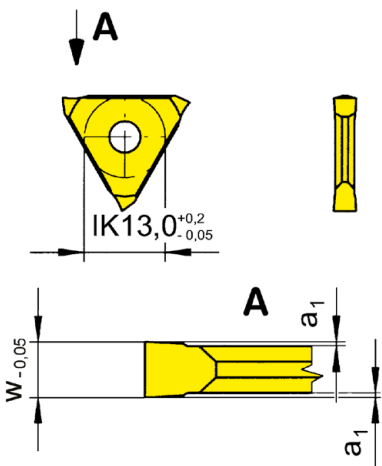
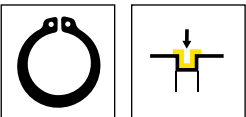


complètement rectifiée
completamente affilato

▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° 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	○	-	○	-
					K	●	-	○	-
					N	●	-	-	-
					S	○	-	-	-
					H	-	-	-	-



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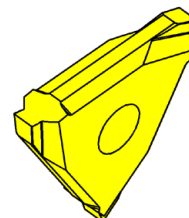
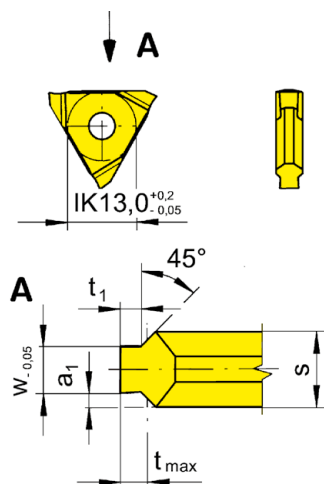
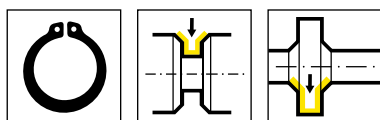
Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

N° 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	○
					K	○
					N	-
					S	-
					H	-

0

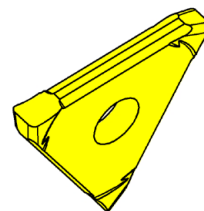
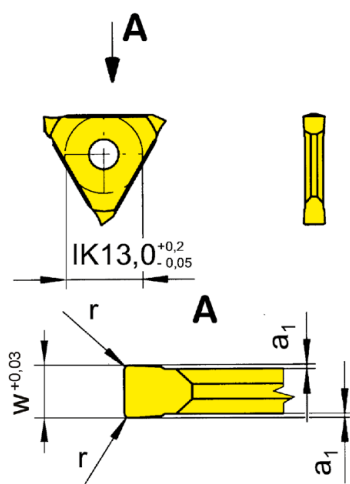
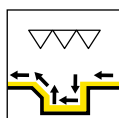


Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

N° de commande Codice prodotto	w	Nw	t _{max}	a ₁	s	t ₁	HIS		P20	EG52	TN32	TN35
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		▲	▲	▲	Δ
312.1306.25	1,44	1,3	0,55	0,54	2,5	0,45	31202N		Δ	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		Δ	▲	▲	
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		Δ	▲	▲	
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		Δ	▲	▲	
312.2617.43	2,79	2,65	1,75	0,77	4,3	1,6	31204N		Δ	▲	▲	
312.3118.53	3,29	3,15	1,75	1,02	5,3	1,6	31204N		Δ	▲	▲	
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	-	-	-	-	-	-						



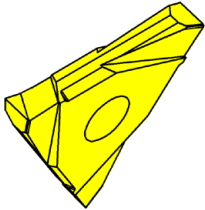
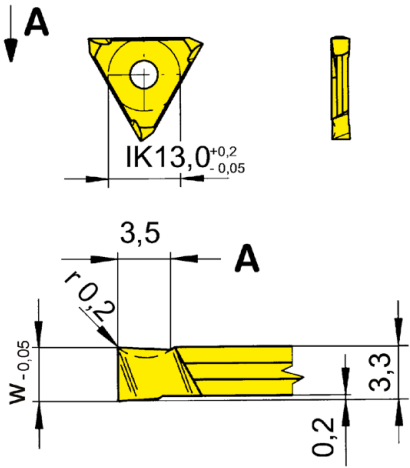
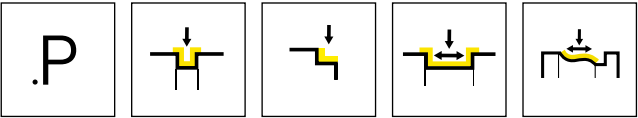
Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

