

M311



**Fraise pour rainure
en „T“ avec plaquette
interchangeable**

de Diamètre de coupe 17 mm

**Fresatura di cave
a „T“ con inserti
intercambiabili**

da Diametro 17 mm

J

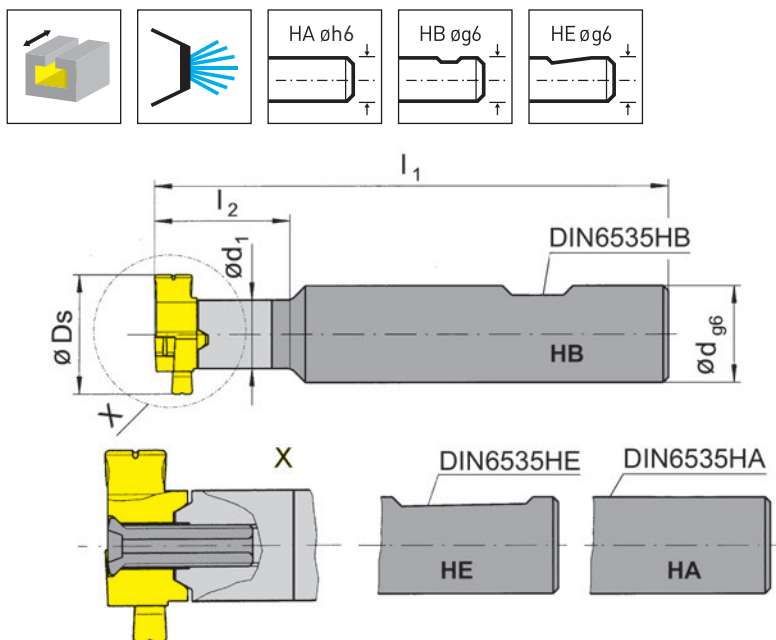


Illustration de coupe à droite représentée
Figura = taglio destro

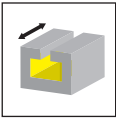
Número de commande Codice prodotto	d	l ₁	l ₂	d ₁	Forme Forma	HWS
M311.0016.00A	16	90	25	9	HA	311090R
M311.0016.00B	16	90	25	9	HB	311090R
M311.0016.00E	16	90	25	9	HE	311090R

Ds voir plaquettes
Ds vd. inserti

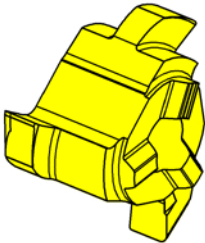
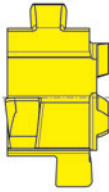
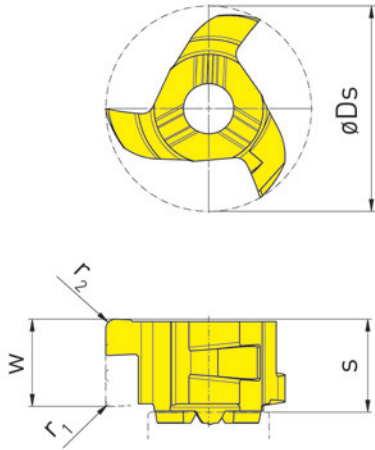
Pièces Détachées

Ricambi

Corps de fraise Corpo fresa	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
M311...	4.16T15KP	T15PQ



z1

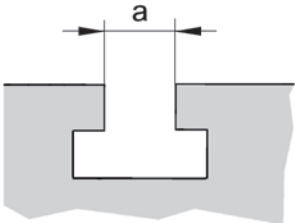


Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Ds	Z	s	w	r ₁	r ₂	a	HIS	RC45
311.1016.1.00	17	1	7,7	7,2	0,5	0,8	10	311090R	▲
Rainure en T DIN 650 Cava T DIN 650									P ●
									M ●
									K ●
									N -
									S -
									H -



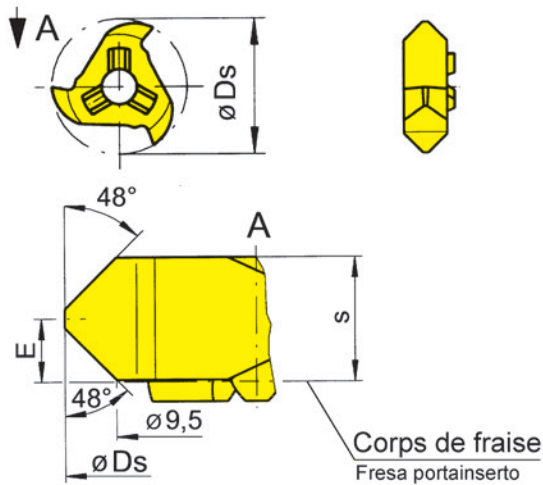
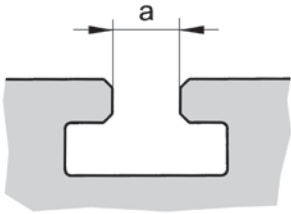


