

M328



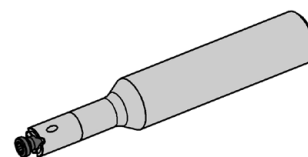
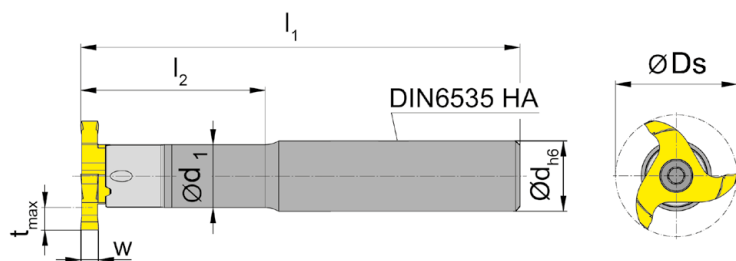
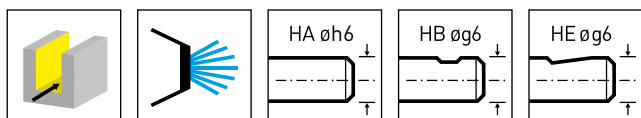
**Corps de fraise avec
plaquette interchangeable**

Ø Alésage à partir de 28 mm

**Corpo fresa a inserti
intercambiabili**

Foro-Ø da 28 mm

B



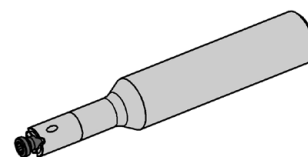
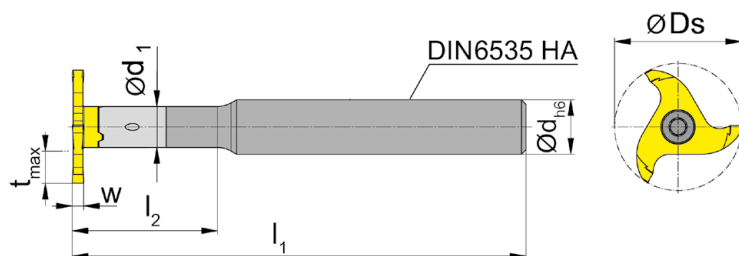
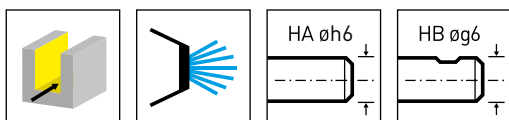
N° de commande Codice prodotto	d	l ₁	l ₂	d ₁	Forme Forma	HWS
M328.0016.01A	16	100	42	14,3	A	328143R
M328.0016.02A	16	130	60	14,3	A	328143R
M328.0016.03A	16	160	85	14,3	A	328143R
M328.0020.01A	20	100	42	14,3	A	328143R
M328.0020.02A	20	130	60	14,3	A	328143R
M328.0020.03A	20	160	85	14,3	A	328143R
M328.0016.01B	16	100	42	14,3	B	328143R
M328.0016.02B	16	130	60	14,3	B	328143R
M328.0016.03B	16	160	85	14,3	B	328143R
M328.0020.01B	20	100	42	14,3	B	328143R
M328.0020.02B	20	130	60	14,3	B	328143R
M328.0020.03B	20	160	85	14,3	B	328143R
M328.0016.01E	16	100	42	14,3	E	328143R
M328.0016.02E	16	130	60	14,3	E	328143R
M328.0016.03E	16	160	85	14,3	E	328143R
M328.0020.01E	20	100	42	14,3	E	328143R
M328.0020.02E	20	130	60	14,3	E	328143R
M328.0020.03E	20	160	85	14,3	E	328143R

w, Ds, tmax voir plaquettes
w, Ds, tmax vd. Inserti

Pièces Détachées

Ricambi

Corps de fraise Corpo fresa	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
M328...	5.14T20P	T20PQ



N° de commande Codice prodotto	d	l ₁	l ₂	d ₁	Forme Forma	HWS
M328.0909.01A	9	114,3	-	9	A	328114R
M328.0912.01A	12	100	32	9	A	328114R
M328.0912.01B	12	100	32	9	B	328114R

w, Ds, tmax voir plaquettes

w, Ds, tmax vd. Inserti

M328.0909.01A = sans arrosage

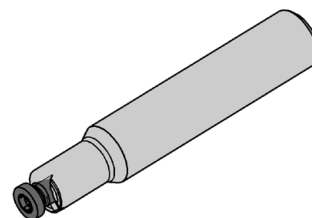
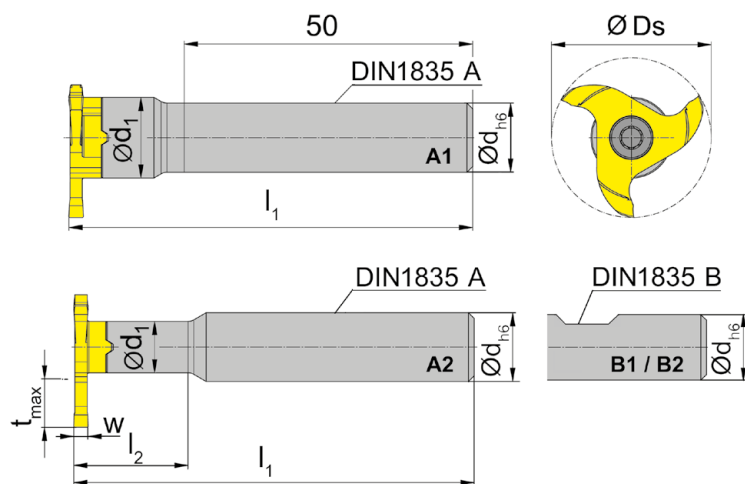
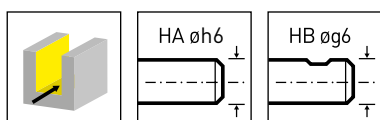
M328.0909.01A = senza lubrificazione

