

TRONCATURA E SCANALATURA

GL – NAVIGATORE UTENSILI ESTERNI

SEDE INSERTO	GL1	GL2	GL3	GL4	GL5	GL6	
NEW GLAF(RL)EXT 20x20 25x25		COX 20 mm 	COX 20 – 40 mm 	COX 20 – 32 mm 	COX 24 – 32 mm 	COX 24 – 32 mm 	
NEW GLAF(RL)EXT-S 12x12 16x16		COX 12 – 16 mm 	COX 12 – 16 mm 	COX 16 mm 			
GLSF(RL)EXT 20x20 25x25	COX 16 mm 	COX 20 – 24 mm 	COX 20 – 32 mm 				
GLSF(RL)EXT-S 12x12 16x16	COX 12 – 16 mm 	COX 12 – 16 mm 	COX 12 – 16 mm 	COX 16 mm 			
GLSF(RL)EXT-G 20x20 32x32 NEW		COX 10 mm 	COX 10 – 20 mm 	COX 12 – 24 mm 	COX 12 – 32 mm 	COX 12 – 32 mm 	
Larghezza di taglio (mm) NEW Troncatura profonda (inserto mono tagliente) 	1.5	2	3 (2.5)	4	5	6	8
NEW Troncatura (tubo / barra piena) 	NEW 						
Scanalatura (profonda / poco profonda) 	PM	PM PR	NEW GM				
Tornitura (longitudinale) 		GM	GM	GM	GM	GM	NEW GM
Profilatura (multiassiale) 		MM	MM	MM	MM	MM	

GLAF(RL) EXT



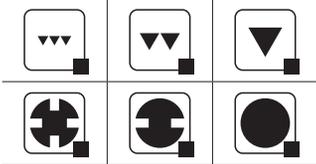
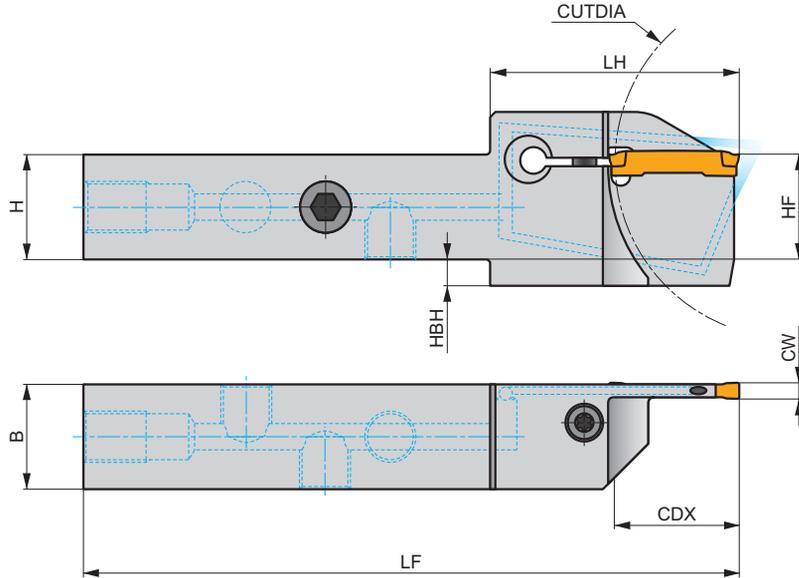
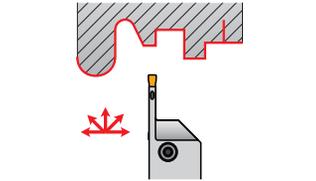
PRAMET

G



Utensile per troncatura e scanalatura con refrigerante interno per inserti GL

Portautensile destro/sinistro esterno con refrigerante interno per inserti GL. Adatto per applicazioni di scanalatura radiale, troncatura, tornitura e profilatura. Corpo rinforzato per una maggiore vita utensile e vibrazioni minime. Corpo trattato per una maggiore vita utensile.



Product	HF	HBH	H	B	LF	LH	CW	CDX	CUTDIA					
	(mm)													
R GL2-A2020KFR-20-80	20	5	20	20	125	43.5	2.00	20	80	✓	0.33	GI334	GL11	CC01
GL2-A2525MFR-20-80	25	-	25	25	150	43.5	2.00	20	80	✓	0.65	GI334	GL11	CC01
GL3-A2020KFR-20-80	20	5	20	20	125	43.5	3.00	20	80	✓	0.33	GI335	GL11	CC01
GL3-A2020KFR-24-80	20	5	20	20	125	47.5	3.00	24	80	✓	0.32	GI335	GL11	CC01
GL3-A2525MFR-20-80	25	-	25	25	150	43.5	3.00	20	80	✓	0.66	GI335	GL11	CC01
GL3-A2525PFR-32-80	25	5	25	25	170	55.5	3.00	32	80	✓	0.73	GI335	GL11	CC01
GL3-A2525PFR-40-100	25	7	25	25	170	63.5	3.00	40	100	✓	0.70	GI335	GL11	CC01
L GL4-A2020KFR-20-80	20	5	20	20	125	43.6	4.00	20	80	✓	0.38	GI336	GL11	CC01
GL4-A2020KFR-24-80	20	5	20	20	125	47.6	4.00	24	80	✓	0.37	GI336	GL11	CC01
GL4-A2525MFR-20-80	25	-	25	25	150	43.6	4.00	20	80	✓	0.58	GI336	GL11	CC01
GL4-A2525PFR-32-80	25	5	25	25	170	55.6	4.00	32	80	✓	0.67	GI336	GL11	CC01
GL5-A2020KFR-24-80	20	5	20	20	125	47.6	5.00	24	80	✓	0.32	GI337	GL11	CC01
GL5-A2525PFR-32-100	25	5	25	25	170	55.6	5.00	32	100	✓	0.67	GI337	GL11	CC01
GL6-A2020KFR-24-80	20	5	20	20	125	47.6	6.00	24	80	✓	0.37	GI338	GL11	CC01
GL6-A2525PFR-32-100	25	5	25	25	170	55.6	6.00	32	100	✓	0.68	GI338	GL11	CC01
GL2-A2020KFL-20-80	20	5	20	20	125	43.5	2.00	20	80	✓	0.33	GI334	GL11	CC01
GL2-A2525MFL-20-80	25	-	25	25	150	43.5	2.00	20	80	✓	0.66	GI334	GL11	CC01
GL3-A2020KFL-20-80	20	5	20	20	125	43.5	3.00	20	80	✓	0.33	GI335	GL11	CC01
GL3-A2020KFL-24-80	20	5	20	20	125	47.5	3.00	24	80	✓	0.36	GI335	GL11	CC01
GL3-A2525MFL-20-80	25	-	25	25	150	43.5	3.00	20	80	✓	0.65	GI335	GL11	CC01
GL3-A2525PFL-32-80	25	5	25	25	170	55.5	3.00	32	80	✓	0.67	GI335	GL11	CC01
GL3-A2525PFL-40-100	25	7	25	25	170	63.5	3.00	40	100	✓	0.70	GI335	GL11	CC01
GL4-A2020KFL-20-80	20	5	20	20	125	43.6	4.00	20	80	✓	0.33	GI336	GL11	CC01
GL4-A2020KFL-24-80	20	5	20	20	125	47.6	4.00	24	80	✓	0.37	GI336	GL11	CC01
GL4-A2525MFL-20-80	25	-	25	25	150	43.6	4.00	20	80	✓	0.65	GI336	GL11	CC01
GL4-A2525PFL-32-80	25	5	25	25	170	55.6	4.00	32	80	✓	0.73	GI336	GL11	CC01
GL5-A2020KFL-24-80	20	5	20	20	125	47.6	5.00	24	80	✓	0.32	GI337	GL11	CC01

Product	HF	HBH	H	B	LF	LH	CW	CDX	CUTDIA					
	(mm)		kg											
L GL5-A2525PFL-32-100	25	5	25	25	170	55.6	5.00	32	100		0.67	GI337	GL11	CC01
GL6-A2020KFL-24-80	20	5	20	20	125	47.6	6.00	24	80		0.33	GI338	GL11	CC01
GL6-A2525PFL-32-100	25	5	25	25	170	55.6	6.00	32	100		0.68	GI338	GL11	CC01

GI334	GL2..	-
GI335	GL3..	-
GI336	GL4..	-
GI337	GL5..	-
GI338	GL6-D600..	GL6-D800..

La profondità di taglio in base al diametro da lavorare si trova a pag. 364.

GL11	US 5018-T20P	5.0	M 5	18.2	LKT20P

CC01	CHP-P1/8	G1/8"	HXK 4

Gli accessori per l'adduzione interna del refrigerante si trovano a pagina 366.

GLAF(RL) EXT-S

P
M
K
N
S
H

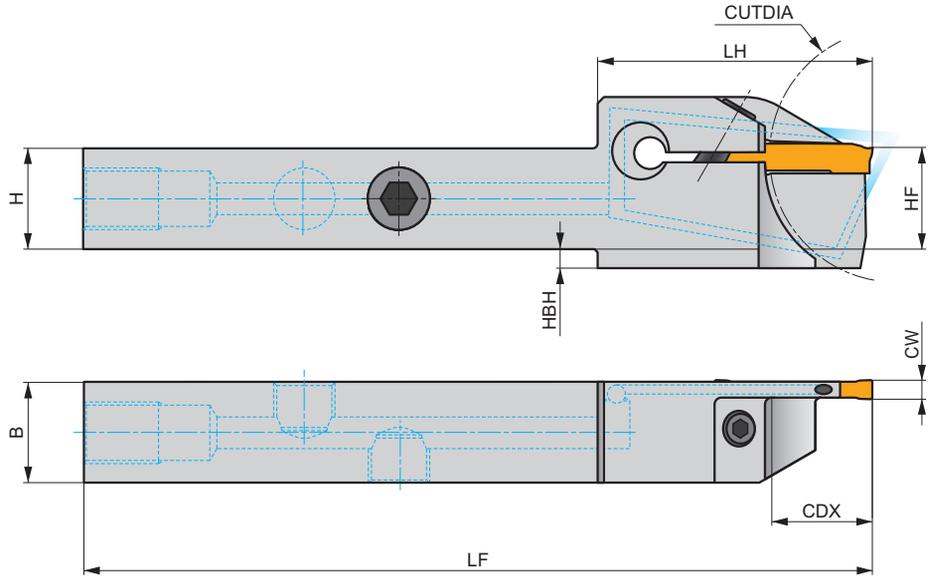
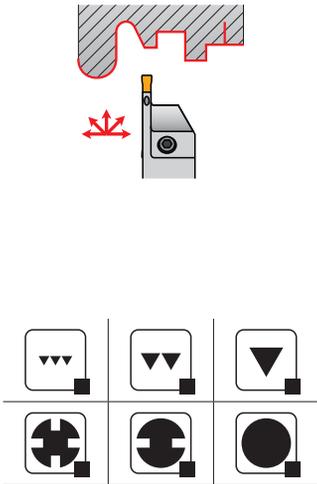
PRAMET

G



Utensile per scanalatura con refrigerante interno per inserti GL, per macchine a fantina mobile

Portautensile destro/sinistro esterno con refrigerante interno per inserti GL, progettato per macchine a fantina mobile e accesso facile al bloccaggio degli inserti. Adatto per applicazioni di scanalatura radiale, troncatura, tornitura e profilatura. Corpo trattato per una maggiore vita utensile.



Product	HF	HBH	H	B	LF	LH	CW	CDX	CUTDIA						
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)						
R	GL2-A1212HFR-12-40	12	3	12	12	100	33.0	2.00	12	40	✓	0.12	GI334	GL13	CC02
	GL2-A1616KFR-16-45	16	3	16	16	125	43.5	2.00	16	45	✓	0.21	GI334	GL12	CC01
	GL3-A1212HFR-12-40	12	3	12	12	100	33.0	3.00	12	40	✓	0.12	GI335	GL13	CC02
	GL3-A1616KFR-16-45	16	3	16	16	125	43.5	3.00	16	45	✓	0.21	GI335	GL12	CC01
L	GL4-A1616KFR-16-45	16	4	16	16	125	43.6	4.00	16	45	✓	0.21	GI336	GL12	CC01
	GL2-A1212HFL-12-40	12	3	12	12	100	33.0	2.00	12	40	✓	0.11	GI334	GL13	CC02
	GL2-A1616KFL-16-45	16	3	16	16	125	43.5	2.00	16	45	✓	0.27	GI334	GL12	CC01
	GL3-A1212HFL-12-40	12	3	12	12	100	33.0	3.00	12	40	✓	0.12	GI335	GL13	CC02
	GL3-A1616KFL-16-45	16	3	16	16	125	43.5	3.00	16	45	✓	0.25	GI335	GL12	CC01
GL4-A1616KFL-16-45	16	4	16	16	125	43.6	4.00	16	45	✓	0.21	GI336	GL12	CC01	

GI334		GL2..
GI335		GL3..
GI336		GL4..

La profondità di taglio in base al diametro da lavorare si trova a pag. 364.

GL12	HS 0516	5.0	M 5	16	HXK 4
GL13	HS 0412	5.0	M 4	12	HXK 3

CC01	CHP-P1/8	-	G1/8"	HXK 4	-	-
CC02	-	CHP-P6	M6	HXK 3	CHP-G06	CHP-R1/8-6

Gli accessori per l'adduzione interna del refrigerante si trovano a pagina 366.