N° de commande Codice prodotto	w	r	a ₁	HIS		K10	P20	AS62	EG52	TF45	T122	T125	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	○	-	-	○	●	-	-	○	●	-	●	-	●	○	○
K	●	-	-	-	●	-	-	-	●	-	●	-	●	●	-
N	●	-	-	-	●	-	-	-	●	-	●	-	●	●	-
S	○	-	-	-	●	-	-	-	●	-	●	-	●	●	-
H	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

0



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

R = version à droite
R = versione destra a specchio

▲ en stock
a stock

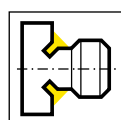
Δ 4 semaines
4 settimane

Nuance
Leghe

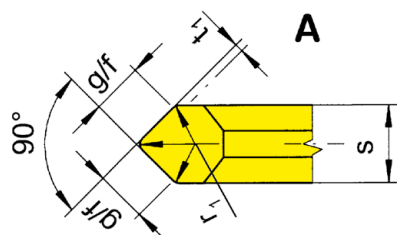
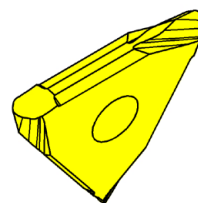
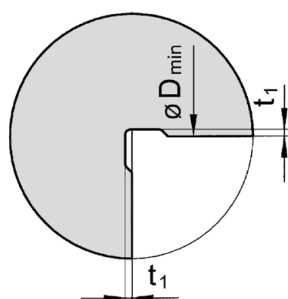
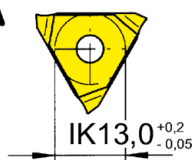
N° de commande Codice prodotto	w	HIS	P20	EG52	TC92	TN32
R312.3031.33	3,29	31203N	▲	▲	▲	▲
L312.3031.33	3,29	31203N	Δ	Δ	Δ	Δ

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 rompitrucciolo consente una riduzione degli sforzi di taglio.

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



A



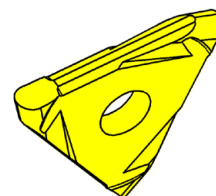
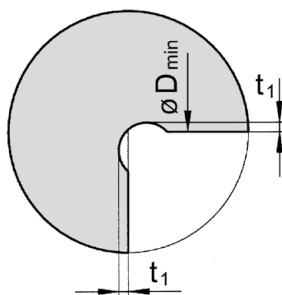
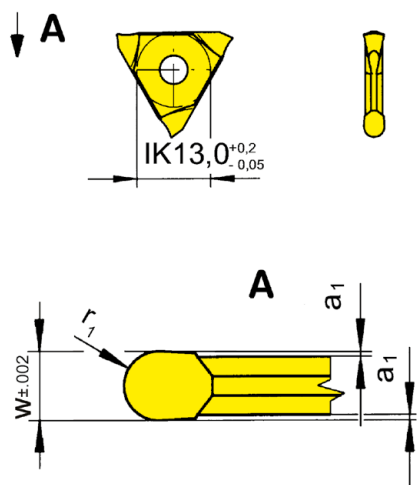
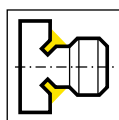
Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

N° de commande Codice prodotto	D _{min}	t ₁	s	g/f	r ₁	HIS		P20	AS62	EG52	TC92
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	Δ	Δ	Δ
							P	●	●	●	●
							M	-	-	o	-
							K	-	-	-	-
							N	-	-	-	-
							S	-	-	-	-
							H	-	-	-	-

0

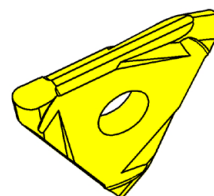
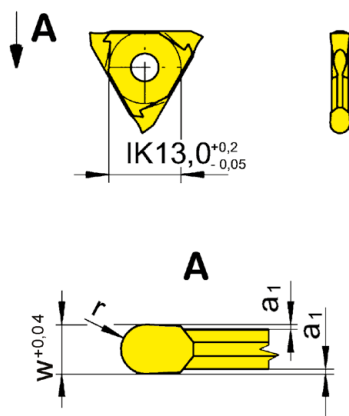
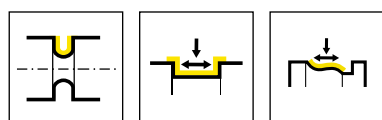


Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

N° de commande Codice prodotto	w	a ₁	r ₁	D _{min}	t ₁	HIS		K10	P20	EG52	TC92	TF45	TN32	TN35
312.0010.20	2	0,2	1	22	0,7	31202N		▲	▲	▲	▲	Δ	▲	▲
312.0015.30	3	0,2	1,5	27	1	31202N		▲	▲	▲	▲		▲	
312.0020.40	4	0,2	2	30	1,2	31204N		▲	▲	▲	▲		▲	
312.0025.50	5	0,2	2,5	35	1,5	31204N			▲	▲	Δ		▲	
P	●	●	●	●	●	●		●	●	●	●	●	●	●
M	○	-	○	-	●	-		○	-	○	-	●	-	●
K	●	-	-	-	-	-		●	-	-	-	●	-	●
N	●	-	-	-	-	-		●	-	-	-	●	-	●
S	○	-	-	-	-	-		○	-	-	-	●	-	●
H	-	-	-	-	-	-		-	-	-	-	-	-	-



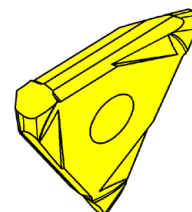
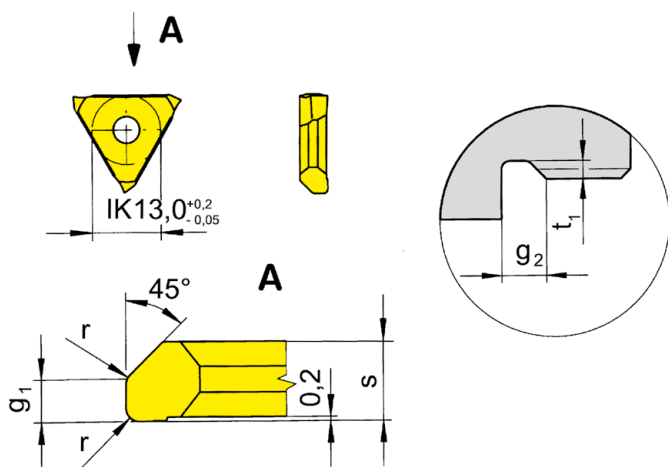
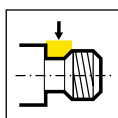
Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

N° de commande Codice prodotto	w	a ₁	r	HIS	P20	AS45	EG35	EG55	TF45	TH35	TI25	TN32	TN35
312.0050.02	0,5	0,07	0,25	31201N	▲	▲	▲					▲	
312.0100.05	1	0,09	0,5	31201N	▲	▲	▲			Δ		▲	Δ
312.0110.05	1,1	0,09	0,55	31201N		▲		Δ					
312.0120.06	1,2	0,2	0,6	31201N	▲	▲		▲				▲	
312.0140.07	1,4	0,2	0,7	31201N		▲		▲					
312.0160.08	1,6	0,25	0,8	31201N	▲	▲		▲				▲	
312.0180.09	1,8	0,25	0,9	31201N		▲		▲					
312.0200.10	2	0,25	1	31201N	▲	▲		▲	Δ		Δ	▲	
312.0220.11	2,2	0,25	1,1	31202N		▲		▲					
312.0250.12	2,5	0,25	1,25	31202N	▲	▲		Δ				▲	
312.0280.14	2,8	0,25	1,4	31202N		▲		Δ					
312.0300.15	3	0,25	1,5	31202N	▲	▲		▲				▲	
312.0360.18	3,6	0,25	1,8	31203N		▲		Δ					
312.0400.20	4	0,25	2	31203N	▲	▲		Δ				▲	
Largeur de gorge supérieur à 1,6 mm uniquement recommandé pour de la gorge					P	●	●	●	●	●	●	●	●
Larghezza gola fino a 1,6 mm consigliata solo in esecuzione gola					M	-	●	●	○	●	●	-	●
					K	-	●	○	○	●	●	-	●
					N	-	○	-	-	●	●	-	●
					S	-	●	-	-	●	●	-	●
					H	-	-	-	-	-	-	-	-