Pièces Détachées

Ricambi

Corps de fraise Corpo fresa	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
M328...	5.14T20P	T20PQ

B



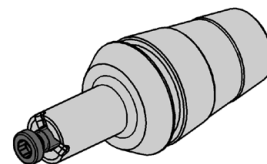
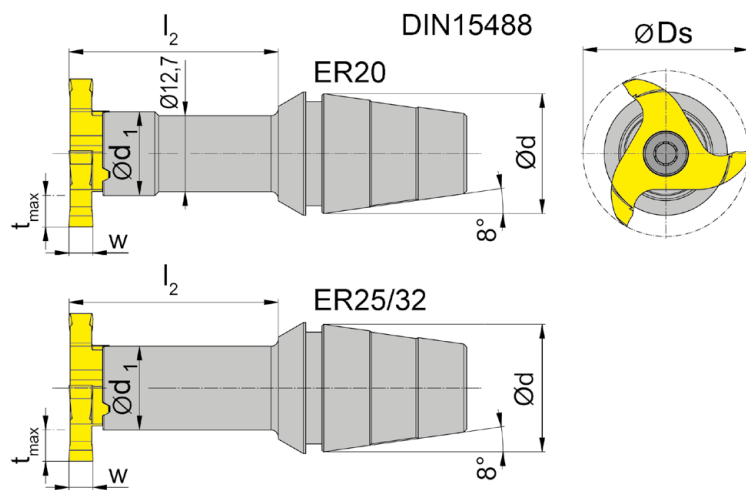
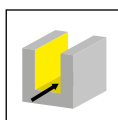
N° de commande Codice prodotto	d	l ₁	l ₂	d ₁	Forme Forma	HWS
M328.ST12.01A	12	70	-	14	A1	328143R
M328.ST13.01A	13	70	-	14	A1	328143R
M328.ST12.2.01A	12	70	20	9	A2	328114R
M328.ST16.01A	16	90	36	14	A2	328143R
M328.ST20.01A	20	100	36	14	A2	328143R
M328.ST12.01B	12	70	-	14	B1	328143R
M328.ST12.2.01B	12	70	20	9	B2	328114R
M328.ST16.01B	16	90	36	14	B2	328143R
M328.ST20.01B	20	100	36	14	B2	328143R

w, Ds, tmax voir plaquettes
w, Ds, tmax vd. Inserti

Pièces Détachées

Ricambi

Corps de fraise Corpo fresa	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
M328...	5.14T20P	T20PQ



N° de commande Codice prodotto	d	l ₂	d ₁	Bague de serrage Ghiera di bloccaggio	HWS
M328.ER20.02	20	35	14	ER20.6499/ERM20.6499	328114R
M328.ER25.02	25	35	14	ER25.6499	328114R
M328.ER32.02	32	35	14	ER32.6499	328114R

w, Ds, tmax voir plaquettes

w, Ds, tmax vd. Inserti

L'écrou de serrage est vendu séparément!

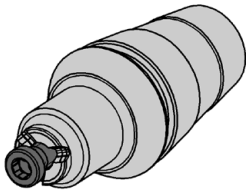
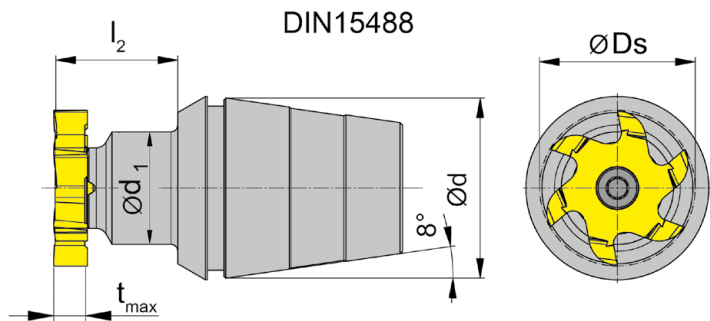
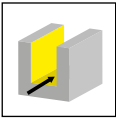
La ghiera di bloccaggio non è compresa con la fresa - deve essere ordinata separatamente

Pièces Détachées

Ricambi

Corps de fraise Corpo fresa	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
M328...	5.14T20P	T20PQ

B



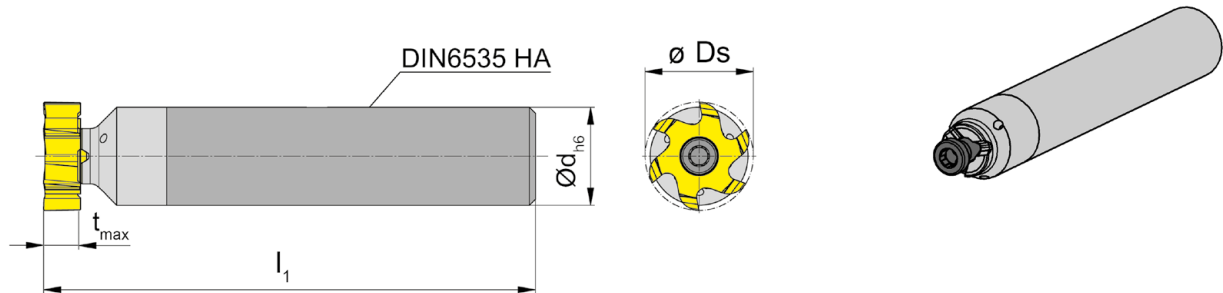
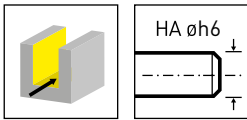
N° de commande Codice prodotto	d	l ₂	d ₁	Bague de serrage Ghiera di bloccaggio	HWS
M328.ER25.16.01	25	21,7	15	ER25.6499	328114R
M328.ER32.16.01	32	21,7	20	ER32.6499	328114R

tmax et Ds voir plaquettes
tmax e Ds vd. inserti

L'écrou de serrage est vendu séparément!
La ghiera di bloccaggio non è compresa con la fresa - deve essere ordinata separatamente