GLSF(RL) EXT

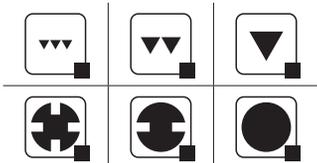
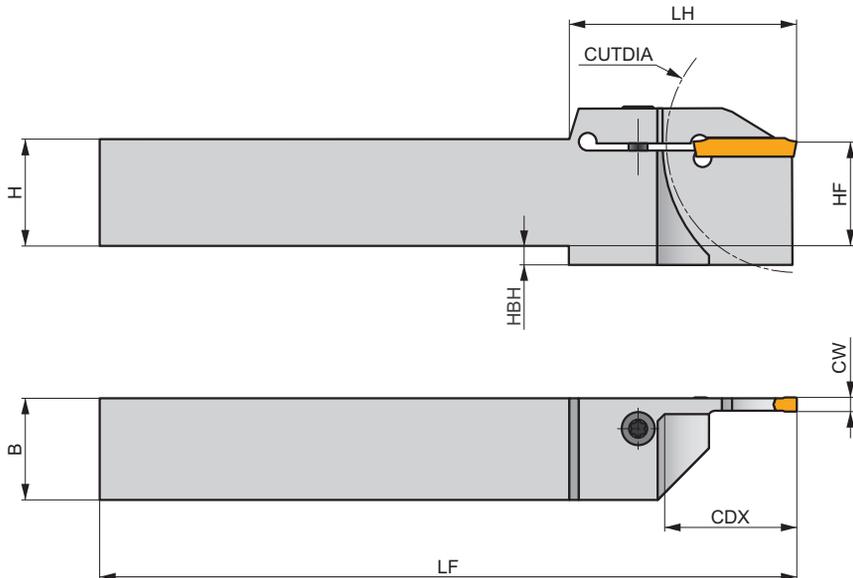
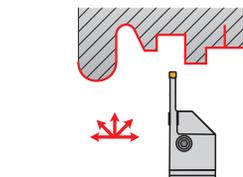


PRAMET



Utensile per troncatura e scanalatura per inserti GL

Portautensile destro/sinistro esterno per inserti GL. Adatto per applicazioni di scanalatura radiale, troncatura, tornitura e profilatura. Corpo rinforzato per una maggiore vita utensile e vibrazioni minime. Corpo trattato per una maggiore vita utensile.



Product	⌀	HBH	H	B	LF	LH	CW	CDX	CUTDIA	kg		
	(mm)											
R GL1-S2020KFR-16-60	20	–	20	20	125	34.2	1.50	16	60	0.35	GI333	GL11
GL2-S2020KFR-20-80	20	–	20	20	125	43.5	2.00	20	80	0.38	GI334	GL11
GL2-S2020KFR-24-80	20	5	20	20	125	48.5	2.00	24	80	0.38	GI334	GL11
GL2-S2525MFR-20-80	25	–	25	25	150	43.5	2.00	20	80	0.70	GI334	GL11
GL2-S2525MFR-24-80	25	–	25	25	150	47.5	2.00	24	80	0.68	GI334	GL11
GL3-S2020KFR-20-80	20	–	20	20	125	43.5	3.00	20	80	0.38	GI335	GL11
GL3-S2020KFR-24-80	20	5	20	20	125	47.5	3.00	24	80	0.36	GI335	GL11
GL3-S2525MFR-20-80	25	–	25	25	150	43.5	3.00	20	80	0.70	GI335	GL11
GL3-S2525MFR-24-80	25	–	25	25	150	47.5	3.00	24	80	0.65	GI335	GL11
GL3-S2525PFR-32-80	25	5	25	25	170	55.5	3.00	32	80	0.78	GI335	GL11
GL4-S2020KFR-20-80	20	–	20	20	125	43.5	4.00	20	80	0.38	GI336	GL11
GL4-S2020KFR-24-80	20	5	20	20	125	47.5	4.00	24	80	0.37	GI336	GL11
GL4-S2525MFR-20-80	25	–	25	25	150	43.5	4.00	20	80	0.68	GI336	GL11
GL4-S2525MFR-24-80	25	–	25	25	150	47.5	4.00	24	80	0.69	GI336	GL11
GL4-S2525PFR-32-80	25	5	25	25	170	55.5	4.00	32	80	0.78	GI336	GL11
GL5-S2020KFR-20-80	20	–	20	20	125	43.5	5.00	20	80	0.38	GI337	GL11
GL5-S2525MFR-20-80	25	–	25	25	150	43.5	5.00	20	80	0.68	GI337	GL11
GL5-S2525PFR-32-100	25	5	25	25	170	55.5	5.00	32	100	0.78	GI337	GL11
GL6-S2020KFR-20-80	20	–	20	20	125	43.5	6.00	20	80	0.39	GI338-1	GL11
GL6-S2525MFR-20-80	25	–	25	25	150	43.5	6.00	20	80	0.68	GI338-1	GL11
GL6-S2525PFR-32-100	25	5	25	25	170	55.5	6.00	32	100	0.75	GI338	GL11
L GL1-S2020KFL-16-60	20	–	20	20	125	34.2	1.50	16	60	0.35	GI333	GL11
GL2-S2020KFL-20-80	20	–	20	20	125	43.5	2.00	20	80	0.38	GI334	GL11
GL2-S2020KFL-24-80	20	5	20	20	125	47.5	2.00	24	80	0.39	GI334	GL11
GL2-S2525MFL-20-80	25	–	25	25	150	43.5	2.00	20	80	0.70	GI334	GL11
GL2-S2525MFL-24-80	25	–	25	25	150	47.5	2.00	24	80	0.64	GI334	GL11
GL3-S2020KFL-20-80	20	–	20	20	125	43.5	3.00	20	80	0.38	GI335	GL11

Product	HF	HBH	H	B	LF	LH	CW	CDX	CUTDIA	kg		
	(mm)											
GL3-S2020KFL-24-80	20	5	20	20	125	47.5	3.00	24	80	0.39	GI335	GL11
GL3-S2525MFL-20-80	25	–	25	25	150	43.5	3.00	20	80	0.68	GI335	GL11
GL3-S2525PFL-24-80	25	–	25	25	150	47.5	3.00	24	80	0.68	GI335	GL11
GL3-S2525PFL-32-80	25	5	25	25	170	55.5	3.00	32	80	0.78	GI335	GL11
GL4-S2020KFL-20-80	20	–	20	20	125	43.5	4.00	20	80	0.38	GI336	GL11
GL4-S2020KFL-24-80	20	5	20	20	125	47.5	4.00	24	80	0.39	GI336	GL11
GL4-S2525MFL-20-80	25	–	25	25	150	43.5	4.00	20	80	0.68	GI336	GL11
L GL4-S2525MFL-24-80	25	–	25	25	150	47.5	4.00	24	80	0.65	GI336	GL11
GL4-S2525PFL-32-80	25	5	25	25	170	55.5	4.00	32	80	0.78	GI336	GL11
GL5-S2020KFL-20-80	20	–	20	20	125	43.5	5.00	20	80	0.38	GI337	GL11
GL5-S2525MFL-20-80	25	–	25	25	150	43.5	5.00	20	80	0.71	GI337	GL11
GL5-S2525PFL-32-100	25	5	25	25	170	55.5	5.00	32	100	0.78	GI337	GL11
GL6-S2020KFL-20-80	20	–	20	20	125	43.5	6.00	20	80	0.39	GI338-1	GL11
GL6-S2525MFL-20-80	25	–	25	25	150	43.5	6.00	20	80	0.71	GI338-1	GL11
GL6-S2525PFL-32-100	25	5	25	25	170	55.5	6.00	32	100	0.75	GI338	GL11

GI333	GL1..	–
GI334	GL2..	–
GI335	GL3..	–
GI336	GL4..	–
GI337	GL5..	–
GI338	GL6-D600..	GL6-D800..
GI338-1	GL6-D600..	–

La profondità di taglio in base al diametro da lavorare si trova a pag. 364.

GL11	US 5018-T20P	5.0	M 5	18.2	LKT20P

GLSF(RL) EXT-S



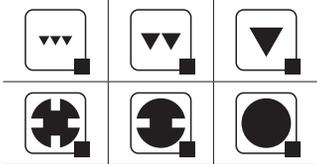
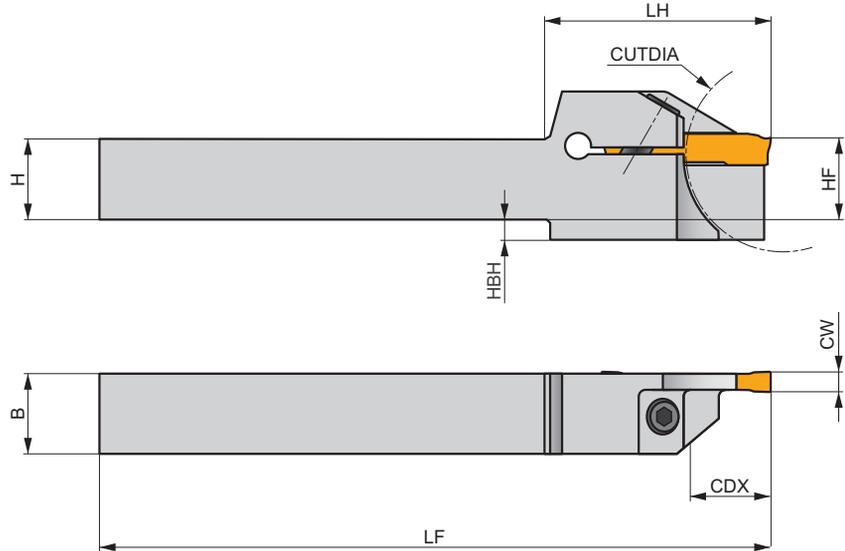
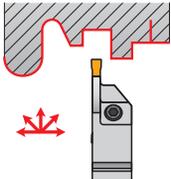
PRAMET

G



Utensile per troncatura e scanalatura per inserti GL, per macchine a fantina mobile

Portautensile destro/sinistro esterno per inserti GL, progettato per macchine a fantina mobile e accesso facile al bloccaggio degli inserti. Adatto per applicazioni di scanalatura radiale, troncatura, tornitura e profilatura. Corpo trattato per una maggiore vita utensile.



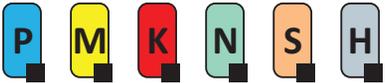
Product	HF	HBH	H	B	LF	LH	CW	CDX	CUTDIA	kg	Icon 1	Icon 2	
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)				
R	GL1-S1212HFR-12-40	12	-	12	12	100	30.2	1.50	12	40	0.10	GI333	GL13
	GL1-S1616KFR-16-45	16	-	16	16	125	34.2	1.50	16	45	0.23	GI333	GL12
	GL2-S1212HFR-12-40	12	3	12	12	100	33.0	2.00	12	40	0.14	GI334	GL13
	GL2-S1616KFR-16-45	16	3	16	16	125	39.5	2.00	16	45	0.23	GI334	GL12
	GL3-S1212HFR-12-40	12	3	12	12	100	33.0	3.00	12	40	0.11	GI335	GL13
	GL3-S1616KFR-16-45	16	3	16	16	125	39.5	3.00	16	45	0.23	GI335	GL12
L	GL4-S1616KFR-16-45	16	4	16	16	125	39.5	4.00	16	45	0.28	GI336	GL12
	GL1-S1212HFL-12-40	12	-	12	12	100	30.2	1.50	12	40	0.10	GI333	GL13
	GL1-S1616KFL-16-45	16	-	16	16	125	34.2	1.50	16	45	0.23	GI333	GL12
	GL2-S1212HFL-12-40	12	3	12	12	100	33.0	2.00	12	40	0.11	GI334	GL13
	GL2-S1616KFL-16-45	16	3	16	16	125	39.5	2.00	16	45	0.23	GI334	GL12
	GL3-S1212HFL-12-40	12	3	12	12	100	33.0	3.00	12	40	0.11	GI335	GL13
GL3-S1616KFL-16-45	16	3	16	16	125	39.5	3.00	16	45	0.23	GI335	GL12	
GL4-S1616KFL-16-45	16	4	16	16	125	39.5	4.00	16	45	0.24	GI336	GL12	

Icon	GL333	GL334	GL335	GL336
	GL1..	GL2..	GL3..	GL4..

La profondità di taglio in base al diametro da lavorare si trova a pag. 364.

Icon 1	Icon 2	Nm	Icon 3	Icon 4	Icon 5
GL12	HS 0516	5.0	M 5	16	HXK 4
GL13	HS 0412	5.0	M 4	12	HXK 3

GLSF(RL) EXT-G

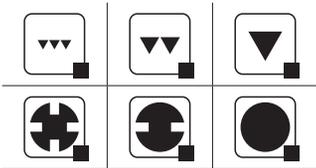
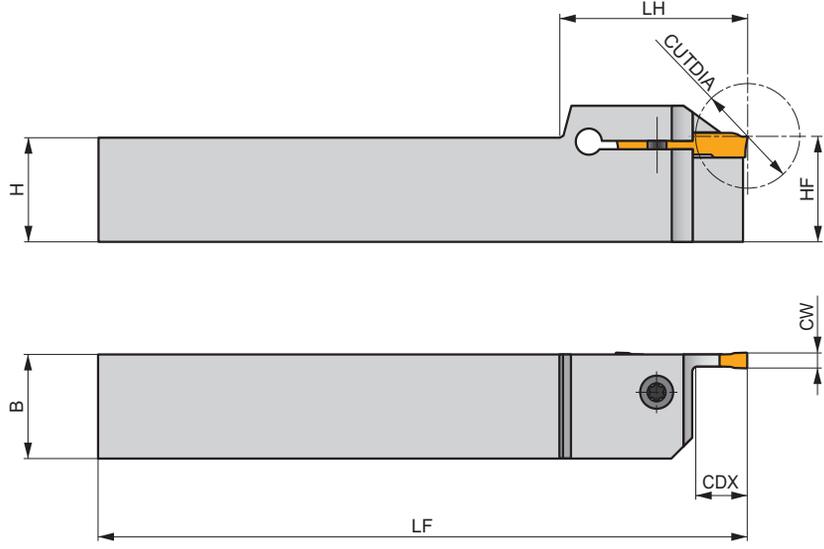
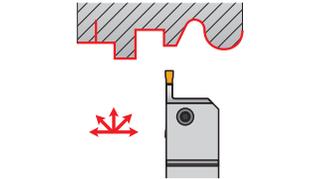


PRAMET



Utensile per tornitura e scanalatura per inserti GL

Portautensile destro/sinistro esterno per inserti GL. Perfettamente adatto per applicazioni di tornitura longitudinale e profilatura, utilizzabile anche per scanalatura e tronatura. Corpo trattato per una maggiore vita utensile.