Illustration de coupe à droite représentée
Figura = taglio destro

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

Numéro de commande Codice prodotto	Ds	E	s	a	HIS	Ti25
311.4216.00	15,8	3	5,95	10	311090R	▲

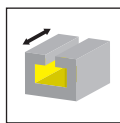
Rainure en T DIN 650
Cava T DIN 650



P	●
M	●
K	●
N	●
S	●
H	-

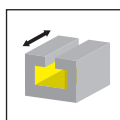


Corps de fraise
Corpo fresa
M313



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Plaquette de coupe
Inserto
313



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M313



**Fraise pour rainure
en „T“ avec plaquette
interchangeable**

de Diamètre de coupe 20 mm

**Fresatura di cave
a „T“ con inserti
intercambiabili**

da Diametro 20 mm

J

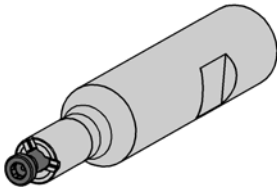
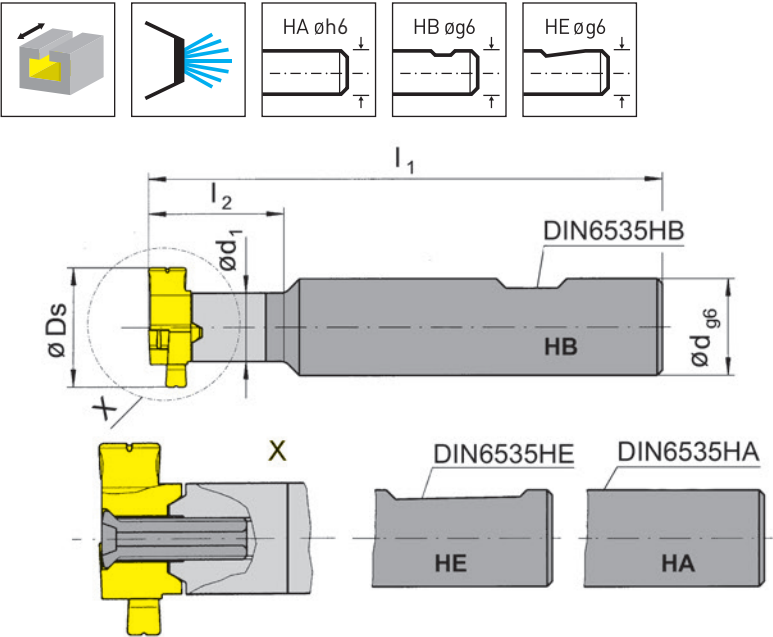


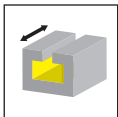
Illustration de coupe à droite représentée
Figura = taglio destro

Número de commande Codice prodotto	d	l ₁	l ₂	d ₁	Forme Forma	HWS
M313.0016.00A	16	93	30	11,5	HA	313113R • 313113L
M313.0016.00B	16	93	30	11,5	HB	313113R • 313113L
M313.0016.00E	16	93	30	11,5	HE	313113R • 313113L

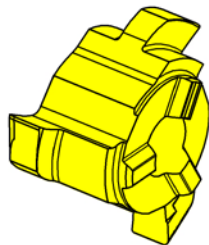
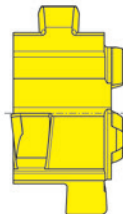
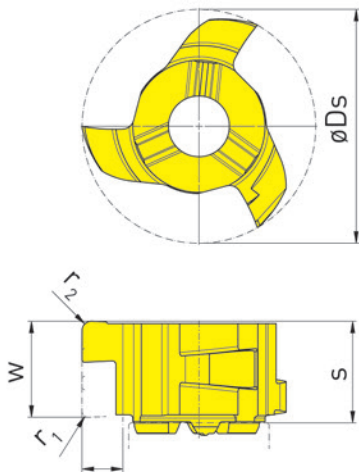
Ds voir plaquettes
Ds vd. inserti

Pièces Détachées
Ricambi

Corps de fraise Corpo fresa	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
M313...	5.13T20KP	T20PQ



z1



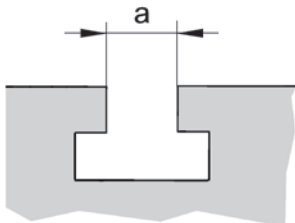
Nuance
Leghe

▲ en stock
a stock

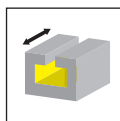
Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Ds	Z	s	w	r ₁	r ₂	a	HIS	RC45
313.1219.1.00	20	1	8,7	8,2	0,5	0,8	12	313113R	▲
									P ●
									M ●
									K ●
									N -
									S -
									H -