Pièces Détachées
Ricambi

Corps de fraise Corpo fresa	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
M328...	5.14T20P	T20PQ



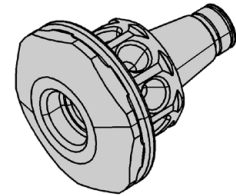
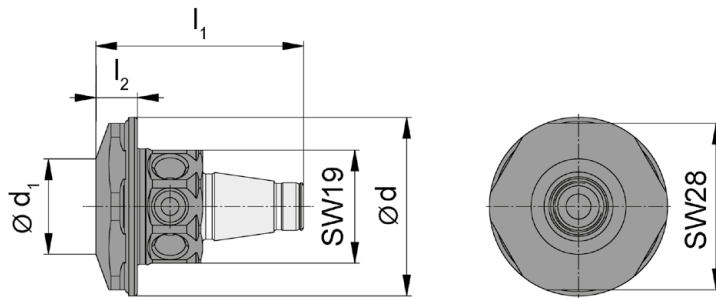
N° de commande Codice prodotto	d	l ₁	Forme Forma	HWS
M328.0016.D.00A	16	80	A	328143R
M328.0020.D.00A	20	80	A	328143R

t_{max} et Ds voir plaquettes
t_{max} e Ds vd. inserti

Pièces Détachées

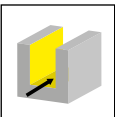
Ricambi

Corps de fraise Corpo fresa	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
M328...	5.14T20P	T20PQ

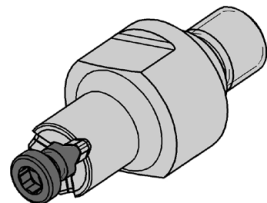
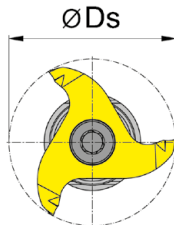
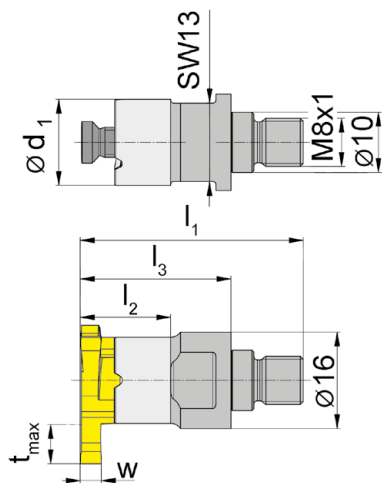


N° de commande Codice prodotto	l_1	l_2	d_1	d
WFB.2012.M081.01	35	7	16	30

pour Corps de fraise vissé
per Fresa avvitabile



B



N° de commande Codice prodotto	l_1	l_2	l_3	d_1	SW	HWS
M328.M081.01	37	15	25	14,3	13	328143R

w, Ds, tmax voir plaquettes
w, Ds, tmax vd. Inserti

Pièces Détachées

Ricambi

Corps de fraise vissé Fresa avvitabile	Vis de serrage Vite di serraggio	Tournevis TORX PLUS® Cacciavite TORX PLUS®
M328.M081.01	5.14T20P	T20PQ

B

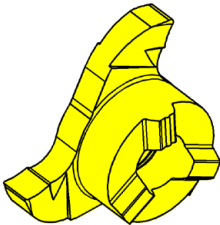
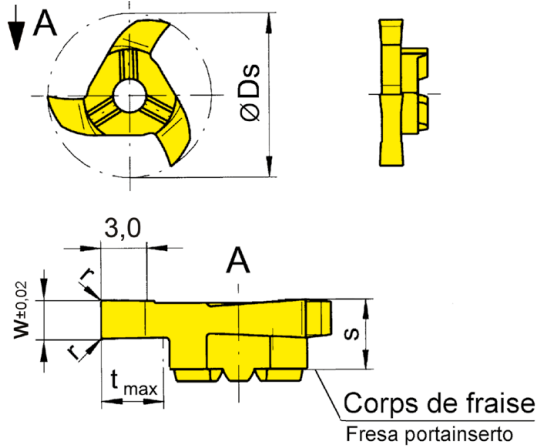
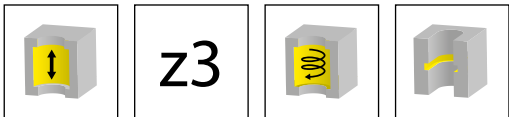


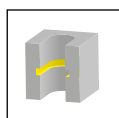
Illustration de coupe à droite représentée
Figura = taglio destro

▲ en stock
a stock

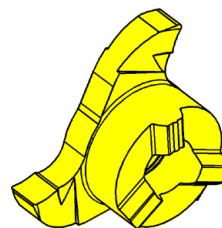
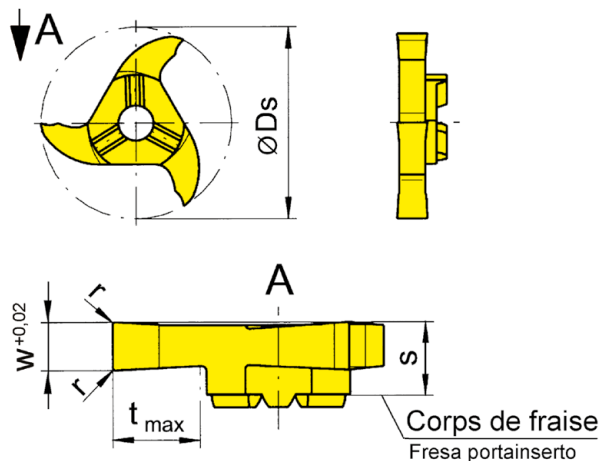
Δ 4 semaines
4 settimane

Nuance
Leghe

N° de commande Codice prodotto	Ds	w	s	r	t _{max}	Z	HIS		AS45	TN35
325.0350.52	24,8	3,5	5,7	0,2	5	3	328143R		▲	▲
								P	●	●
								M	●	●
								K	●	●
								N	○	●
								S	●	●
								H	-	-



z3



Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Illustration de coupe à droite représentée
Figura = taglio destro