0



Nuance
Leghe

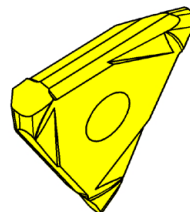
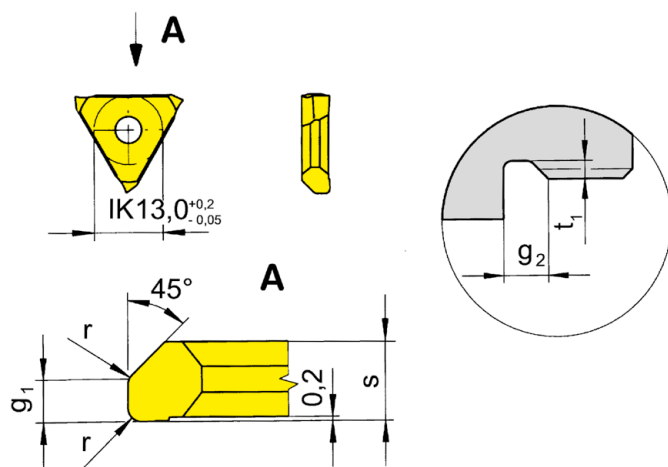
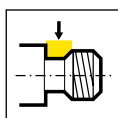
R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Δ 4 semaines
4 settimane

N° 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	Δ
P	●	●	●							
M	-	○	●							
K	-	○	●							
N	-	-	●							
S	-	-	●							
H	-	-	-							



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

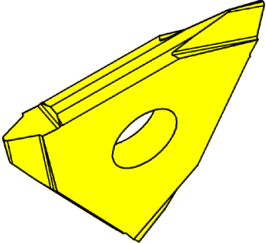
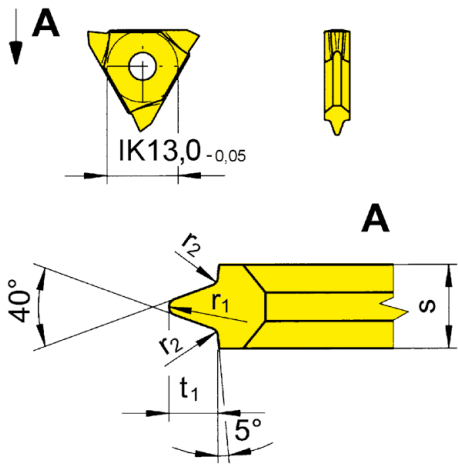
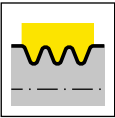
L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	P	r	t ₁	s	g ₁	g ₂	HIS	P20	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	Δ		▲
R312.3070.27	0,7	0,4	0,55	2,7	1,55	2,1	31202N • 31202R	Δ		Δ
R312.3080.27	0,8	0,4	0,65	2,7	1,75	2,4	31202N • 31202R	Δ	Δ	Δ
R312.3100.37	1	0,6	0,8	3,7	2,2	3	31203N • 31203R	Δ	▲	▲
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	1,15	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	Δ
L312.3060.27	0,6	0,4	0,5	2,7	1,3	1,8	31202N • 31202L	Δ	▲	Δ
L312.3070.27	0,7	0,4	0,55	2,7	1,55	2,1	31202N • 31202L	Δ	Δ	Δ
L312.3080.27	0,8	0,4	0,65	2,7	1,75	2,4	31202N • 31202L	Δ	Δ	Δ
L312.3100.37	1	0,6	0,8	3,7	2,2	3	31203N • 31203L	Δ	Δ	Δ
L312.3125.53	1,25	0,6	1	5,3	2,8	3,8	31204N • 31204L	Δ	Δ	Δ
L312.3150.53	1,5	0,8	1,15	5,3	3,35	4,5	31204N • 31204L	Δ		Δ
L312.3175.56	1,75	1	1,3	5,6	4	5,3	31204N • 31204L	Δ	Δ	Δ
L312.3200.63	2	1	1,5	6,3	4,5	6	31204N • 31204L	Δ	Δ	Δ
P	●	●	●							
M	-	○	●							
K	-	○	●							
N	-	-	●							
S	-	-	●							
H	-	-	-							

0



▲ en stock
a stock

Δ 4 semaines
4 settimane

Nuance
Leghe

N° 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	▲	▲	▲

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

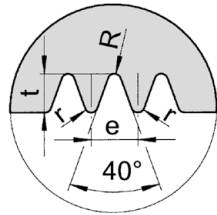
Forme de gorge:

Gorges poly V profil „J”