Rainure en T DIN 650
Cava T DIN 650

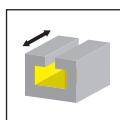


Corps de fraise
Corpo fresa
M328



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Plaquette de coupe
Inserto
328

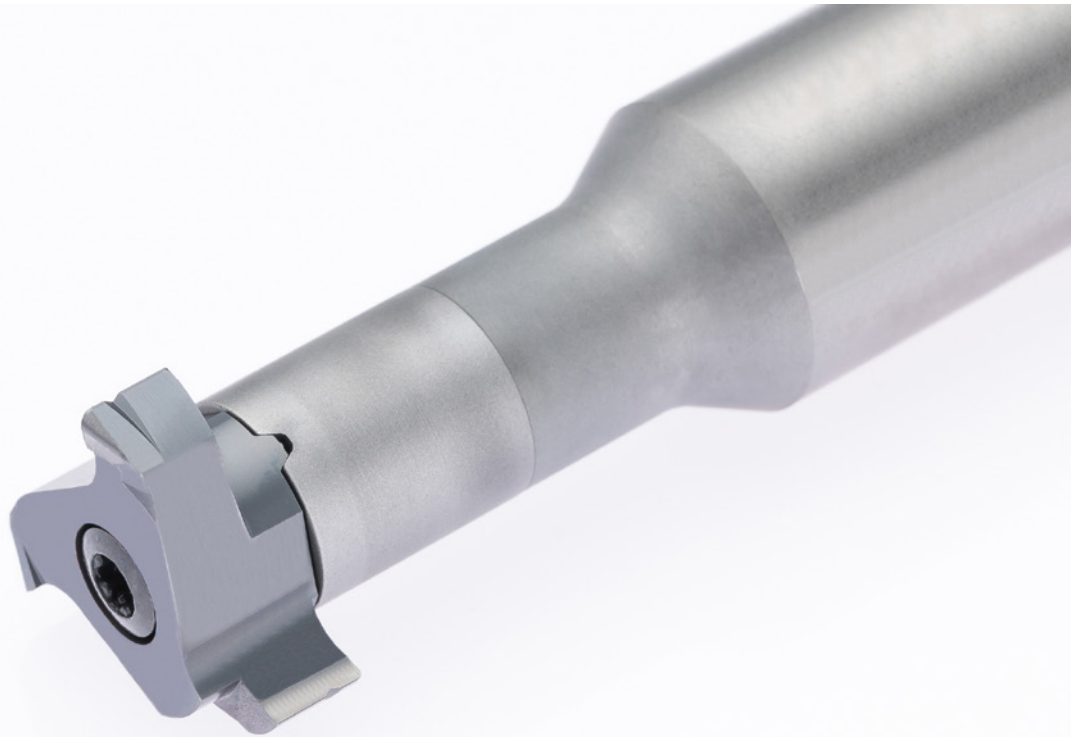


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Informations techniques
Informazioni tecniche

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M328



**Fraise pour rainure
en „T“ avec plaquette
interchangeable**

de Diamètre de coupe Ø 24 mm

**Fresatura di cave
a „T“ con inserti
intercambiabili**

da Diametro Ø 24 mm

J

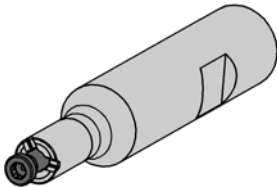
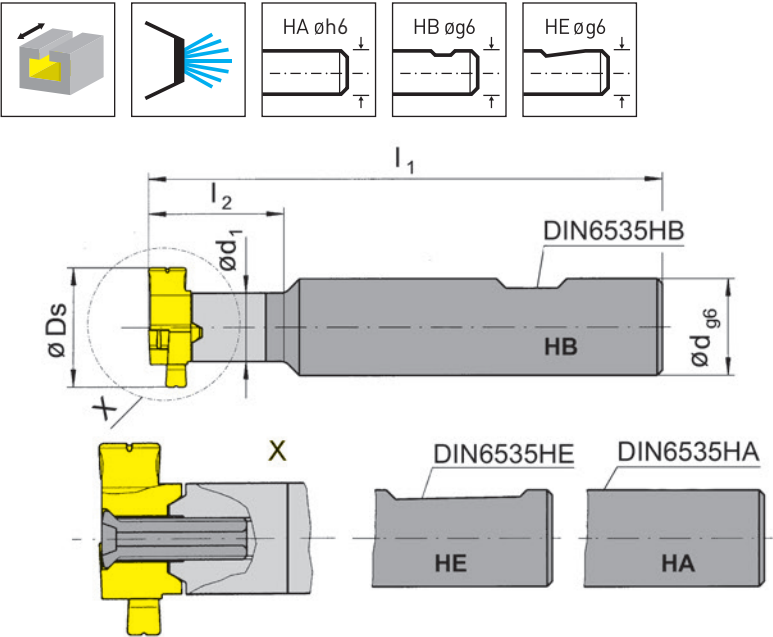