N° de commande Codice prodotto	Ds	w	s	r	t _{max}	Z	HIS	AS45	TN35
328.0200.00	27,7	2	5,7	0,2	6,5	3	328143R	▲	▲
328.0250.00	27,7	2,5	5,7	0,2	6,5	3	328143R	▲	▲
328.0300.00	27,7	3	5,7	0,2	6,5	3	328143R	▲	▲
328.0350.00	27,7	3,5	5,7	0,2	6,5	3	328143R	▲	▲
328.0400.00	27,7	4	5,7	0,2	6,5	3	328143R	▲	▲
328.0500.00	27,7	5	5,7	0,2	6,5	3	328143R	▲	▲
328.0600.00	27,7	6	7	0,2	6,5	3	328143R	▲	▲
328.1000.00	27,7	10	10	0,2	6,5	3	328143R	▲	▲

Plaquette **328.1000.00** avec denture décalée (Z=1) et plaquette **328.0600.00** avec brise-copeaux (Z=3) !
Inserto 328.1000.00 contagliante staggherato (Z=1) e inserto 328.0600.00 con divisore di trucioli (Z=3)!

Pour plaquette w = 2 - 6 mm utiliser la vis 4.14T20P

Pour plaquette w = 7 - 8 mm utiliser la vis 5.17T20P

Pour plaquette w = 10 mm utiliser la vis 5.13T20P

Per inserto w = 2 - 6 mm utilizzare la vite 4.14T20P

Per inserto w = 7 - 8 mm utilizzare la vite 5.17T20P

Per inserto w = 10 mm utilizzare la vite 5.13T20P

P	●	●
M	●	●
K	●	●
N	○	●
S	●	●
H	-	-

B

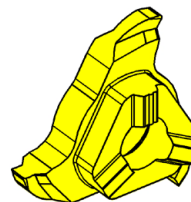
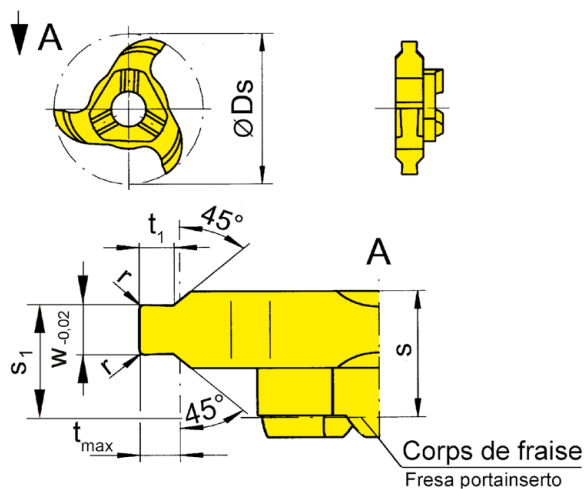
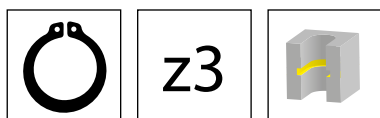


Illustration de coupe à gauche représentée
Figura = taglio sinistro

▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	Ds	Nw	w	t ₁	s	s ₁	r	t _{max}	Z	HIS	AS45
328.1307.30	27,7	1,3	1,41	0,65	5,95	4,9	-	0,7	3	328143R	▲
328.1812.35	27,7	1,85	1,96	1,21	5,95	5,1	0,2	1,25	3	328143R	▲
											P ●
											M ●
											K ●
											N o
											S ●
											H -

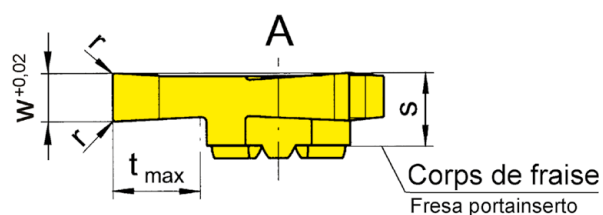
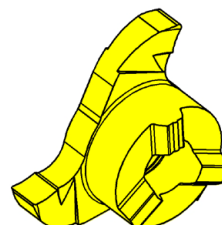
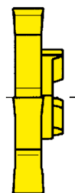
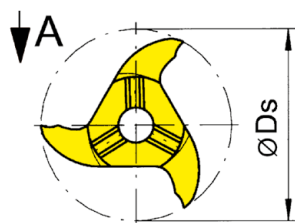
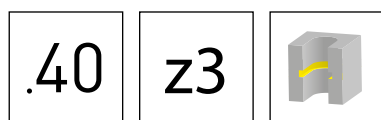


Illustration de coupe à droite représentée
Figura = taglio destro

▲ en stock
a stock

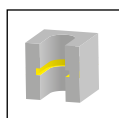
Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	Ds	w	s	r	t _{max}	Z	HIS	Ti25
328.0250.40	27,7	2,5	5,7	0,2	6,5	3	328143R	▲
328.0300.40	27,7	3	5,7	0,2	6,5	3	328143R	▲
328.0350.40	27,7	3,5	5,7	0,2	6,5	3	328143R	▲
328.0400.40	27,7	4	5,7	0,2	6,5	3	328143R	▲

Des plaquettes inférieure à 0,5 mm peuvent être réalisées en réduisant la profondeur de la gorge sur demande.
Inserti per larghezza fino a 0,5 mm possono essere forniti su richiesta ma con profondità ridotta.