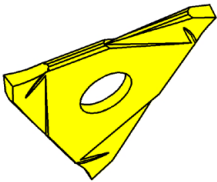
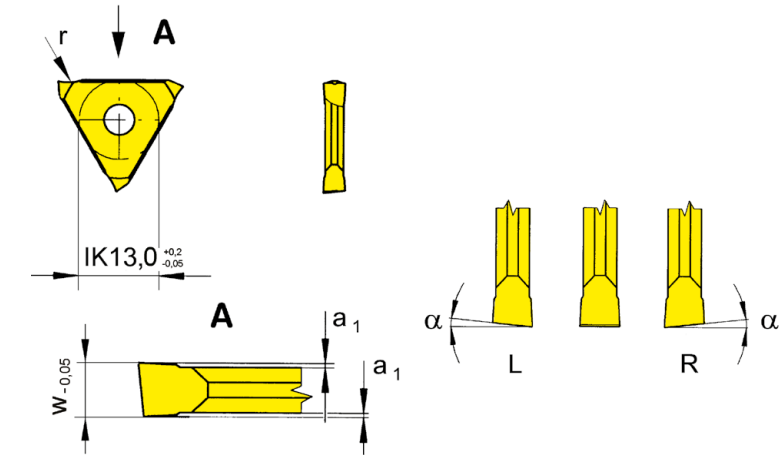
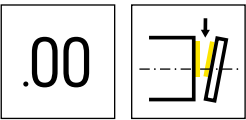
Forma della gola:

Forma gola Poly-V profilo „J”

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



e	t		R		r
±0,25	max	min	max	min	
2,34	2,34	2,08	0,38	0,25	0,2



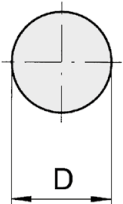
R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe
▲ en stock
a stock
Δ 4 semaines
4 settimane

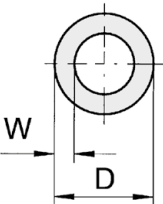
N° de commande Codice prodotto	w	α	a ₁	HIS		EG35	TF45	TF46	TI25	TN35
R312.0614.00	1,44	6°	0,2	31201N		▲	▲	▲	▲	▲
L312.0614.00	1,44	6°	0,2	31201N		▲	▲	Δ	▲	▲
P	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●
N	-	●	●	●	●	●	●	●	●	●
S	-	●	●	●	●	●	●	●	●	●
H	-	-	-	-	-	-	-	-	-	-

Tronçonnage de barre
Troncatura di barre piene



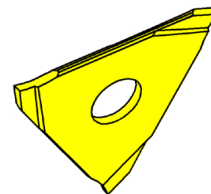
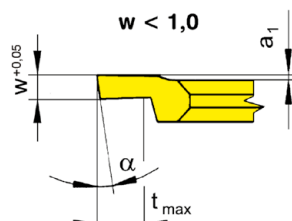
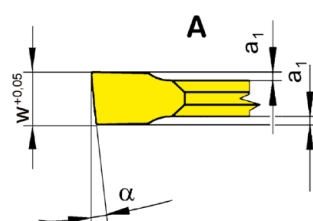
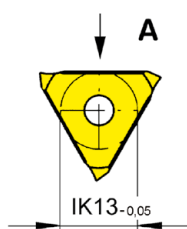
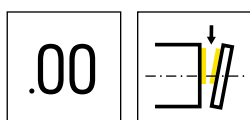
D jusqu'à/fino a 11 mm

Tronçonnage de tube
Troncatura di tubi



D ≥ 50 jusqu'à/fino a W ≈ 5 mm
D ≤ 50 jusqu'à/fino a W ≈ 4 mm

0



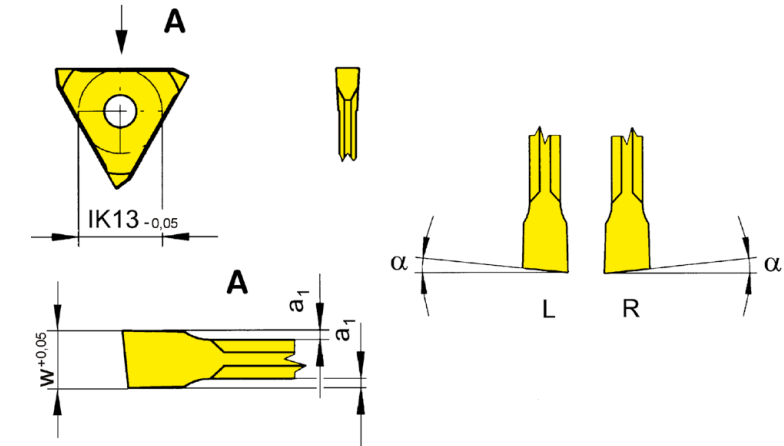
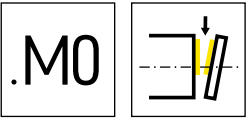
R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	w	t _{max}	α	a ₁	HIS	EG35	TF45	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	▲	▲	Δ	▲
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	▲	▲	Δ	▲
L312.0512.00	1,2	8	5°	0,2	31208N	▲	▲		
L312.0515.00	1,5	8	5°	0,2	31211N	▲	▲		
P	•	•	•	•		•	•	•	•
M	•	•	•	•		•	•	•	•
K	•	•	•	•		•	•	•	•
N	-	•	•	•		•	•	•	•
S	-	•	•	•		•	•	•	•
H	-	-	-	-		-	-	-	-