Product	\pm	H	B	\pm	H	CW	CDX	CUTDIA	kg	G	S	
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)				
R	GL2-S2020KFR-10	20	20	20	125	36.0	2.00	10	20	0.38	GI334	GL11
	GL2-S2525MFR-10	25	25	25	150	36.0	2.00	10	20	0.69	GI334	GL11
	GL3-S2020KFR-10	20	20	20	125	36.0	3.00	10	20	0.39	GI335	GL11
	GL3-S2525MFR-10	25	25	25	150	36.0	3.00	10	20	0.73	GI335	GL11
	GL3-S3232MFR-20	32	32	32	150	46.0	3.00	20	40	1.12	GI335	GL15
	GL4-S2020KFR-12	20	20	20	125	36.0	4.00	12	24	0.37	GI336	GL11
	GL4-S2525MFR-12	25	25	25	150	36.0	4.00	12	24	0.69	GI336	GL11
	GL4-S3232MFR-24	32	32	32	150	50.0	4.00	24	48	1.04	GI336	GL15
	GL5-S2020KFR-12	20	20	20	125	36.0	5.00	12	24	0.36	GI337	GL11
	GL5-S2525MFR-12	25	25	25	150	36.0	5.00	12	24	0.72	GI337	GL11
	GL5-S3232PFR-32	32	32	32	170	58.0	5.00	32	64	1.21	GI337	GL15
	GL6-S2020KFR-12	20	20	20	125	36.0	6.00	12	24	0.36	GI338-1	GL11
	GL6-S2525MFR-12	25	25	25	150	36.0	6.00	12	24	0.68	GI338-1	GL11
	GL6-S3232PFR-32	32	32	32	170	58.0	6.00	32	64	1.22	GI338	GL15
	L	GL2-S2020KFL-10	20	20	20	125	36.0	2.00	10	20	0.37	GI334
GL2-S2525MFL-10		25	25	25	150	36.0	2.00	10	20	0.70	GI334	GL11
GL3-S2020KFL-10		20	20	20	125	36.0	3.00	10	20	0.36	GI335	GL11
GL3-S2525MFL-10		25	25	25	150	36.0	3.00	10	20	0.70	GI335	GL11
GL3-S3232MFL-20		32	32	32	150	46.0	3.00	20	40	1.12	GI335	GL15
GL4-S2020KFL-12		20	20	20	125	36.0	4.00	12	24	0.37	GI336	GL11
GL4-S2525MFL-12		25	25	25	150	36.0	4.00	12	24	0.69	GI336	GL11
GL4-S3232MFL-24		32	32	32	150	50.0	4.00	24	48	1.04	GI336	GL15
GL5-S2020KFL-12		20	20	20	125	36.0	5.00	12	24	0.36	GI337	GL11
GL5-S2525MFL-12		25	25	25	150	36.0	5.00	12	24	0.72	GI337	GL11
GL5-S3232PFL-32		32	32	32	170	58.0	5.00	32	64	1.15	GI337	GL15
GL6-S2020KFL-12		20	20	20	125	36.0	6.00	12	24	0.36	GI338-1	GL11
GL6-S2525MFL-12		25	25	25	150	36.0	6.00	12	24	0.72	GI338-1	GL11

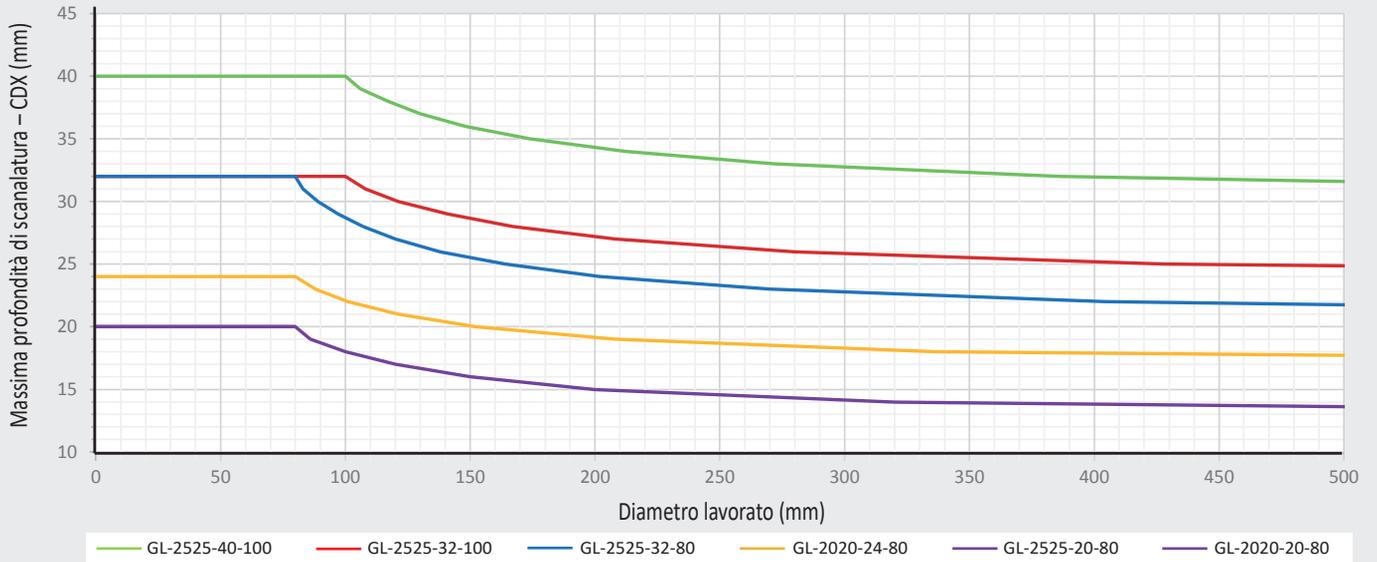
Product	HF	H	B	LF	LH	CW	CDX	CUTD/A	kg		
	(mm)										
L GL6-S3232PFL-32	32	32	32	170	58.0	6.00	32	64	1.15	GI338	GL15

		
GI334	GL2..	-
GI335	GL3..	-
GI336	GL4..	-
GI337	GL5..	-
GI338	GL6-D600..	GL6-D800..
GI338-1	GL6-D600..	-

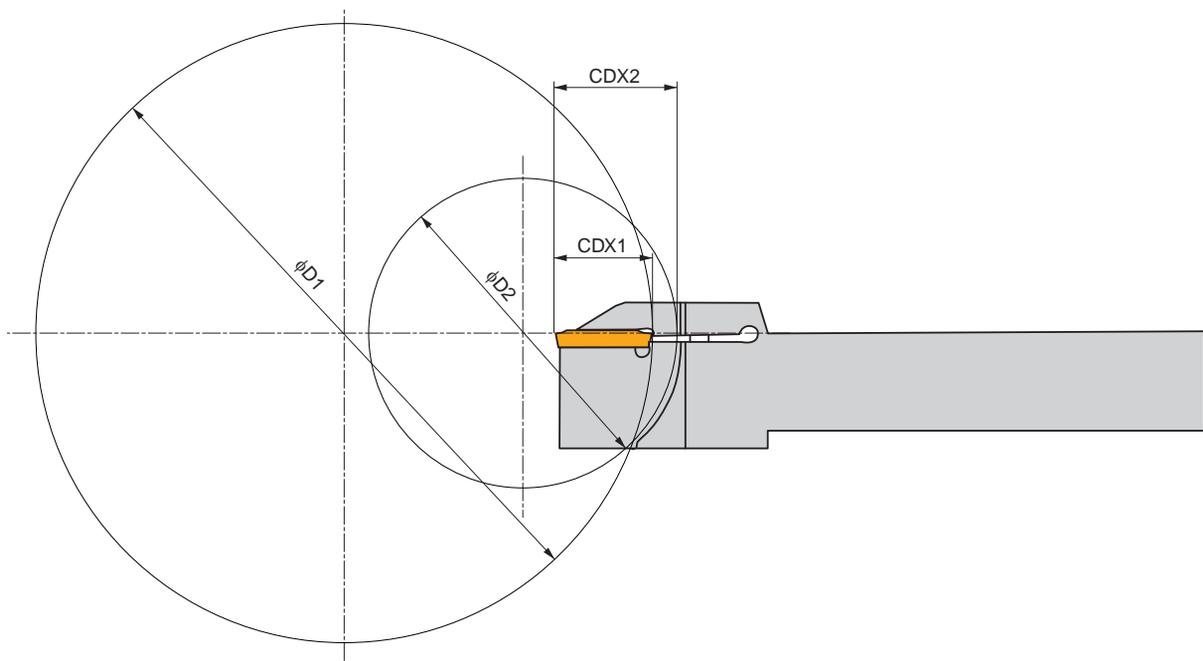
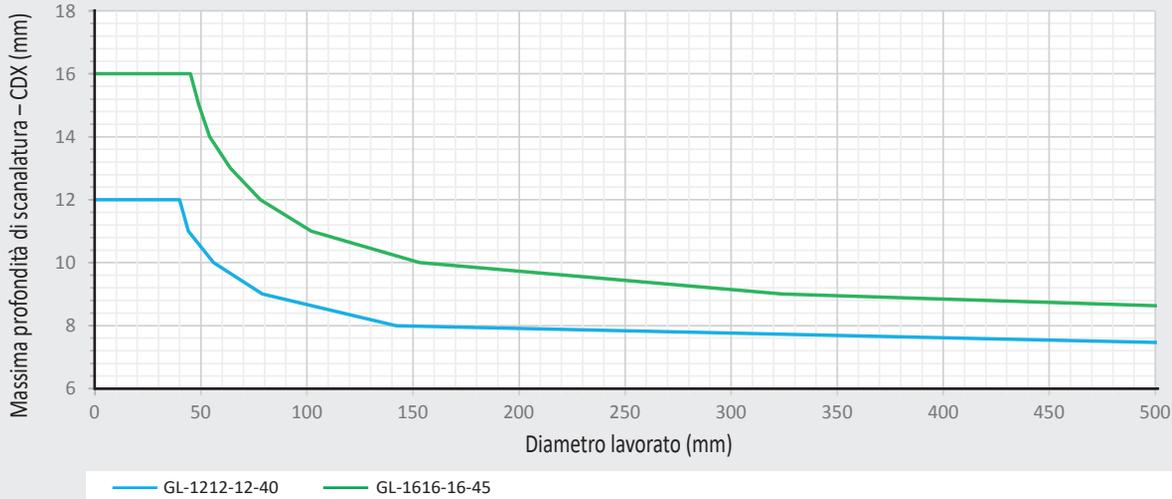
					