P	-
M	-
K	-
N	●
S	-
H	-

B



z3

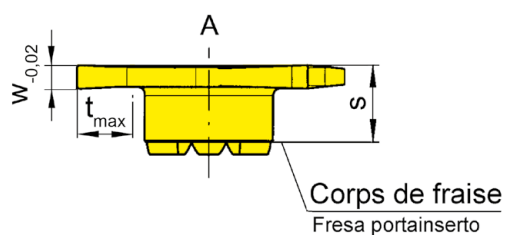
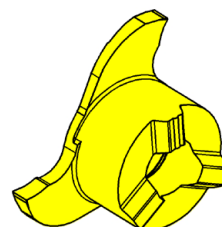
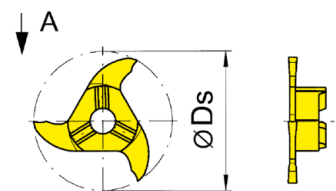
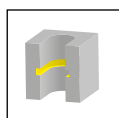


Illustration de coupe à droite représentée
Figura = taglio destro

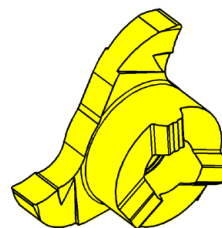
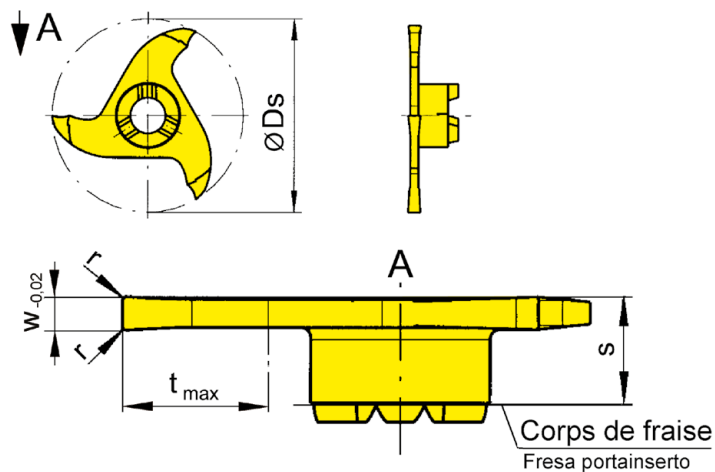
▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	Ds	w	s	t _{max}	Z	HIS		TI25	TN35
328.0082.1.00	27,7	0,82	5,7	5	3	328143R	▲	▲	▲
							P	●	●
							M	●	●
							K	●	●
							N	●	●
							S	●	●
							H	-	-



z3



Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Illustration de coupe à droite représentée
Figura = taglio destro

N° de commande Codice prodotto	Ds	w	s	r	t _{max}	Z	HIS	AS45	TI25	TN35
328.0110.2.00	28	1,1	5,7	0,2	9,3	3	328114R	▲	▲	▲
328.0120.2.00	28	1,2	5,7	0,2	9,3	3	328114R	▲	▲	▲
328.0132.2.00	28	1,32	5,7	0,15	9,3	3	328114R	▲	▲	▲
328.0150.2.00	28	1,5	5,7	0,2	9,3	3	328114R	▲	▲	▲
328.0160.2.00	28	1,6	5,7	0,2	9,3	3	328114R	▲	▲	▲
328.0200.2.00	28	2	5,7	0,2	9,3	3	328114R	▲	▲	▲
328.0250.2.00	28	2,5	5,7	0,2	9,3	3	328114R	▲	▲	▲
P	●	●	●	●	●	●	●	●	●	●
M	●	●	●	●	●	●	●	●	●	●
K	●	●	●	●	●	●	●	●	●	●
N	●	●	●	●	●	●	●	●	●	●
S	●	●	●	●	●	●	●	●	●	●
H	-	-	-	-	-	-	-	-	-	-

B

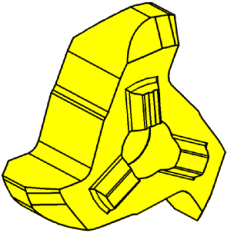
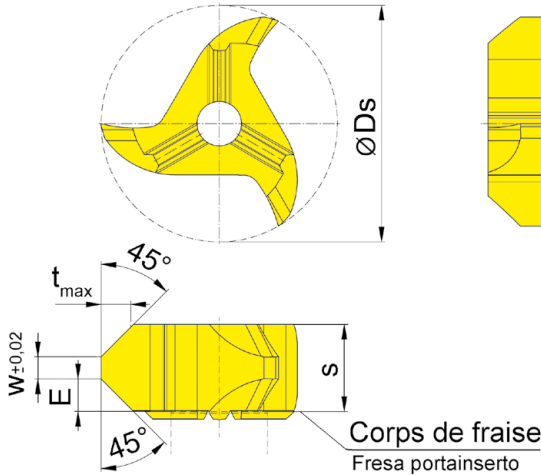


Illustration de coupe à droite représentée
Figura = taglio destro

▲ en stock Δ 4 semaines
a stock 4 settimane

N° de commande Codice prodotto	Ds	E	s	w	t _{max}	Z	HIS	TA45
328.4545.35.00	27,7	3,8	10,2	2,6	3,5	3	328143R	▲

Pour plaquette **328.4545.35.00**, veuillez utiliser uniquement la vis la plus longue 5.13T20P.
Per inserto 328.4545.35.00 utilizzare solo la vite più lunga 5.13T20P.

P	●
M	●
K	●
N	●
S	●
H	-

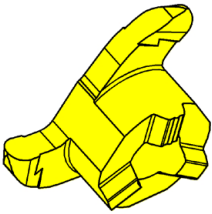
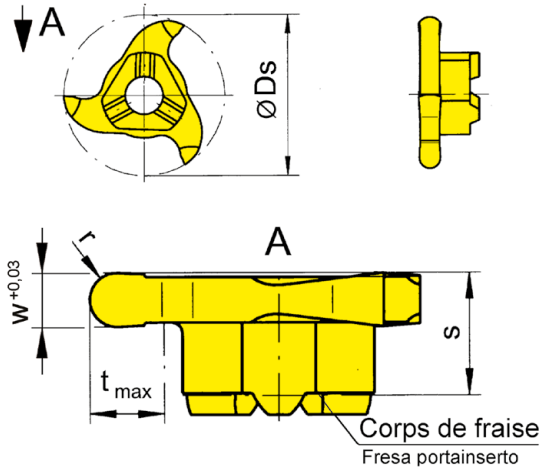