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

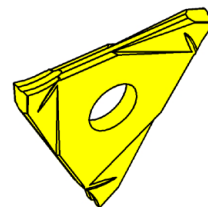
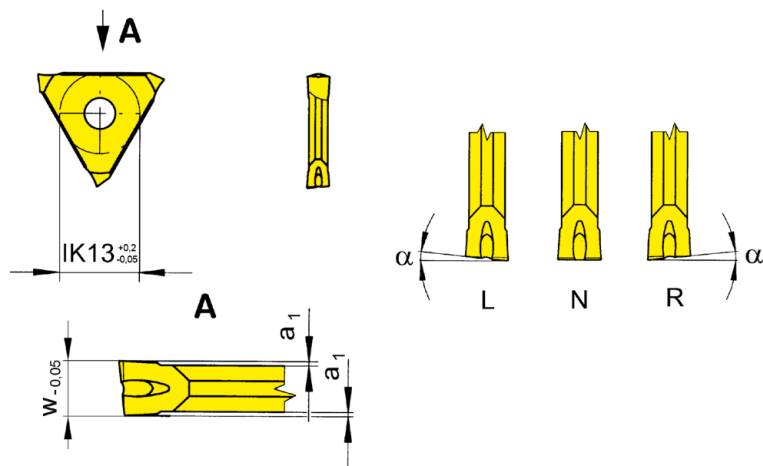
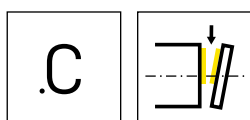
L = version à gauche
L = versione sinistra a specchio

▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	w	t _{max}	α	a ₁	HIS		K10	EG35	TF45
R312.0512.M0	1,2	8	5°	0,2	31208N		Δ	▲	▲
R312.0515.M0	1,5	8	5°	0,2	31211N		▲	▲	▲
L312.0512.M0	1,2	8	5°	0,2	31208N		Δ		▲
L312.0515.M0	1,5	8	5°	0,2	31211N		Δ	Δ	▲
						P	●	●	●
						M	○	●	●
						K	●	○	●
						N	●	-	●
						S	○	-	●
						H	-	-	-

0



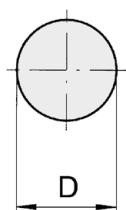
R = version à droite représentée
R = versione destra come in figura

L = version à gauche
L = versione sinistra a specchio

Nuance
Leghe
▲ en stock
a stock
Δ 4 semaines
4 settimane

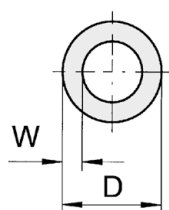
N° de commande Codice prodotto	w	α	a ₁	HIS	MG12	P20	EG55	TC92	TF45	TN32	TN35
R312.0514.00	1,44	5°	0,2	31201N • 31202N • 31201R • 31202R		Δ	Δ		▲		
R312.0518.00	1,99	5°	0,2	31202N • 31202R		▲	▲	Δ		▲	▲
R312.0521.00	2,29	5°	0,2	31202N • 31202R	Δ	Δ	▲	Δ		▲	▲
L312.0514.00	1,44	5°	0,2	31201N • 31202N • 31201R • 31202R		Δ	Δ		Δ		
L312.0518.00	1,99	5°	0,2	31202N • 31202R		▲	▲	Δ		▲	▲
L312.0521.00	2,29	5°	0,2	31202N • 31202R	Δ	▲	Δ	Δ		▲	▲
N312.0014.00	1,44	0°	0,2	31202N			▲	Δ	▲		
N312.0018.00	1,99	0°	0,2	31202N			▲	Δ	▲	Δ	Δ
N312.0021.00	2,29	0°	0,2	31202N		Δ		Δ			▲
P	o	•	•	•	•	•	•	•	•	•	•
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