GL11	US 5018-T20P	5.0	M 5	18.2	LKT20P
GL15	SR 88026-T30P	5.0	M 8	26	LKT30P

PROFONDITÀ DI TAGLIO IN BASE AL DIAMETRO LAVORATO

GLAF(RL) EXT

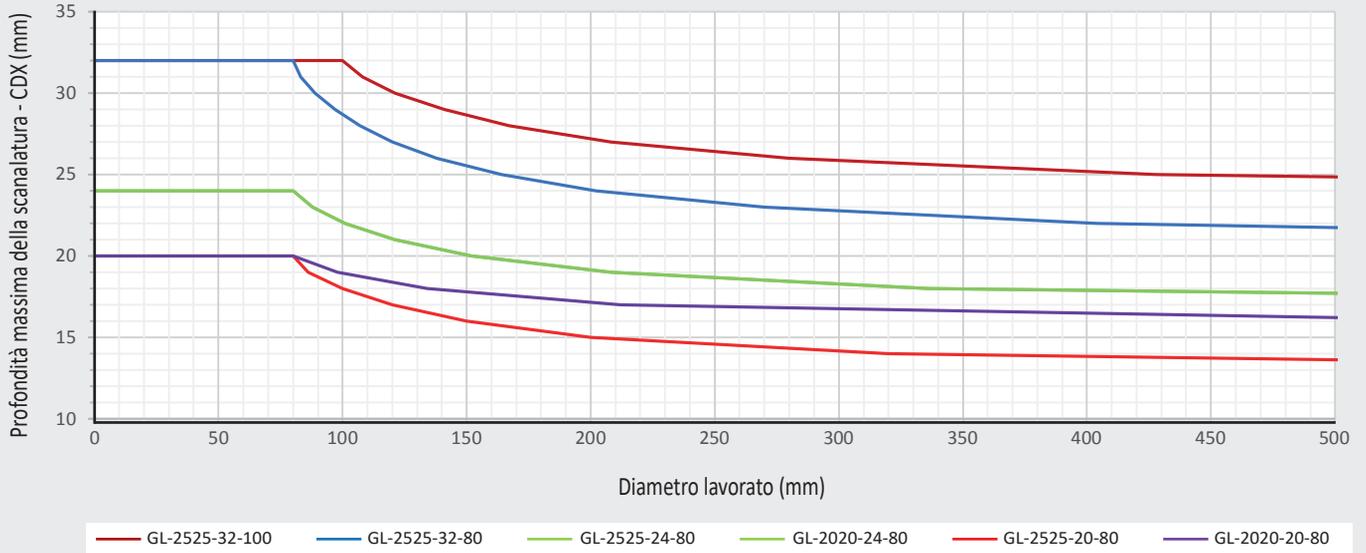


GLAF(RL) EXT-S

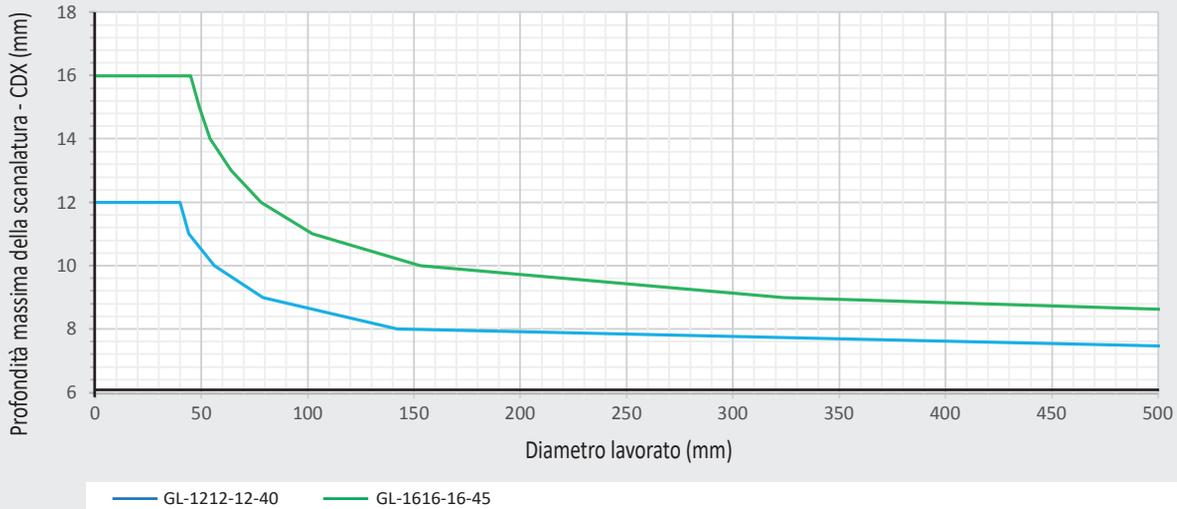


PROFONDITÀ DI TAGLIO IN BASE AL DIAMETRO LAVORATO

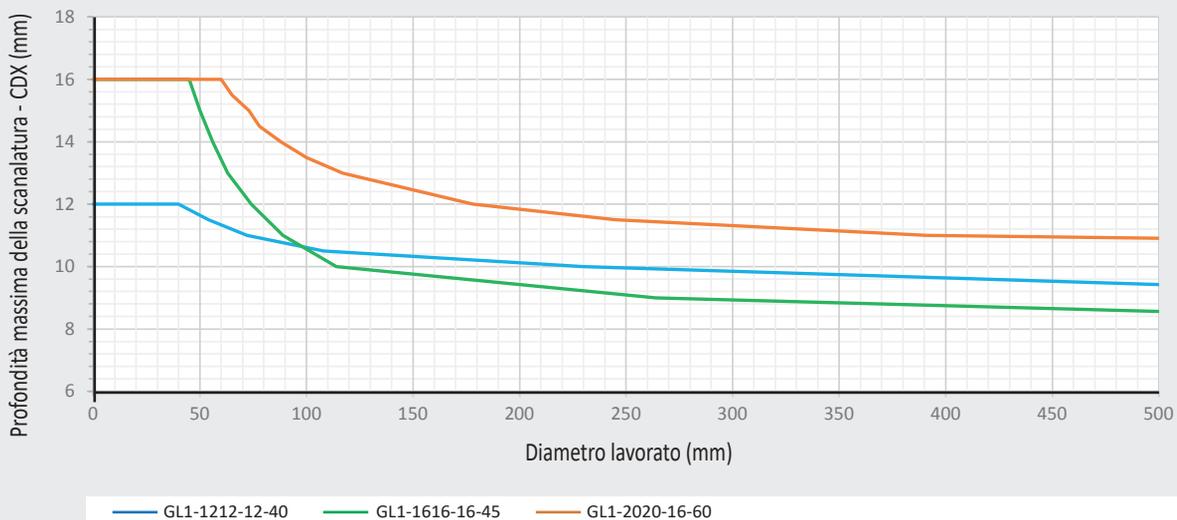
GLSF (RL) EXT



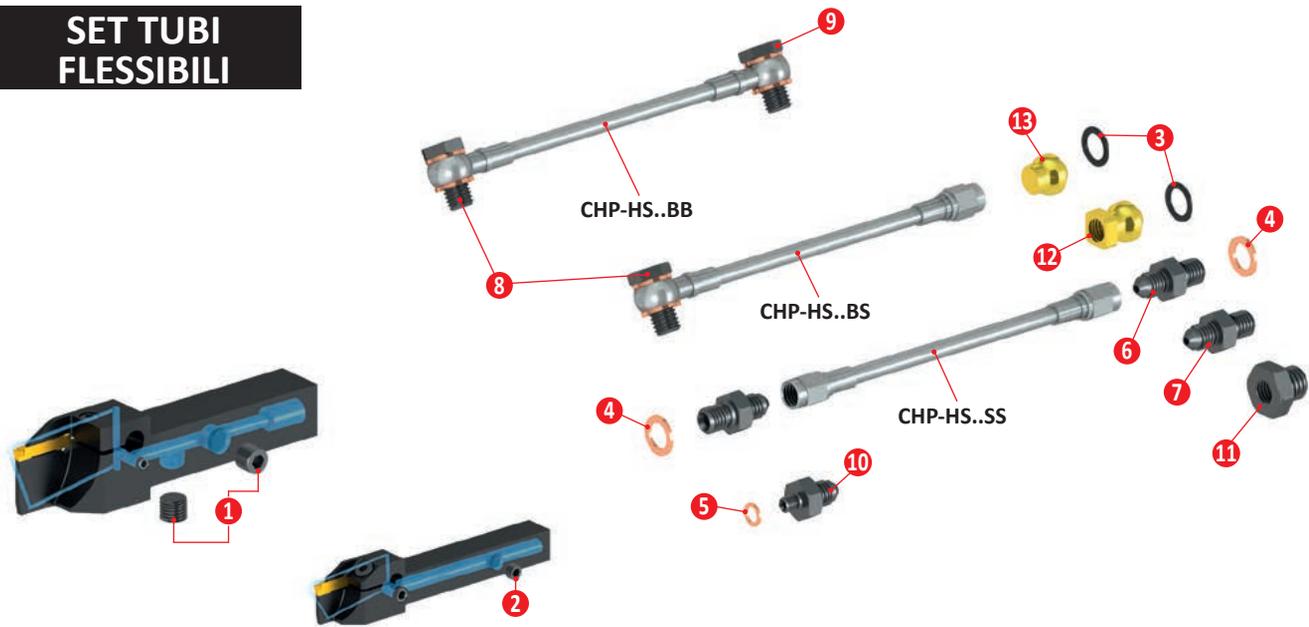
GLSF (RL) EXT-S



GL1



SET TUBI FLESSIBILI



lunghezza			
150 mm	CHP-HS150 SS	CHP-HS150 BS	CHP-HS150 BB
250 mm	CHP-HS250 SS	CHP-HS250 BS	CHP-HS250 BB
300 mm	CHP-HS300 SS	CHP-HS300 BS	CHP-HS300 BB

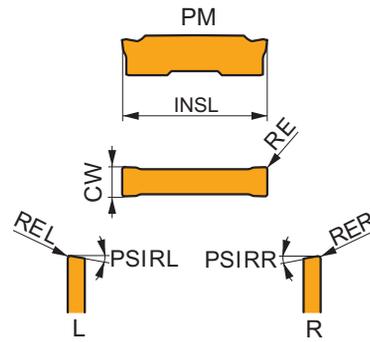
		Designazione			
1		Tappo G1/8"	CHP-P1/8	1 x	1 x
2		Tappo M6*	CHP-P6	–	–
3		O-ring	CHP-O10×1	2 x	2 x
4		Guarnizione in rame	CHP-G10	2 x	3 x
5		Guarnizione in rame*	CHP-G06	–	–
6		Connettore dritto G1/8"	CHP-CS1/8	2 x	1 x
7		Connettore dritto M10	CHP-CS10	1 x	–
8		Connettore banjo G1/8"	CHP-CB1/8	–	1 x
9		Connettore banjo M10	CHP-CB10	–	1 x
10		Riduzione da G1/8" a M6*	CHP-R1/8-6	–	–
11		Riduzione da G1/4" a G1/8"	CHP-R1/4-1/8	–	1 x
12		Ugello refrigerante G1/8"	CHP-PV1/8-12	1 x	1 x
13		Tappo ugello refrigerante	CHP-PV14	1 x	1 x

* incluso nel gambo dell'utensile 12×12

GL. D - PM

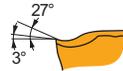


	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
150	1.50	-0.04	0.04	16.5
200	2.00	-0.05	0.05	25.0
250	2.55	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0



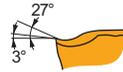
Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



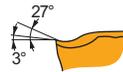
PM geometria con angolo di spoglia altamente positivo, scelta primaria per operazioni di troncatura, taglio leggermente interrotto.

GL1-D150M015-PM:G8330	●	0.1	130	0.05	75	0.05	120	0.05	390	0.06	30	0.04	-	-	-	-
GL2-D200M02-PM:G8330	●	0.2	130	0.08	75	0.07	120	0.08	390	0.10	30	0.06	-	-	-	-
GL2-D200M02-PM:T7325	●	0.2	150	0.08	115	0.07	140	0.08	-	-	45	0.06	-	-	-	-
GL3-D250G02-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	-	-
GL3-D300M02-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	-	-
GL3-D300M02-PM:T7325	●	0.2	150	0.10	115	0.09	140	0.10	-	-	45	0.07	-	-	-	-
GL4-D400M02-PM:G8330	●	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	-	-
GL4-D400M02-PM:T7325	●	0.2	150	0.12	115	0.11	140	0.12	-	-	45	0.10	-	-	-	-
GL5-D500M03-PM:G8330	●	0.3	130	0.15	75	0.14	120	0.15	390	0.18	30	0.12	-	-	-	-
GL6-D600M03-PM:G8330	●	0.3	130	0.15	75	0.14	120	0.15	390	0.18	30	0.12	-	-	-	-



R-PM geometria destra con angolo di spoglia altamente positivo, scelta primaria per operazioni di troncatura dei tubi e taglio continuo.

GL1-D150G015R06-PM:G8330	●	0.1	130	0.05	75	0.05	120	0.05	390	0.06	30	0.04	-	-	6	-
GL1-D150G015R12-PM:G8330	●	0.1	130	0.05	75	0.05	120	0.05	390	0.06	30	0.04	-	-	12	-
GL2-D200G02R06-PM:G8330	●	0.2	130	0.08	75	0.07	120	0.08	390	0.10	30	0.06	-	-	6	-
GL2-D200G02R06-PM:T7325	●	0.2	150	0.08	115	0.07	140	0.08	-	-	45	0.06	-	-	6	-
GL2-D200G02R12-PM:G8330	●	0.2	130	0.08	75	0.07	120	0.08	390	0.10	30	0.06	-	-	12	-
GL3-D300G02R06-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	6	-
GL3-D300G02R06-PM:T7325	●	0.2	150	0.10	115	0.09	140	0.10	-	-	45	0.07	-	-	6	-
GL3-D300G02R12-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	12	-
GL4-D400G02R06-PM:G8330	●	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	6	-
GL4-D400G02R06-PM:T7325	●	0.2	150	0.12	115	0.11	140	0.12	-	-	45	0.10	-	-	6	-
GL4-D400G02R12-PM:G8330	●	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	12	-



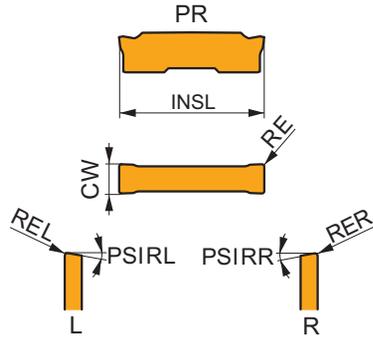
L-PM geometria sinistra con angolo di spoglia altamente positivo, scelta primaria per operazioni di troncatura dei tubi e taglio continuo.

GL1-D150G015L06-PM:G8330	●	0.1	130	0.05	75	0.05	120	0.05	390	0.06	30	0.04	-	-	-	6
GL1-D150G015L12-PM:G8330	●	0.1	130	0.05	75	0.05	120	0.05	390	0.06	30	0.04	-	-	-	12
GL2-D200G02L06-PM:G8330	●	0.2	130	0.08	75	0.07	120	0.08	390	0.10	30	0.06	-	-	-	6
GL2-D200G02L06-PM:T7325	●	0.2	150	0.08	115	0.07	140	0.08	-	-	45	0.06	-	-	-	6
GL2-D200G02L12-PM:G8330	●	0.2	130	0.08	75	0.07	120	0.08	390	0.10	30	0.06	-	-	-	12
GL3-D300G02L06-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	-	6
GL3-D300G02L06-PM:T7325	●	0.2	150	0.10	115	0.09	140	0.10	-	-	45	0.07	-	-	-	6
GL3-D300G02L12-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	-	12
GL4-D400G02L06-PM:G8330	●	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	-	6
GL4-D400G02L06-PM:T7325	●	0.2	150	0.12	115	0.11	140	0.12	-	-	45	0.10	-	-	-	6
GL4-D400G02L12-PM:G8330	●	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	-	12

GL. D - PR

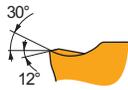


	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0



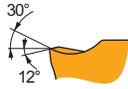
Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



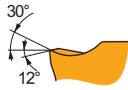
PR geometria con fascetta negativa di rinforzo, scelta primaria per operazioni di troncatura e scanalatura difficili, da taglio continuo a interrotto.

GL2-D200M02-PR:G8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-	-
GL2-D200M02-PR:T7325	0.2	150	0.10	115	0.09	140	0.10	-	-	-	-	-	-	-	-
GL3-D300M02-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	-	-	-
GL3-D300M02-PR:T7325	0.2	150	0.12	115	0.11	140	0.12	-	-	-	-	-	-	-	-
GL4-D400M02-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	-	-	-	-
GL4-D400M02-PR:T7325	0.2	150	0.15	115	0.14	140	0.15	-	-	-	-	-	-	-	-
GL5-D500M04-PR:G8330	0.4	130	0.18	75	0.16	120	0.18	-	-	-	-	-	-	-	-
GL6-D600M04-PR:G8330	0.4	130	0.18	75	0.16	120	0.18	-	-	-	-	-	-	-	-



R-PR geometria destra con fascetta negativa di rinforzo, scelta primaria per operazioni di troncatura di barre difficili, da taglio continuo a interrotto.

GL2-D200G02R06-PR:G8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	6	-
GL2-D200G02R12-PR:G8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	12	-
GL3-D300G02R06-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	6	-
GL3-D300G02R12-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	12	-
GL4-D400G02R06-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	6	-
GL4-D400G02R12-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	12	-



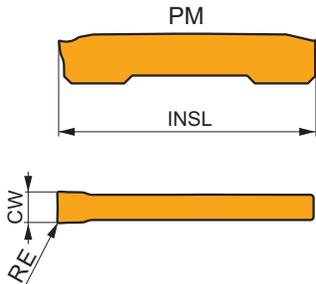
L-PR geometria sinistra con fascetta negativa di rinforzo, scelta primaria per operazioni di troncatura di barre difficili, da taglio continuo a interrotto.

GL2-D200G02L06-PR:G8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	6
GL2-D200G02L12-PR:G8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	12
GL3-D300G02L06-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	6
GL3-D300G02L12-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	12
GL4-D400G02L06-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	-	6
GL4-D400G02L12-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	-	12

GL. S - PM

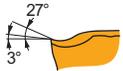


	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
300	3.00	-0.05	0.05	24.5
400	4.00	-0.05	0.05	24.3



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



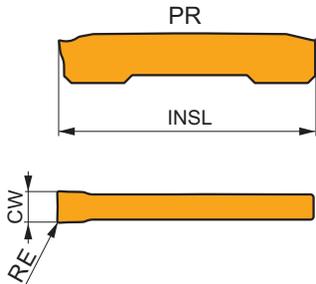
PM geometria con angolo di spoglia altamente positivo su inserto monolaterale, scelta primaria per operazioni di troncatura profonda, da taglio continuo a leggermente interrotto.