Illustration de coupe à droite représentée
Figura = taglio destro

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

N° de commande Codice prodotto	Ds	w	s	r	t _{max}	Z	HIS	AS/45
328.0010.20	27,7	2	5,7	1	6,5	3	328143R	▲
328.0014.28	27,7	2,8	5,7	1,4	6,5	3	328143R	▲
328.0015.30	27,7	3	5,7	1,5	6,5	3	328143R	▲
328.0020.40	27,7	4	5,7	2	6,5	3	328143R	▲
								P ●
								M ●
								K ●
								N o
								S ●
								H -

B

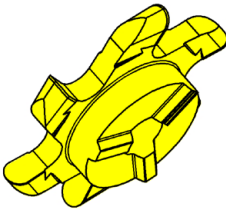
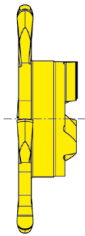
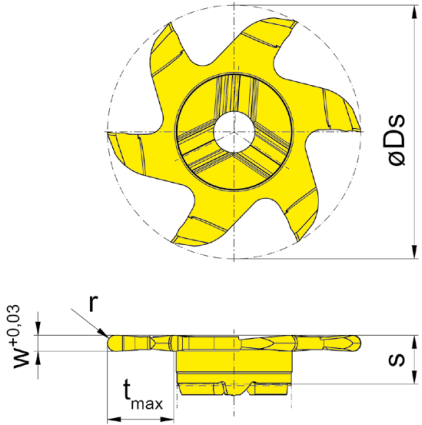
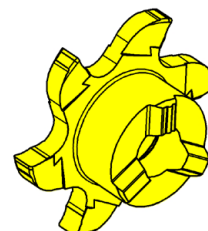
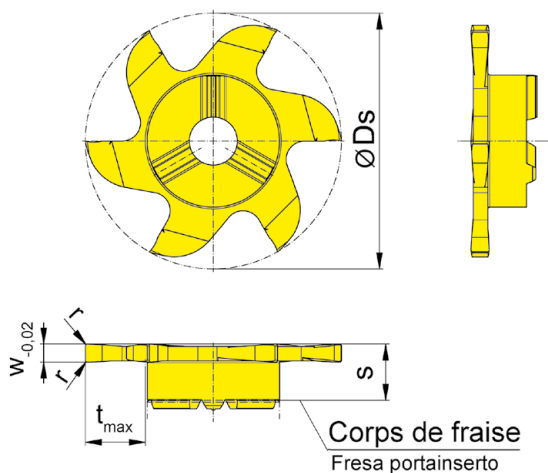
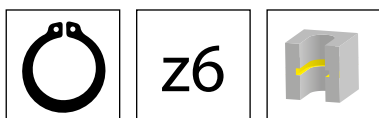


Illustration de coupe à droite représentée
Figura = taglio destro

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

N° de commande Codice prodotto	Ds	w	s	r	t _{max}	Z	HIS	AS45
628.0010.20	27,7	2	6,1	1	6,5	6	328143R	▲
628.0015.30	27,7	3	6,1	1,5	6,5	6	328143R	▲
628.0020.40	27,7	4	6,1	2	6,5	6	328143R	▲
								P ●
								M ●
								K ●
								N o
								S ●
								H -



Nuance
Leghe

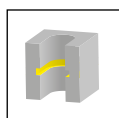
▲ en stock
a stock

Δ 4 semaines
4 settimane

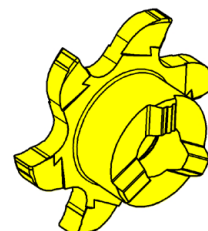
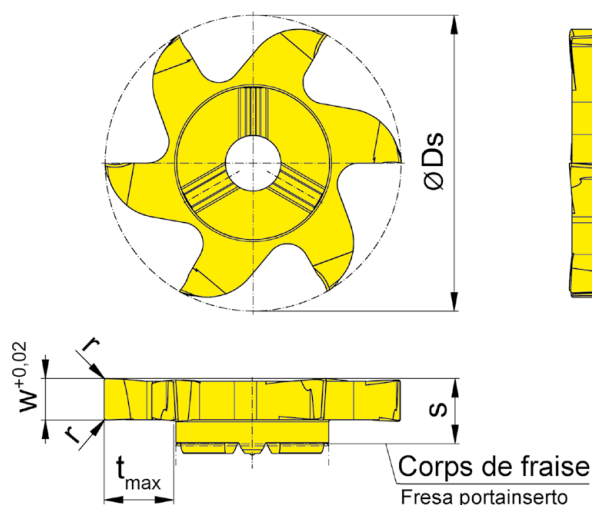
Illustration de coupe à droite représentée
Figura = taglio destro

N° de commande Codice prodotto	Ds	Nw	w	s	r	t _{max}	Z	HIS		AN25	AS45	RC25	TI25
628.0080.00	27,7	0,8	0,8	6,1	-	6,5	6	328143R		Δ		▲	
628.0130.00	27,7	1,3	1,41	6,1	-	6,5	6	328143R			▲		▲
628.0160.00	27,7	1,6	1,71	6,1	-	6,5	6	328143R			▲		▲
628.0185.00	27,7	1,85	1,96	6,1	0,2	6,5	6	328143R			▲		▲
628.0215.00	27,7	2,15	2,26	6,1	0,2	6,5	6	328143R			▲		▲
628.0265.00	27,7	2,65	2,76	6,1	0,2	6,5	6	328143R			▲		▲
									P	•	•	•	•
									M	o	•	•	•
									K	-	•	•	•
									N	-	o	-	•
									S	-	•	-	•
									H	-	-	-	-

B



z6



Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Illustration de coupe à droite représentée
Figura = taglio destro

N° de commande Codice prodotto	Ds	w	s	r	t _{max}	Z	HIS	AS45	TH35	TI25
628.0150.00	27,7	1,5	6,1	-	6,5	6	328143R	▲		
628.0200.00	27,7	2	6,1	0,2	6,5	6	328143R	▲		
628.0250.00	27,7	2,5	6,1	0,2	6,5	6	328143R	▲		▲
628.0300.00	27,7	3	6,1	0,2	6,5	6	328143R	▲		▲
628.0350.00	27,7	3,5	6,1	0,2	6,5	6	328143R	▲		▲
628.0400.00	27,7	4	6,1	0,2	6,5	6	328143R	▲	▲	▲

Des plaquettes inférieure à 0,5 mm peuvent être réalisées en réduisant la profondeur de la gorge sur demande.