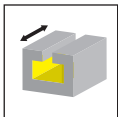
Illustration de coupe à droite représentée
Figura = taglio destro

Número de commande Codice prodotto	d	l ₁	l ₂	d ₁	Forme Forma	HWS
M328.0020.00A	20	104	35	13,5	HA	328143R
M328.0020.00B	20	104	35	13,5	HB	328143R
M328.0020.00E	20	104	35	13,5	HE	328143R

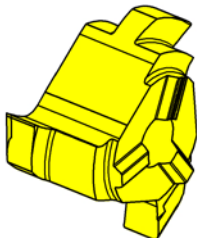
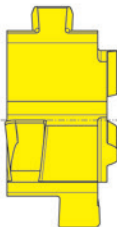
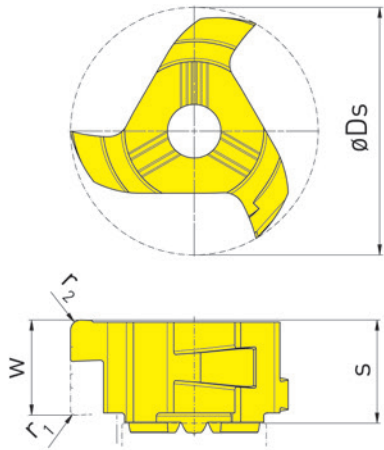
Ds voir plaquettes
Ds vd. inserti

Pièces Détachées
Ricambi

Corps de fraise Corpo fresa	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
M328...	5.13T20KP	T20PQ



z1



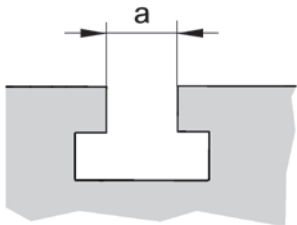
Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Numéro de commande Codice prodotto	Ds	Z	s	w	r ₁	r ₂	a	HIS	RC45
328.1423.1.00	24	1	10	9,2	0,5	1	14	328143R	▲

Rainure en T DIN 650
Cava T DIN 650

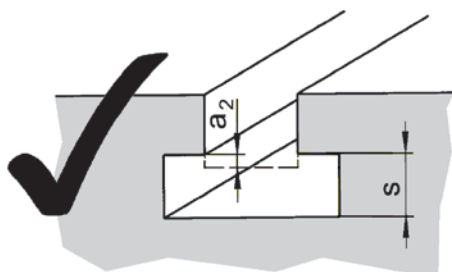


P	●
M	●
K	●
N	-
S	-
H	-

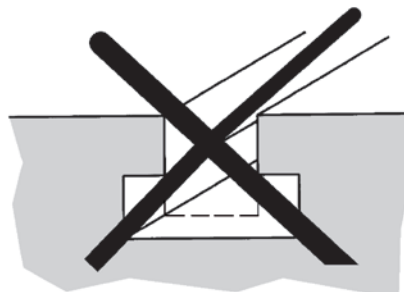
Applications Technologiques

Nozioni tecniche

$$a_2 \approx 0,2 \times s$$



usinage préconisé
impiego consigliato



non recommandé
impiego sconsigliato

Conditions de coupe

Parametri di taglio

Fraisage de rainure en „T“

Fresatura di cava a „T“

Matières usinées Materiale di lavorare	Matières de coupe Leghe dei taglienti	v_c (m/min)	f_z (mm), Z=1 Ds 17 mm	f_z (mm), Z=1 Ds 20-24 mm
Acier au carbone Acciai al carbonio	TI25 / AS45	200 - 300	0,03 - 0,06	0,05 - 0,08
Acier allié Acciai legati	TI25 / AS45	140 - 220	0,02 - 0,04	0,03 - 0,05
Fonte grise Ghise	TI25 / AS45	100 - 160	0,03 - 0,06	0,05 - 0,10

Chanfreinage de rainure en „T“

Esecuzione smussi cave a „T“

Matières usinées Materiale di lavorare	Matières de coupe Leghe dei taglienti	v_c (m/min)	f_z (mm), Z=3
Acier au carbone Acciai al carbonio	TI25 / AS45	300 - 400	0,10 - 0,13
Acier allié Acciai legati	TI25 / AS45	180 - 300	0,13 - 0,21
Fonte grise Ghise	TI25 / AS45	140 - 240	0,16 - 0,27

Paramètres de coupe seulement valables avec corps carbure antivibratoire (standard).

I dati di taglio sono validi unicamente per l'utilizzo dei nostri portainseri con gambo in metallo duro anti-vibrante.