GL3-S300M02-PM:G8330	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	-	-
GL4-S400M02-PM:G8330	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	-	-

GL. S - PR

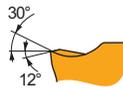


	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
300	3.00	-0.05	0.05	24.5
400	4.00	-0.05	0.05	24.3



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



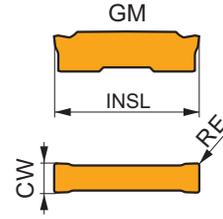
PR geometria con fascetta negativa di rinforzo su inserto monolaterale, scelta primaria per operazioni di scanalatura profonda e troncatura, da taglio continuo a interrotto.

GL3-S300M02-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	-	-	-
GL4-S400M02-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	-	-	-	-

GL. D - GM



	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0
800	8.00	-0.05	0.05	25.0



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc (m/min)	f (mm/rev)	ap (mm)															



GM geometria versatile per operazioni di scanalatura e tornitura longitudinale, taglio da continuo a interrotto.

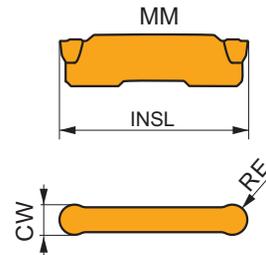
GL2-D200M02-GM:G8330	0.2	190	0.10	0.8	110	0.09	0.8	180	0.10	0.8	-	-	-	45	0.08	0.6	-	-	-
GL2-D200M02-GM:T7325	0.2	220	0.10	0.8	170	0.09	0.8	205	0.10	0.8	-	-	-	70	0.08	0.6	-	-	-
GL3-D300M02-GM:G8330	0.2	150	0.20	1.0	90	0.18	1.0	140	0.20	1.0	-	-	-	35	0.14	0.8	-	-	-
GL3-D300M02-GM:T7325	0.2	175	0.20	1.0	135	0.18	1.0	165	0.20	1.0	-	-	-	55	0.14	0.8	-	-	-
GL3-D300M04-GM:G8330	0.4	160	0.20	1.0	95	0.18	1.0	150	0.20	1.0	-	-	-	40	0.14	0.8	-	-	-
GL3-D300M04-GM:T7325	0.4	185	0.20	1.0	140	0.18	1.0	175	0.20	1.0	-	-	-	60	0.14	0.8	-	-	-
GL4-D400M04-GM:G8330	0.4	150	0.25	1.2	90	0.23	1.2	140	0.25	1.2	-	-	-	35	0.18	1.0	-	-	-
GL4-D400M04-GM:T7325	0.4	170	0.25	1.2	130	0.23	1.2	160	0.25	1.2	-	-	-	55	0.18	1.0	-	-	-
GL4-D400M08-GM:G8330	0.8	180	0.25	1.2	105	0.23	1.2	170	0.25	1.2	-	-	-	45	0.18	1.0	-	-	-
GL4-D400M08-GM:T7325	0.8	200	0.25	1.2	155	0.23	1.2	190	0.25	1.2	-	-	-	65	0.18	1.0	-	-	-
GL5-D500M08-GM:G8330	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.0	-	-	-
GL5-D500M08-GM:T7325	0.8	190	0.30	1.2	145	0.27	1.2	180	0.30	1.2	-	-	-	60	0.21	1.0	-	-	-
GL6-D600M08-GM:G8330	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.0	-	-	-
GL6-D600M08-GM:T7325	0.8	190	0.30	1.2	145	0.27	1.2	180	0.30	1.2	-	-	-	60	0.21	1.0	-	-	-
GL6-D800M08-GM:G8330 ¹⁾	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.2	-	-	-

¹⁾ Usable only in holders with CDX ≥ 24.

GL. D - MM



	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	26.0
600	6.00	-0.05	0.05	26.0



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc (m/min)	f (mm/rev)	ap (mm)															



MM geometria a testa sferica per operazioni di copiatura e tornitura longitudinale, da taglio continuo a interrotto.

GL2-D200MMO-MM:G8330	1.0	250	0.10	1.0	150	0.09	1.0	235	0.10	1.0	-	-	-	60	0.08	0.8	-	-	-
GL2-D200MMO-MM:T7325	1.0	285	0.10	1.0	220	0.09	1.0	270	0.10	1.0	-	-	-	90	0.08	0.8	-	-	-
GL3-D300MMO-MM:G8330	1.5	210	0.20	1.2	125	0.18	1.2	195	0.20	1.2	-	-	-	50	0.14	1.0	-	-	-
GL3-D300MMO-MM:T7325	1.5	240	0.20	1.2	185	0.18	1.2	225	0.20	1.2	-	-	-	75	0.14	1.0	-	-	-
GL4-D400MMO-MM:G8330	2.0	220	0.20	1.2	130	0.18	1.2	205	0.20	1.2	-	-	-	55	0.14	1.0	-	-	-
GL4-D400MMO-MM:T7325	2.0	250	0.20	1.2	195	0.18	1.2	235	0.20	1.2	-	-	-	80	0.14	1.0	-	-	-
GL5-D500MMO-MM:G8330	2.5	205	0.25	1.2	120	0.23	1.2	190	0.25	1.2	-	-	-	50	0.18	1.0	-	-	-
GL5-D500MMO-MM:T7325	2.5	235	0.25	1.2	180	0.23	1.2	220	0.25	1.2	-	-	-	75	0.18	1.0	-	-	-
GL6-D600MMO-MM:G8330	3.0	195	0.30	1.2	115	0.27	1.2	185	0.30	1.2	-	-	-	45	0.21	1.0	-	-	-
GL6-D600MMO-MM:T7325	3.0	220	0.30	1.2	170	0.27	1.2	205	0.30	1.2	-	-	-	70	0.21	1.0	-	-	-

LCM. – NAVIGATORE UTENSILI ESTERNI

SEDE INSERTO	0316	0416	0516	0616	0830
GFI(RL) EXT 16×16 32×25					
GFM(RL) EXT 20×20 32×25					
Larghezza di taglio (mm)	3	4	5	6	8
Troncatura profonda (inserto mono tagliente) 	 LCMR CM	 LCMR CM			
Troncatura (tubo / barra piena) 	 CM F	 CM F	 CM F	 CM F	 F
Scanalatura (profonda / poco profonda) 	 F M	 F M	 F M	 F M	 F
Tornitura (longitudinale) 	 F M	 F M	 F M	 F M	 F
Profilatura (multiassiale) 	 MP	 MP	 MP	 MP	 MP

GFI(RL) EXT

P
M
K
N
S
H

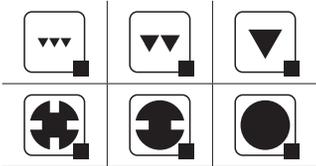
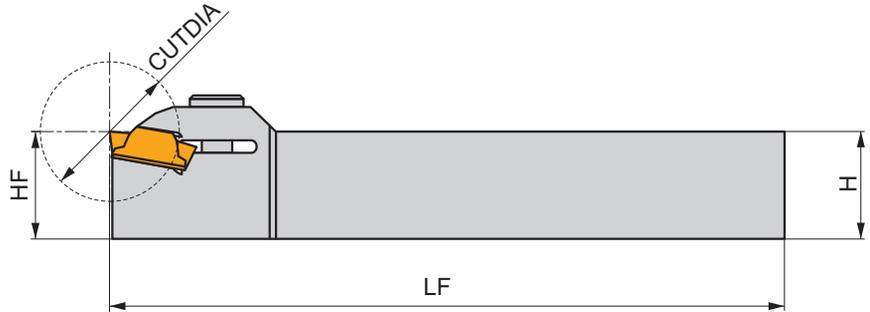
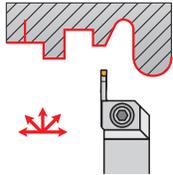
PRAMET

G



Utensile esterno per scanalatura e tornitura, staffa di bloccaggio a V, per inserti LCM

Utensile destro/sinistro per scanalatura esterna per inserti LCM.. Adatto per applicazioni di scanalatura esterna, profilatura, tornitura longitudinale e tronatura . Corpo trattato per una maggiore durata dell'utensile.



Product	Ξ	H	B	LF	CW	CUTDIA	kg		
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
R	GFIR 1616 H 03	16	16	16	100	3.00	18	0.22	GI136 GL03
	GFIR 2020 K 03	20	20	20	125	3.00	18	0.40	GI136 GL04
	GFIR 2525 M 03	25	25	25	150	3.00	18	0.73	GI136 GL05
	GFIR 1616 H 04	16	16	16	100	4.00	24	0.21	GI137 GL03
	GFIR 2020 K 04	20	20	20	125	4.00	24	0.39	GI137 GL04
	GFIR 2525 M 04	25	25	25	150	4.00	24	0.71	GI137 GL05
	GFIR 2020 K 05	20	20	20	125	5.00	28	0.38	GI138 GL04
	GFIR 2525 M 05	25	25	25	150	5.00	28	0.70	GI138 GL05
	GFIR 2020 K 06	20	20	20	125	6.00	28	0.38	GI139 GL04
	GFIR 2525 M 06	25	25	25	150	6.00	28	0.70	GI139 GL05
	GFIR 2525 M 08	25	25	25	150	8.00	48	0.74	GI193 GL09
	GFIR 3225 P 08	32	32	25	170	8.00	48	1.01	GI193 GL09
L	GFIL 1616 H 03	16	16	16	100	3.00	18	0.22	GI136 GL03
	GFIL 2020 K 03	20	20	20	125	3.00	18	0.39	GI136 GL04
	GFIL 2525 M 03	25	25	25	150	3.00	18	0.73	GI136 GL05
	GFIL 1616 H 04	16	16	16	100	4.00	24	0.20	GI137 GL03
	GFIL 2020 K 04	20	20	20	125	4.00	24	0.38	GI137 GL04
	GFIL 2525 M 04	25	25	25	150	4.00	24	0.71	GI137 GL05
	GFIL 2020 K 05	20	20	20	125	5.00	28	0.38	GI138 GL04
	GFIL 2525 M 05	25	25	25	150	5.00	28	0.71	GI138 GL05
	GFIL 2020 K 06	20	20	20	125	6.00	28	0.40	GI139 GL04
	GFIL 2525 M 06	25	25	25	150	6.00	28	0.70	GI139 GL05
	GFIL 2525 M 08	25	25	25	150	8.00	48	0.74	GI193 GL09
	GFIL 3225 P 08	32	32	25	170	8.00	48	1.02	GI193 GL09




GI136	LCM. 0316..
GI137	LCM. 0416..
GI138	LCM. 0516..
GI139	LCM. 0616..
GI193	LCM. 0830..

					
GL03	HS 0616C	6.0	M 6	16	HXX 5
GL04	HS 0620C	6.0	M 6	20	HXX 5
GL05	HS 0625C	6.0	M 6	25	HXX 5
GL09	HSI 1020	8.0	M 10	20	HXX 8

GFM(RL) EXT

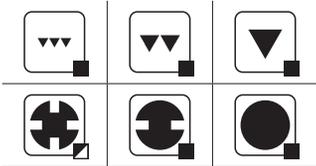
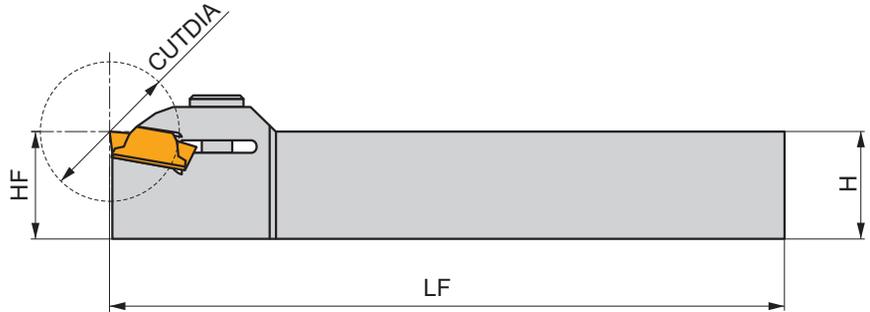
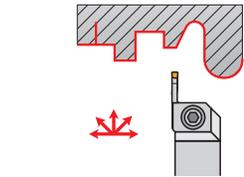


PRAMET



Utensile esterno per scanalatura e tornitura, staffa di bloccaggio a V, per inserti LCM

Utensile destro/sinistro per scanalatura esterna per inserti LCM.. Adatto per applicazioni di scanalatura esterna, profilatura, tornitura longitudinale e troncatura . Corpo trattato per una maggiore durata dell'utensile.



Product	⌀	H	B	LF	CW	CUTDIA	kg			
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)				
R	GFMR 2020 K 0316	20	20	20	125	3.00	30	0.37	GI136	GL04
	GFMR 2525 M 0316	25	25	25	150	3.00	30	0.68	GI136	GL04
	GFMR 2020 K 0416	20	20	20	125	4.00	40	0.37	GI137	GL04
	GFMR 2525 M 0416	25	25	25	150	4.00	40	0.67	GI137	GL04
	GFMR 2525 M 0516	25	25	25	150	5.00	50	0.65	GI138	GL04
	GFMR 3225 P 0516	32	32	25	170	5.00	50	0.96	GI138	GL04
	GFMR 2525 M 0616	25	25	25	150	6.00	60	0.66	GI139	GL04
	GFMR 3225 P 0616	32	32	25	170	6.00	60	0.95	GI139	GL04
	GFMR 3225 P 0830	32	32	25	170	8.00	80	0.97	GI193	GL10
L	GFML 2020 K 0316	20	20	20	125	3.00	30	0.36	GI136	GL04
	GFML 2525 M 0316	25	25	25	150	3.00	30	0.69	GI136	GL04
	GFML 2020 K 0416	20	20	20	125	4.00	40	0.37	GI137	GL04
	GFML 2525 M 0416	25	25	25	150	4.00	40	0.67	GI137	GL04
	GFML 2525 M 0516	25	25	25	150	5.00	50	0.66	GI138	GL04
	GFML 3225 P 0516	32	32	25	170	5.00	50	0.96	GI138	GL04
	GFML 2525 M 0616	25	25	25	150	6.00	60	0.64	GI139	GL04
	GFML 3225 P 0616	32	32	25	170	6.00	60	0.95	GI139	GL04
	GFML 3225 P 0830	32	32	25	170	8.00	80	0.97	GI193	GL10

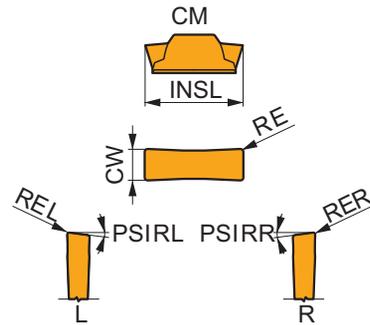
GI136		LCM. 0316..
GI137		LCM. 0416..
GI138		LCM. 0516..
GI139		LCM. 0616..
GI193		LCM. 0830..