Inserti per larghezza fino a 0,5 mm possono essere forniti su richiesta ma con profondità ridotta.

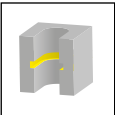
Plaquette 628.0400.00

seulement avec porte outil l2 = max. 42 mm

Inserto 628.0400.00

solo su portainsero con dimensione l2 = max. 42 mm

	P	M	K	N	S	H
AS45	●	●	●	○	●	-
TH35	●	●	●	●	●	-
TI25	●	●	●	●	●	-



z6

B

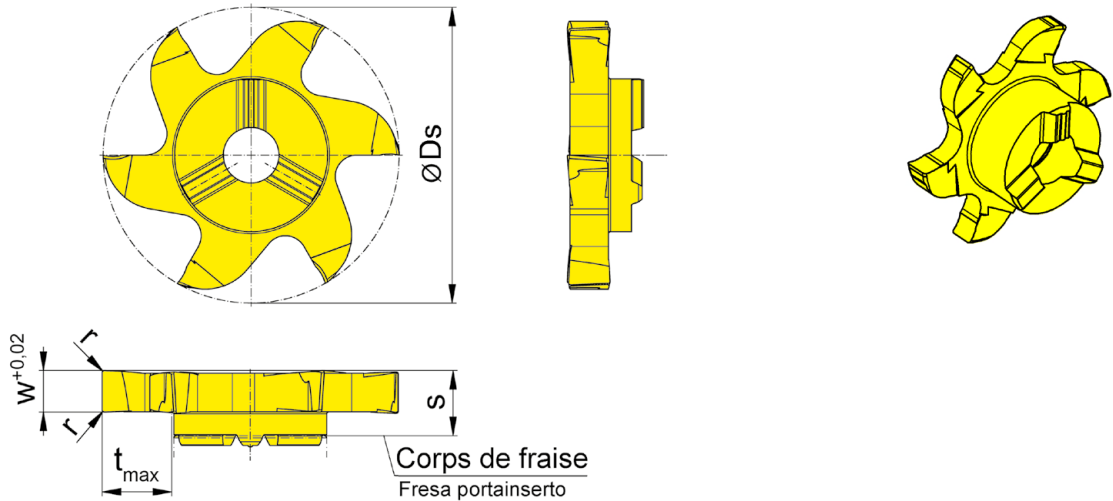


Illustration de coupe à droite représentée
Figura = taglio destro

▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	Ds	w	s	r	t _{max}	Z	HIS	AS45
628.0300.04	27,7	3	6,1	0,4	6,5	6	328143R	▲
628.0300.08	27,7	3	6,1	0,8	6,5	6	328143R	▲
628.0400.04	27,7	4	6,1	0,4	6,5	6	328143R	▲
628.0400.08	27,7	4	6,1	0,8	6,5	6	328143R	▲
								P ●
								M ●
								K ●
								N o
								S ●
								H -

B

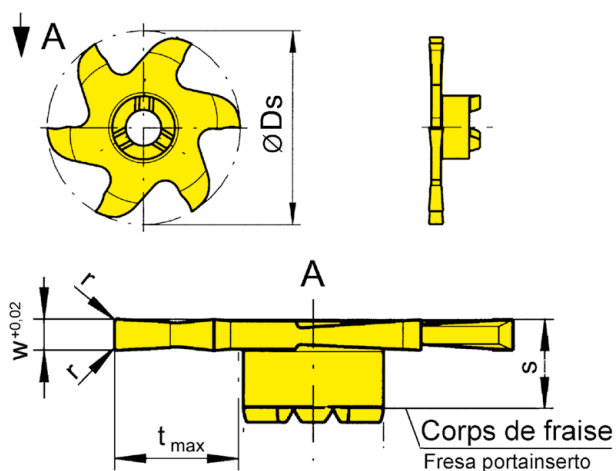
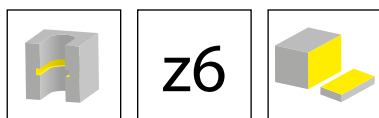
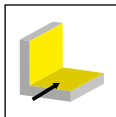
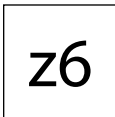
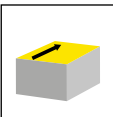


Illustration de coupe à droite représentée
Figura = taglio destro

▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	Ds	w	s	r	t _{max}	Z	HIS	AS45	TI25
628.0100.2.00	28	1	6,1	-	9,3	6	328114R	▲	▲
628.0120.2.00	28	1,2	6,1	0,2	9,3	6	328114R	▲	▲
628.0150.2.00	28	1,5	6,1	0,2	9,3	6	328114R	▲	▲
628.0160.2.00	28	1,6	6,1	0,2	9,3	6	328114R	▲	▲
628.0200.2.00	28	2	6,1	0,2	9,3	6	328114R	▲	▲
628.0240.2.00	28	2,4	6,1	0,2	9,3	6	328114R	Δ	▲
628.0250.2.00	28	2,5	6,1	0,2	9,3	6	328114R	▲	▲
								P	●
								M	●
								K	●
								N	○
								S	●
								H	-



B

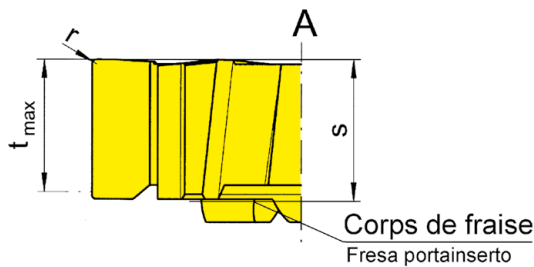
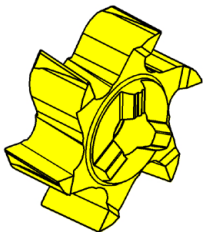
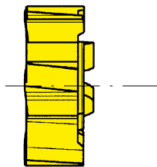
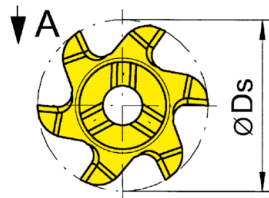


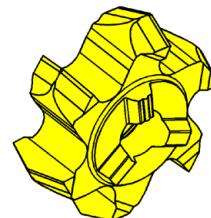
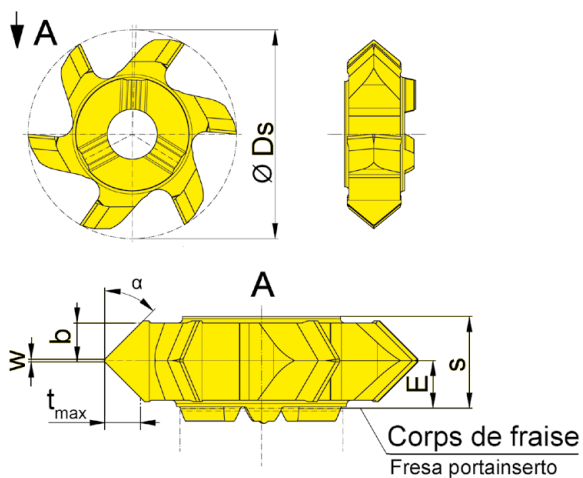
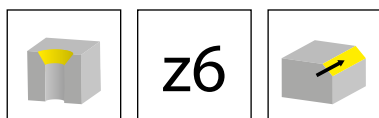
Illustration de coupe à droite représentée
Figura = taglio destro

▲ en stock
a stock

Nuance
Leghe
Δ 4 semaines
4 settimane

N° de commande Codice prodotto	Ds	Z	r	t _{max}	s	HIS	AS45	TF45	TI25
628.PL61.62	27,7	6	0,2	5,7	6,1	328143R	▲	▲	▲
Dents avec un angle d'hélice Taglienti in elica							P	●	●
							M	●	●
							K	●	●
							N	○	●
							S	●	●
							H	-	-

B



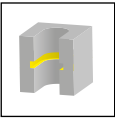
Nuance
Leghe

▲ en stock
a stock

Δ 4 semaines
4 settimane

Illustration de coupe à droite représentée
Figura = taglio destro

N° de commande Codice prodotto	Ds	E	s	w	α	b	t _{max}	Z	HIS		AS45	TA45
628.1515.20	27,7	3,2	6,3	0,2	15°	2,8	0,75	6	328143R	▲		
628.2020.20	27,7	3,2	6,3	0,2	20°	2,8	1	6	328143R	▲		
628.3030.20	27,7	3,2	6,3	0,2	30°	2,8	1,6	6	328143R	▲		▲
628.4545.20	27,7	3,2	6,3	0,2	45°	2,8	2,8	6	328143R	▲		▲
										P	●	●
										M	●	●
										K	●	●
										N	○	●
										S	●	●
										H	-	-



z9

B

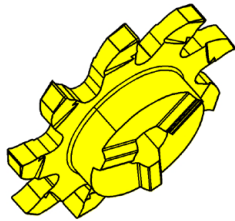
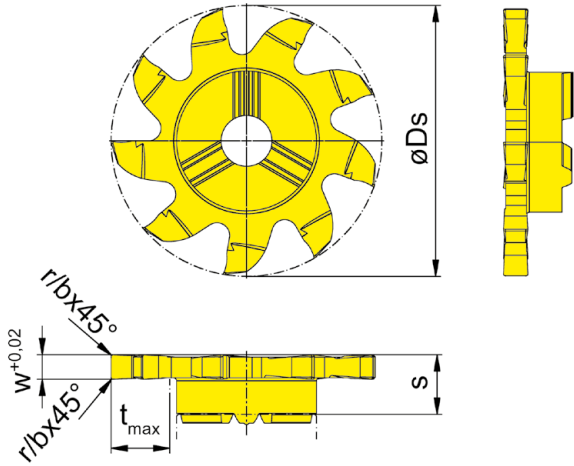
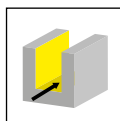


Illustration de coupe à droite représentée
Figura = taglio destro

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

N° de commande Codice prodotto	Ds	w	s	b x 45°	r	t _{max}	Z	HIS		EG55	IG65
928.0150.00	27,7	1,5	6,1	0,05	-	6,5	9	328143R	▲	▲	Δ
928.0200.00	27,7	2	6,1	-	0,2	6,5	9	328143R	▲	▲	Δ
928.0250.00	27,7	2,5	6,1	-	0,2	6,5	9	328143R	▲	▲	Δ
928.0300.00	27,7	3	6,1	-	0,2	6,5	9	328143R	▲	▲	Δ
									P	●	●
									M	○	●
									K	○	-
									N	-	-
									S	-	○
									H	-	-

Corps de fraise
Corpo fresa
M332/M332.ST/M332.ER

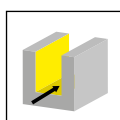


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Base de support
Attacco Base
WFB

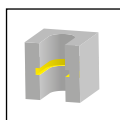
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Corps de fraise vissé
Fresa avvitabile
M332.M

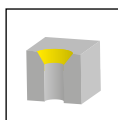


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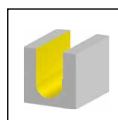
Plaquette
Inserto
332/632/636/932
939



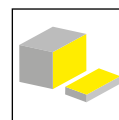
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