GL04	HS 0620C	6.0	M 6	20	HXK 5
GL10	HSI 1020	8.0	M 10	20	HXK 8

LCMF 16 - CM

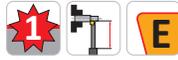
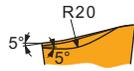


	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4
0516	5.00	-0.05	0.05	16.4
0616	6.00	-0.05	0.05	16.4



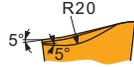
Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



CM geometria primaria per operazioni di troncatura e scanalatura, da taglio continuo a leggermente interrotto.

LCMF 031602-CM:T8330	● 0.2	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	-	-
LCMF 031604-CM:T8330	● 0.4	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	-	-
LCMF 041602-CM:T8330	● 0.2	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	-	-
LCMF 041604-CM:T8330	● 0.4	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	-	-
LCMF 051604-CM:T8330	● 0.4	■ 130	■ 0.11	■ 75	■ 0.11	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	-	-
LCMF 061604-CM:T8330	● 0.4	■ 130	■ 0.11	■ 75	■ 0.11	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	-	-



R-CM geometria destra, scelta primaria per operazione di troncatura, da taglio continuo a leggermente interrotto.

LCMF 031602R15-CM:T8330¹⁾	● 0.2	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	15	-
LCMF 031602R6-CM:T8330	● 0.2	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	6	-
LCMF 041602R15-CM:T8330¹⁾	● 0.2	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	15	-
LCMF 041602R6-CM:T8330	● 0.2	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	6	-



L-CM geometria sinistra, scelta primaria per operazioni di troncatura, da taglio continuo a leggermente interrotto.

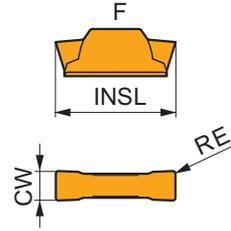
LCMF 031602L15-CM:T8330¹⁾	● 0.2	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	-	15
LCMF 031602L6-CM:T8330	● 0.2	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	-	6
LCMF 041602L15-CM:T8330¹⁾	● 0.2	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	-	15
LCMF 041602L6-CM:T8330	● 0.2	■ 130	■ 0.11	■ 75	■ 0.10	■ 120	■ 0.11	■ -	■ -	■ -	■ -	■ -	■ -	-	6

¹⁾ Toolholders have to be modified.

LCMF 16, LCMF 30 - F

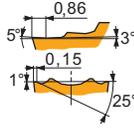


	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4
0516	5.00	-0.05	0.05	16.4
0616	6.00	-0.05	0.05	16.4
0830	8.00	-0.05	0.05	30.0



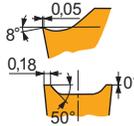
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc	f	ap															
		(m/min)	(mm/rev)	(mm)															



F geometria per operazioni di troncatura, scanalatura e tornitura frontale, adatto per lavorazioni leggere e finitura, da taglio continuo a leggermente interrotto.

LCMF 031602-F:T8330	0.2	195	0.10	0.3	115	0.09	0.3	185	0.10	0.3	-	-	-	-	-	-	-	-
LCMF 031604-F:T8330	0.4	200	0.10	0.5	120	0.09	0.5	190	0.10	0.5	-	-	-	-	-	-	-	-
LCMF 041604-F:T8330	0.4	185	0.13	0.5	110	0.12	0.5	175	0.13	0.5	-	-	-	-	-	-	-	-
LCMF 041604-F:T9325	0.4	275	0.13	0.5	165	0.12	0.5	260	0.13	0.5	-	-	-	-	-	-	-	-
LCMF 041608-F:T8330	0.8	205	0.13	1.0	120	0.12	1.0	190	0.13	1.0	-	-	-	-	-	-	-	-
LCMF 041608-F:T9325	0.8	305	0.13	1.0	180	0.12	1.0	285	0.13	1.0	-	-	-	-	-	-	-	-
LCMF 051608-F:T8330	0.8	195	0.15	1.0	115	0.14	1.0	185	0.15	1.0	-	-	-	-	-	-	-	-
LCMF 051608-F:T9325	0.8	285	0.15	1.0	170	0.14	1.0	270	0.15	1.0	-	-	-	-	-	-	-	-
LCMF 061608-F:T8330	0.8	190	0.17	1.0	110	0.15	1.0	180	0.17	1.0	-	-	-	-	-	-	-	-
LCMF 061608-F:T9325	0.8	270	0.17	1.0	160	0.15	1.0	255	0.17	1.0	-	-	-	-	-	-	-	-



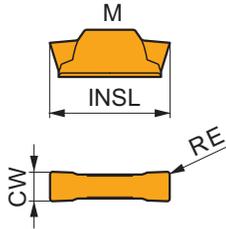
F geometria per operazioni di troncatura, scanalatura e tornitura frontale, adatto per lavorazioni leggere e finitura, da taglio continuo a leggermente interrotto.

LCMF 083008-F:T8330	0.8	175	0.25	1.0	105	0.23	1.0	165	0.25	1.0	-	-	-	-	-	-	-	-
LCMF 083012-F:T8330	1.2	170	0.25	1.5	100	0.23	1.5	160	0.25	1.5	-	-	-	-	-	-	-	-

LCMF 16 - M

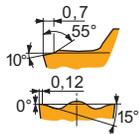


	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4
0516	5.00	-0.05	0.05	16.4
0616	6.00	-0.05	0.05	16.4



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc	f	ap															
		(m/min)	(mm/rev)	(mm)															



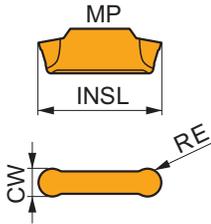
M geometria per operazioni di scanalatura e tornitura longitudinale, da taglio continuo a interrotto.

LCMF 031602-M:T8330	0.2	160	0.13	1.0	95	0.12	1.0	150	0.13	1.0	-	-	-	-	-	-	30	0.10	0.7
LCMF 031604-M:T8330	0.4	170	0.13	1.0	100	0.12	1.0	160	0.13	1.0	-	-	-	-	-	-	30	0.10	0.7
LCMF 041604-M:T8330	0.4	155	0.18	1.0	90	0.16	1.0	145	0.18	1.0	-	-	-	-	-	-	30	0.12	0.8
LCMF 041604-M:T9325	0.4	225	0.18	1.0	135	0.16	1.0	210	0.18	1.0	-	-	-	-	-	-	-	-	-
LCMF 041608-M:T8330	0.8	185	0.18	1.0	110	0.16	1.0	175	0.18	1.0	-	-	-	-	-	-	35	0.12	0.8
LCMF 041608-M:T9325	0.8	265	0.18	1.0	155	0.16	1.0	250	0.18	1.0	-	-	-	-	-	-	-	-	-
LCMF 051608-M:T8330	0.8	180	0.20	1.0	105	0.18	1.0	170	0.20	1.0	-	-	-	-	-	-	35	0.13	1.0
LCMF 051608-M:T9325	0.8	255	0.20	1.0	150	0.18	1.0	240	0.20	1.0	-	-	-	-	-	-	-	-	-
LCMF 061608-M:T8330	0.8	175	0.25	1.0	105	0.23	1.0	165	0.25	1.0	-	-	-	-	-	-	35	0.13	1.0
LCMF 061608-M:T9325	0.8	230	0.25	1.0	135	0.23	1.0	215	0.25	1.0	-	-	-	-	-	-	-	-	-

LCMF 16, LCMF 30 - MP

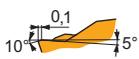


	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0316	3.00	-0.05	0.05	17.5
0416	4.00	-0.05	0.05	17.6
0516	5.00	-0.05	0.05	18.3
0616	6.00	-0.05	0.05	18.5
0830	8.00	-0.05	0.05	30.9



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc	f	ap															
		(m/min)	(mm/rev)	(mm)															



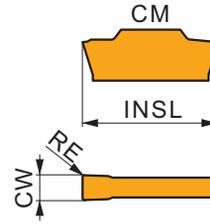
MP geometria per operazioni di tornitura longitudinale e copiatura, da taglio continuo a interrotto.

LCMF 0316MO-MP:T8330	1.5	190	0.30	0.8	110	0.27	0.8	180	0.30	0.8	-	-	-	-	-	-	-	-	-
LCMF 0416MO-MP:T8330	2.0	175	0.40	1.0	105	0.36	1.0	165	0.40	1.0	-	-	-	-	-	-	-	-	-
LCMF 0416MO-MP:T9325	2.0	220	0.40	1.0	130	0.36	1.0	205	0.40	1.0	-	-	-	-	-	-	-	-	-
LCMF 0516MO-MP:T8330	2.5	170	0.45	1.0	100	0.41	1.0	160	0.45	1.0	-	-	-	-	-	-	-	-	-
LCMF 0516MO-MP:T9325	2.5	205	0.45	1.0	120	0.41	1.0	190	0.45	1.0	-	-	-	-	-	-	-	-	-
LCMF 0616MO-MP:T8330	3.0	165	0.50	1.0	95	0.45	1.0	155	0.50	1.0	-	-	-	-	-	-	-	-	-
LCMF 0616MO-MP:T9325	3.0	200	0.50	1.0	120	0.45	1.0	190	0.50	1.0	-	-	-	-	-	-	-	-	-
LCMF 0830MO-MP:T8330	4.0	150	0.60	1.2	90	0.54	1.2	140	0.60	1.2	-	-	-	-	-	-	-	-	-

LCMR 16 - CM



	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



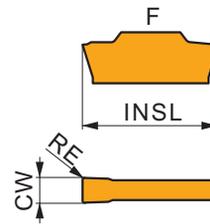
CM geometria primaria per operazioni di troncatura e scanalatura, da taglio continuo a leggermente interrotto.

LCMR 031602-CM:T8330	0.2	130	0.11	75	0.10	120	0.11	-	-	-	-	-	-	-	-
LCMR 041604-CM:T8330	0.4	130	0.11	75	0.10	120	0.11	-	-	-	-	-	-	-	-

LCMR 16, LCMR 30 - F

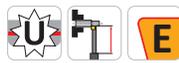
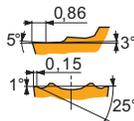


	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4
0516	5.00	-0.05	0.05	16.4
0616	6.00	-0.05	0.05	16.4



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc (m/min)	f (mm/rev)	ap (mm)															



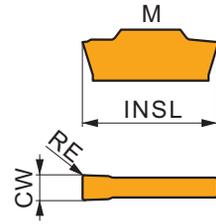
F geometria per operazioni di troncatura, scanalatura e tornitura longitudinale, adatto per lavorazioni leggere e finitura, da taglio continuo a leggermente interrotto.

LCMR 031604-F:T8330	0.4	200	0.10	0.5	120	0.09	0.5	190	0.10	0.5	-	-	-	-	-	-	-	-	-
LCMR 041604-F:T8330	0.4	185	0.13	0.5	110	0.12	0.5	175	0.13	0.5	-	-	-	-	-	-	-	-	-
LCMR 051604-F:T8330	0.4	180	0.15	0.5	105	0.14	0.5	170	0.15	0.5	-	-	-	-	-	-	-	-	-
LCMR 061608-F:T8330	0.8	190	0.17	1.0	110	0.15	1.0	180	0.17	1.0	-	-	-	-	-	-	-	-	-

LCMR 16 - M

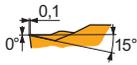
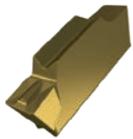


	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0316	3.00	-0.05	0.05	16.4
0416	4.00	-0.05	0.05	16.4
0516	5.00	-0.05	0.05	16.4
0616	6.00	-0.05	0.05	16.4



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc (m/min)	f (mm/rev)	ap (mm)															



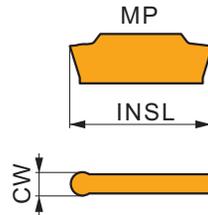
M geometria per operazioni di scanalatura e tornitura longitudinale, da taglio continuo a interrotto.

LCMR 031604-M:T8330	0.4	170	0.13	1.0	100	0.12	1.0	160	0.13	1.0	–	–	–	–	–	–	30	0.10	0.7
LCMR 041604-M:T8330	0.4	155	0.18	1.0	90	0.16	1.0	145	0.18	1.0	–	–	–	–	–	–	30	0.12	0.8
LCMR 051604-M:T8330	0.4	150	0.20	1.0	90	0.18	1.0	140	0.20	1.0	–	–	–	–	–	–	30	0.13	1.0
LCMR 061608-M:T8330	0.8	175	0.25	1.0	105	0.23	1.0	165	0.25	1.0	–	–	–	–	–	–	35	0.13	1.0

LCMR 16 - MP

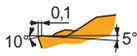


	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0316	3.00	-0.05	0.05	17.4
0416	4.00	-0.05	0.05	17.5
0516	5.00	-0.05	0.05	18.1
0616	6.00	-0.05	0.05	18.3



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc (m/min)	f (mm/rev)	ap (mm)															



MP geometria per operazioni di tornitura longitudinale e copiatura, da taglio continuo a interrotto.

LCMR 0316M0-MP:T8330	1.5	190	0.30	0.8	110	0.27	0.8	180	0.30	0.8	–	–	–	–	–	–	–	–	–
LCMR 0416M0-MP:T8330	2.0	175	0.40	1.0	105	0.36	1.0	165	0.40	1.0	–	–	–	–	–	–	–	–	–
LCMR 0516M0-MP:T8330	2.5	170	0.45	1.0	100	0.41	1.0	160	0.45	1.0	–	–	–	–	–	–	–	–	–
LCMR 0616M0-MP:T8330	3.0	165	0.50	1.0	95	0.45	1.0	155	0.50	1.0	–	–	–	–	–	–	–	–	–

GL – NAVIGATORE LAME E ACCESSORI

SEDE INSERTO	GL1	GL2	GL3	GL4	GL5	GL6	
Lame H = 26; 32 mm NEW Lame MS	 CDX 16mm NEW	 CDX 35-50mm	 CDX 35-50mm	 CDX 50mm	 CDX 60mm	 CDX 60mm	
Larghezza di taglio (mm) NEW Troncatura profonda (inserto mono tagliente)	1.5	2	3 (2.5)	4	5	6	8
 Troncatura (tubo / barra piena)	 NEW		 CW = 2.5 / 3				
Scanalatura (profonda / poco profonda)							 NEW
	PM	PM PR	PM PR	PM PR	PM PR	PM PR	PM PR
		PR GM	PR GM	PR GM	PR GM	PR GM	PR GM GM



MS-EN

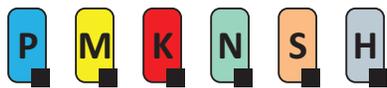


DU, D

- Utensile modulare
- Dimensioni stelo:
20 × 20, 25 × 25, 32 × 32 mm

- Blocco porta lama
- Dimensioni stelo:
20 × 20, 25 × 23, 25 × 32, 32 × 29, 25 × 30 mm

GLS B

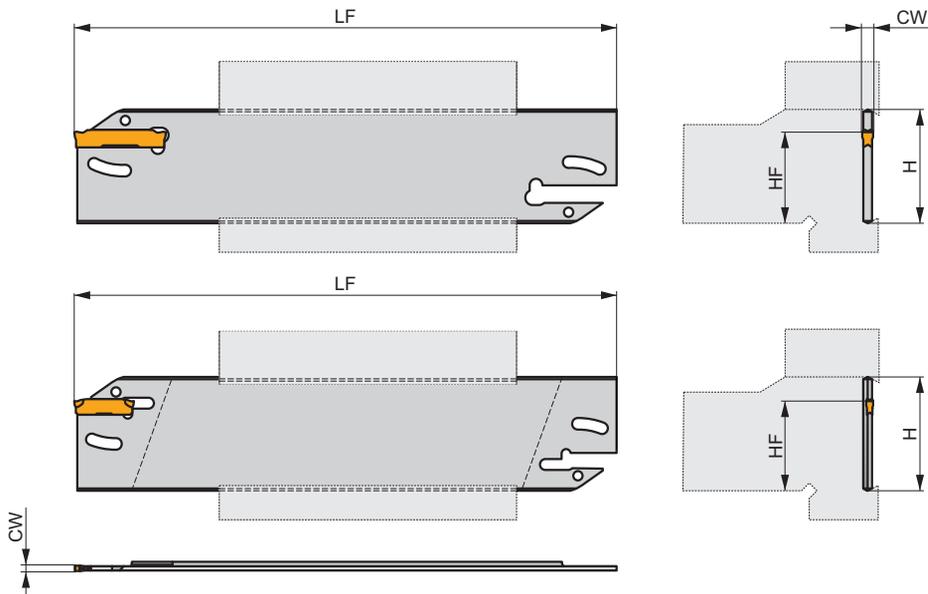
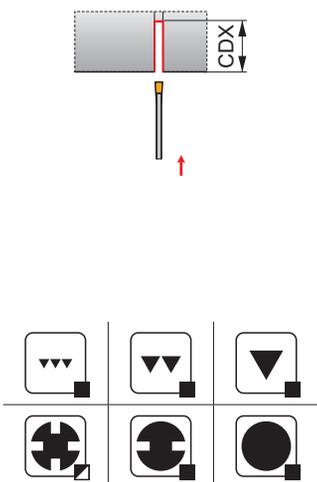


PRAMET



Lama da troncatura e scanalatura a doppio lato per inserti GL

Lama per inserti GL, adatta per applicazioni di troncatura e scanalatura. Sostituzione facile degli inserti con chiave specifica (inclusa nel pacchetto). Può essere montata nel blocco porta utensile DU, D. Corpo trattato per una maggiore vita utensile.



Product	HF	H	LF	CW	CDX	kg			
	(mm)	(mm)	(mm)	(mm)	(mm)				
R GL1-S26KBR-16	21.4	26	125	1.50	16	0.05	G1333	KV2	
	GL1-S32MBR-16	32	32	150	1.50	16	0.07	G1333	KV2
L GL1-S26KBL-16	21.4	26	125	1.50	16	0.05	G1333	KV2	
	GL1-S32MBL-16	32	32	150	1.50	16	0.07	G1333	KV2
N	GL2-S26KB	21.4	26	125	2.00	35	0.13	G1334	KV2
	GL2-S32MB	25	32	150	2.00	50	0.15	G1334	KV2
	GL3-S26KB	21.4	26	125	3.00	35	0.15	G1335	KV2
	GL3-S32MB	25	32	150	3.00	50	0.15	G1335	KV2
	GL4-S32MB	25	32	150	4.00	50	0.19	G1336	KV2
	GL5-S32MB	25	32	150	5.00	60	0.22	G1337	KV2
GL6-S32MB	25	32	150	6.00	60	0.25	G1338	KV2	

G1333	GL1..
G1334	GL2..
G1335	GL3..
G1336	GL4..
G1337	GL5..
G1338	GL6-D600..
	GL6-D800..

KV2	KV 15x150

GLS BS

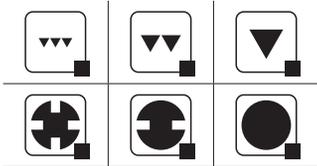
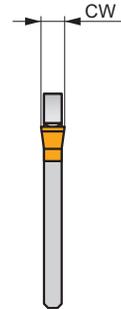
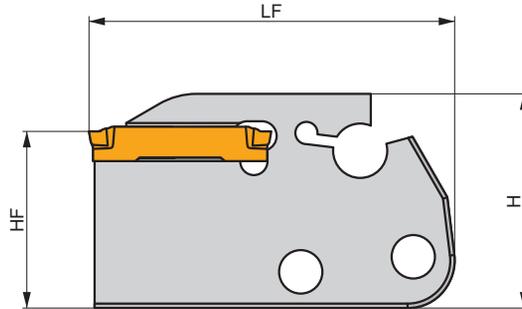
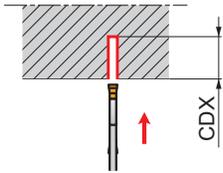


PRAMET



Lama da troncatura e scanalatura per inserti GL, per portautensile MS-EN

Lama per portautensile modulare MS-EN, progettata per inserti GL. Adatta per applicazioni di troncatura e scanalatura. Lame trattate per una maggiore vita utensile.



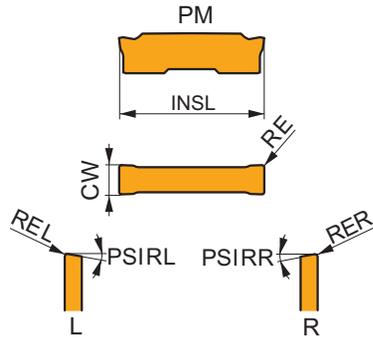
Product	≡	≡	LF	CW	CDX	kg	
	(mm)	(mm)	(mm)	(mm)	(mm)		
GL2-S29CBS	24	29	50	2.00	24	0.01	G1334
GL3-S29CBS	24	29	50	3.00	24	0.02	G1335
GL4-S29CBS	24	29	50	4.00	24	0.02	G1336
GL5-S29CBS	24	29	50	5.00	24	0.03	G1337
GL6-S29CBS	24	29	50	6.00	24	0.04	G1338

G1334	GL2..	-
G1335	GL3..	-
G1336	GL4..	-
G1337	GL5..	-
G1338	GL6-D600..	GL6-D800..

GL. D - PM

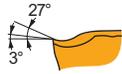


	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
150	1.50	-0.04	0.04	16.5
200	2.00	-0.05	0.05	25.0
250	2.55	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0



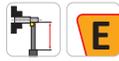
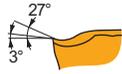
Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



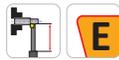
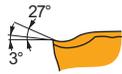
PM geometria con angolo di spoglia altamente positivo, scelta primaria per operazioni di troncatura, taglio leggermente interrotto.

GL1-D150M015-PM:G8330	●	0.1	130	0.05	75	0.05	120	0.05	390	0.06	30	0.04	-	-	-	-
GL2-D200M02-PM:G8330	●	0.2	130	0.08	75	0.07	120	0.08	390	0.10	30	0.06	-	-	-	-
GL2-D200M02-PM:T7325	●	0.2	150	0.08	115	0.07	140	0.08	-	-	45	0.06	-	-	-	-
GL3-D250G02-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	-	-
GL3-D300M02-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	-	-
GL3-D300M02-PM:T7325	●	0.2	150	0.10	115	0.09	140	0.10	-	-	45	0.07	-	-	-	-
GL4-D400M02-PM:G8330	●	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	-	-
GL4-D400M02-PM:T7325	●	0.2	150	0.12	115	0.11	140	0.12	-	-	45	0.10	-	-	-	-
GL5-D500M03-PM:G8330	●	0.3	130	0.15	75	0.14	120	0.15	390	0.18	30	0.12	-	-	-	-
GL6-D600M03-PM:G8330	●	0.3	130	0.15	75	0.14	120	0.15	390	0.18	30	0.12	-	-	-	-



R-PM geometria destra con angolo di spoglia altamente positivo, scelta primaria per operazioni di troncatura dei tubi e taglio continuo.

GL1-D150G015R06-PM:G8330	●	0.1	130	0.05	75	0.05	120	0.05	390	0.06	30	0.04	-	-	6	-
GL1-D150G015R12-PM:G8330	●	0.1	130	0.05	75	0.05	120	0.05	390	0.06	30	0.04	-	-	12	-
GL2-D200G02R06-PM:G8330	●	0.2	130	0.08	75	0.07	120	0.08	390	0.10	30	0.06	-	-	6	-
GL2-D200G02R06-PM:T7325	●	0.2	150	0.08	115	0.07	140	0.08	-	-	45	0.06	-	-	6	-
GL2-D200G02R12-PM:G8330	●	0.2	130	0.08	75	0.07	120	0.08	390	0.10	30	0.06	-	-	12	-
GL3-D300G02R06-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	6	-
GL3-D300G02R06-PM:T7325	●	0.2	150	0.10	115	0.09	140	0.10	-	-	45	0.07	-	-	6	-
GL3-D300G02R12-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	12	-
GL4-D400G02R06-PM:G8330	●	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	6	-
GL4-D400G02R06-PM:T7325	●	0.2	150	0.12	115	0.11	140	0.12	-	-	45	0.10	-	-	6	-
GL4-D400G02R12-PM:G8330	●	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	12	-



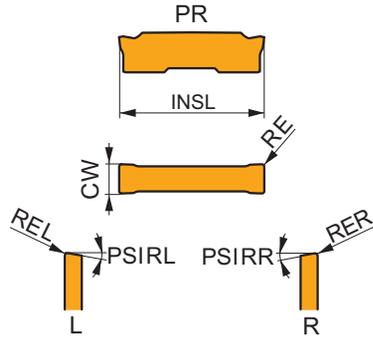
L-PM geometria sinistra con angolo di spoglia altamente positivo, scelta primaria per operazioni di troncatura dei tubi e taglio continuo.

GL1-D150G015L06-PM:G8330	●	0.1	130	0.05	75	0.05	120	0.05	390	0.06	30	0.04	-	-	-	6
GL1-D150G015L12-PM:G8330	●	0.1	130	0.05	75	0.05	120	0.05	390	0.06	30	0.04	-	-	-	12
GL2-D200G02L06-PM:G8330	●	0.2	130	0.08	75	0.07	120	0.08	390	0.10	30	0.06	-	-	-	6
GL2-D200G02L06-PM:T7325	●	0.2	150	0.08	115	0.07	140	0.08	-	-	45	0.06	-	-	-	6
GL2-D200G02L12-PM:G8330	●	0.2	130	0.08	75	0.07	120	0.08	390	0.10	30	0.06	-	-	-	12
GL3-D300G02L06-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	-	6
GL3-D300G02L06-PM:T7325	●	0.2	150	0.10	115	0.09	140	0.10	-	-	45	0.07	-	-	-	6
GL3-D300G02L12-PM:G8330	●	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	-	12
GL4-D400G02L06-PM:G8330	●	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	-	6
GL4-D400G02L06-PM:T7325	●	0.2	150	0.12	115	0.11	140	0.12	-	-	45	0.10	-	-	-	6
GL4-D400G02L12-PM:G8330	●	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	-	12

GL. D - PR

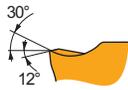


	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0



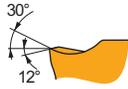
Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



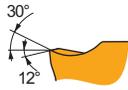
PR geometria con fascetta negativa di rinforzo, scelta primaria per operazioni di troncatura e scanalatura difficili, da taglio continuo a interrotto.

GL2-D200M02-PR:G8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-	-
GL2-D200M02-PR:T7325	0.2	150	0.10	115	0.09	140	0.10	-	-	-	-	-	-	-	-
GL3-D300M02-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	-	-	-
GL3-D300M02-PR:T7325	0.2	150	0.12	115	0.11	140	0.12	-	-	-	-	-	-	-	-
GL4-D400M02-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	-	-	-	-
GL4-D400M02-PR:T7325	0.2	150	0.15	115	0.14	140	0.15	-	-	-	-	-	-	-	-
GL5-D500M04-PR:G8330	0.4	130	0.18	75	0.16	120	0.18	-	-	-	-	-	-	-	-
GL6-D600M04-PR:G8330	0.4	130	0.18	75	0.16	120	0.18	-	-	-	-	-	-	-	-



R-PR geometria destra con fascetta negativa di rinforzo, scelta primaria per operazioni di troncatura di barre difficili, da taglio continuo a interrotto.

GL2-D200G02R06-PR:G8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	6	-
GL2-D200G02R12-PR:G8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	12	-
GL3-D300G02R06-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	6	-
GL3-D300G02R12-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	12	-
GL4-D400G02R06-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	6	-
GL4-D400G02R12-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	12	-



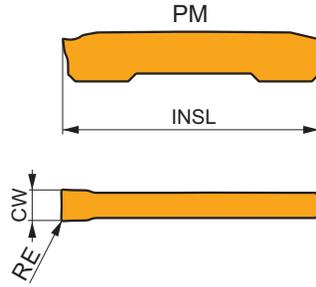
L-PR geometria sinistra con fascetta negativa di rinforzo, scelta primaria per operazioni di troncatura di barre difficili, da taglio continuo a interrotto.

GL2-D200G02L06-PR:G8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	6
GL2-D200G02L12-PR:G8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	12
GL3-D300G02L06-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	6
GL3-D300G02L12-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	12
GL4-D400G02L06-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	-	6
GL4-D400G02L12-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	-	12

GL. S - PM

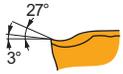


	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
300	3.00	-0.05	0.05	24.5
400	4.00	-0.05	0.05	24.3



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



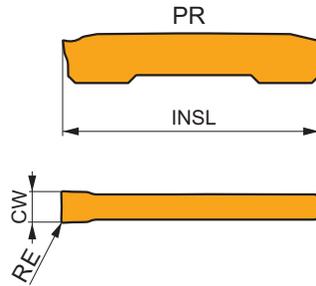
PM geometria con angolo di spoglia altamente positivo su inserto monolaterale, scelta primaria per operazioni di troncatura profonda, da taglio continuo a leggermente interrotto.

GL3-S300M02-PM:G8330	0.2	130	0.10	75	0.09	120	0.10	390	0.12	30	0.07	-	-	-	-
GL4-S400M02-PM:G8330	0.2	130	0.12	75	0.11	120	0.12	390	0.14	30	0.10	-	-	-	-

GL. S - PR

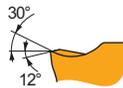


	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
300	3.00	-0.05	0.05	24.5
400	4.00	-0.05	0.05	24.3



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



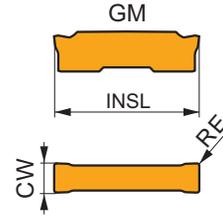
PR geometria con fascetta negativa di rinforzo su inserto monolaterale, scelta primaria per operazioni di scanalatura profonda e troncatura, da taglio continuo a interrotto.

GL3-S300M02-PR:G8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	-	-	-
GL4-S400M02-PR:G8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	-	-	-	-

GL. D - GM



	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0
800	8.00	-0.05	0.05	25.0



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc	f	ap															
		(m/min)	(mm/rev)	(mm)															



GM geometria versatile per operazioni di scanalatura e tornitura longitudinale, taglio da continuo a interrotto.

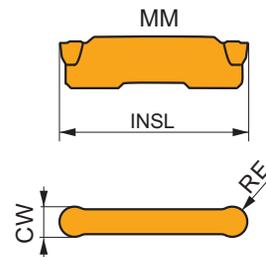
GL2-D200M02-GM:G8330	0.2	190	0.10	0.8	110	0.09	0.8	180	0.10	0.8	-	-	-	45	0.08	0.6	-	-	-
GL2-D200M02-GM:T7325	0.2	220	0.10	0.8	170	0.09	0.8	205	0.10	0.8	-	-	-	70	0.08	0.6	-	-	-
GL3-D300M02-GM:G8330	0.2	150	0.20	1.0	90	0.18	1.0	140	0.20	1.0	-	-	-	35	0.14	0.8	-	-	-
GL3-D300M02-GM:T7325	0.2	175	0.20	1.0	135	0.18	1.0	165	0.20	1.0	-	-	-	55	0.14	0.8	-	-	-
GL3-D300M04-GM:G8330	0.4	160	0.20	1.0	95	0.18	1.0	150	0.20	1.0	-	-	-	40	0.14	0.8	-	-	-
GL3-D300M04-GM:T7325	0.4	185	0.20	1.0	140	0.18	1.0	175	0.20	1.0	-	-	-	60	0.14	0.8	-	-	-
GL4-D400M04-GM:G8330	0.4	150	0.25	1.2	90	0.23	1.2	140	0.25	1.2	-	-	-	35	0.18	1.0	-	-	-
GL4-D400M04-GM:T7325	0.4	170	0.25	1.2	130	0.23	1.2	160	0.25	1.2	-	-	-	55	0.18	1.0	-	-	-
GL4-D400M08-GM:G8330	0.8	180	0.25	1.2	105	0.23	1.2	170	0.25	1.2	-	-	-	45	0.18	1.0	-	-	-
GL4-D400M08-GM:T7325	0.8	200	0.25	1.2	155	0.23	1.2	190	0.25	1.2	-	-	-	65	0.18	1.0	-	-	-
GL5-D500M08-GM:G8330	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.0	-	-	-
GL5-D500M08-GM:T7325	0.8	190	0.30	1.2	145	0.27	1.2	180	0.30	1.2	-	-	-	60	0.21	1.0	-	-	-
GL6-D600M08-GM:G8330	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.0	-	-	-
GL6-D600M08-GM:T7325	0.8	190	0.30	1.2	145	0.27	1.2	180	0.30	1.2	-	-	-	60	0.21	1.0	-	-	-
GL6-D800M08-GM:G8330 ¹⁾	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.2	-	-	-

¹⁾ Usable only in holders with CDX ≥ 24.

GL. D - MM



	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	26.0
600	6.00	-0.05	0.05	26.0



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc	f	ap															
		(m/min)	(mm/rev)	(mm)															

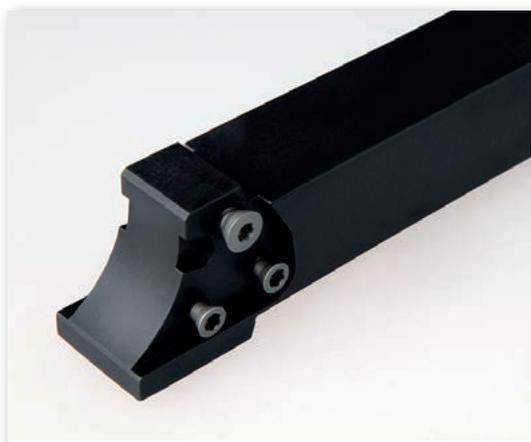


MM geometria a testa sferica per operazioni di copiatura e tornitura longitudinale, da taglio continuo a interrotto.

GL2-D200MMO-MM:G8330	1.0	250	0.10	1.0	150	0.09	1.0	235	0.10	1.0	-	-	-	60	0.08	0.8	-	-	-
GL2-D200MMO-MM:T7325	1.0	285	0.10	1.0	220	0.09	1.0	270	0.10	1.0	-	-	-	90	0.08	0.8	-	-	-
GL3-D300MMO-MM:G8330	1.5	210	0.20	1.2	125	0.18	1.2	195	0.20	1.2	-	-	-	50	0.14	1.0	-	-	-
GL3-D300MMO-MM:T7325	1.5	240	0.20	1.2	185	0.18	1.2	225	0.20	1.2	-	-	-	75	0.14	1.0	-	-	-
GL4-D400MMO-MM:G8330	2.0	220	0.20	1.2	130	0.18	1.2	205	0.20	1.2	-	-	-	55	0.14	1.0	-	-	-
GL4-D400MMO-MM:T7325	2.0	250	0.20	1.2	195	0.18	1.2	235	0.20	1.2	-	-	-	80	0.14	1.0	-	-	-
GL5-D500MMO-MM:G8330	2.5	205	0.25	1.2	120	0.23	1.2	190	0.25	1.2	-	-	-	50	0.18	1.0	-	-	-
GL5-D500MMO-MM:T7325	2.5	235	0.25	1.2	180	0.23	1.2	220	0.25	1.2	-	-	-	75	0.18	1.0	-	-	-
GL6-D600MMO-MM:G8330	3.0	195	0.30	1.2	115	0.27	1.2	185	0.30	1.2	-	-	-	45	0.21	1.0	-	-	-
GL6-D600MMO-MM:T7325	3.0	220	0.30	1.2	170	0.27	1.2	205	0.30	1.2	-	-	-	70	0.21	1.0	-	-	-

LFMX – NAVIGATORE LAME E ACCESSORI

SEDE INSERTO	1.60	2.00	3.00	4.00	5.00	6.35
XLCFN B Lame H = 26 mm H = 32; 45 mm						
XLCF(NRL) BS Lame MS						
Larghezza di taglio (mm)	1.5/1.6	2.0/2.2	3.1	4.1	5.1	6.35
Inserti di troncatura (affilati / con rinforzo del tagliente)	 F1 F2	 F1 F2 M2	 F1 F2 M2	 F1 F2 M2	 F2	 F2



MS-EN

- Utensile modulare
- Dimensioni stelo: 20 × 20, 25 × 25, 32 × 32 mm



DU, D

- Blocco porta lama
- Dimensioni stelo: 20 × 20, 25 × 23, 25 × 32, 32 × 29, 25 × 30 mm



XLCFN B

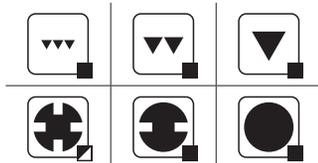
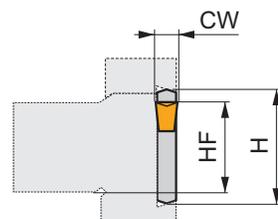
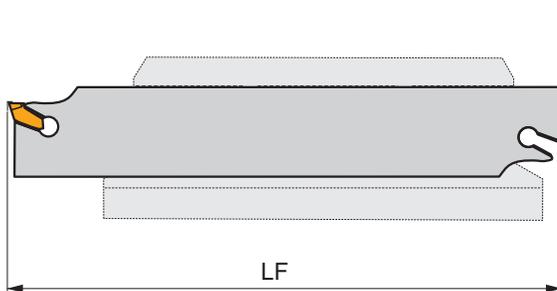
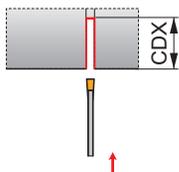


PRAMET



Lama da troncatura a doppio lato per inserti LFMX

Lama di troncatura per inserti LFMX mono-taglienti. Può essere alloggiata nei supporti base DU Pramet. Lama trattata per una maggiore durata.



Product	Ξ	H	Ξ	CW	CDX	kg		
	(mm)	(mm)	(mm)	(mm)	(mm)			
N XLCFN 2601 J 1.60	21.4	26	110	1.50	15	0.06	GI132	KV
XLCFN 2601 J 2.00	21.4	26	110	2.00	25	0.07	GI061	KV
XLCFN 2602 J 3.00	21.4	26	110	3.10	37.5	0.08	GI001	KV
XLCFN 2603 J 4.00	21.4	26	110	4.10	40	0.10	GI002	KV
XLCFN 3201 M 1.60	25	32	150	1.50	15	0.11	GI132	KV
XLCFN 3201 M 2.00	25	32	150	2.00	25	0.11	GI061	KV
XLCFN 3202 M 3.00	25	32	150	3.10	50	0.08	GI001	KV
XLCFN 3203 M 4.00	25	32	150	4.10	50	0.14	GI002	KV
XLCFN 3204 M 5.00	25	32	150	5.10	60	0.18	GI004	KV
XLCFN 3205 M 6.35	25	32	150	6.35	60	0.21	GI005	KV
XLCFN 4502 S 3.00	32	45	250	3.10	80	0.25	GI001	KV
XLCFN 4503 S 4.00	32	45	250	4.10	80	0.33	GI002	KV
XLCFN 4504 S 5.00	32	45	250	5.10	80	0.41	GI004	KV
XLCFN 4505 S 6.35	32	45	250	6.35	80	0.48	GI005	KV

GI001	LFMX 3.1-	-
GI002	LFMX 4.1-	-
GI004	LFMX 5.1-	-
GI005	LFMX 6.35-	-
GI061	LFMX 2.0-	LFMX 2.2-
GI132	LFMX 1.5-	LFMX 1.6-

KV	KV 5x70

XLCF(NRL) BS

P
M
K
N
S
H

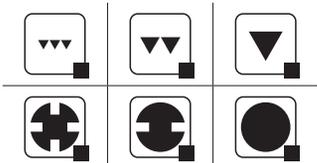
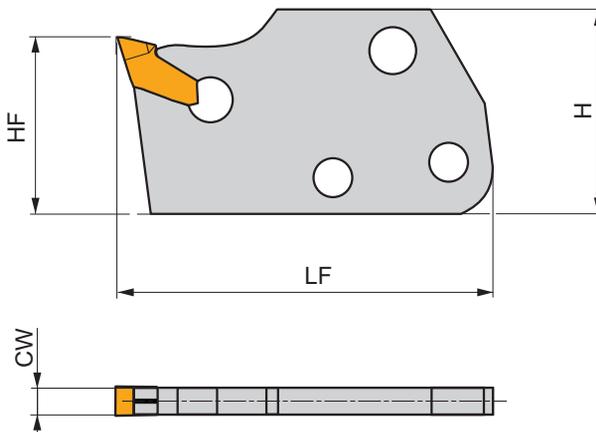
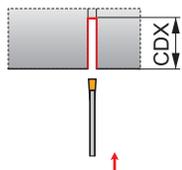
PRAMET

X



Lama per scanalature radiali per utensile modulare MS-EN e inserti LFMX

Lama modulare per scanalatura con inserti mono-taglienti LFMX. Adatta per applicazioni di scanalatura o troncatura (profondità massima di taglio 25 mm). Lame trattate per una maggiore durata.



Product	Ξ	Ξ	LF	CW	CDX	kg			
	(mm)	(mm)	(mm)	(mm)	(mm)				
R	XLCFR 160115-1.60	12	25	35	1.50	15	0.03	GI132	KV
	XLCFR 160115-2.00	12	25	35	2.00	15	0.01	GI061	KV
	XLCFR 250115-1.60	24	29	40	1.50	15	0.01	GI132	KV
	XLCFR 250115-2.00	24	29	40	2.00	15	0.05	GI061	KV
L	XLCFL 160115-1.60	12	25	35	1.50	15	0.03	GI132	KV
	XLCFL 160115-2.00	12	25	35	2.00	15	0.04	GI061	KV
	XLCFL 250115-1.60	24	29	40	1.50	15	0.04	GI132	KV
	XLCFL 250115-2.00	24	29	40	2.00	15	0.05	GI061	KV
N	XLCFN 160215-3.00	12	25	35	3.10	15	0.01	GI001	KV
	XLCFN 160220-3.00	12	25	40	3.10	20	0.04	GI001	KV
	XLCFN 250215-3.00	24	29	40	3.10	15	0.04	GI001	KV
	XLCFN 250225-3.00	24	29	50	3.10	25	0.02	GI001	KV
	XLCFN 250315-4.00	24	29	40	4.10	15	0.04	GI002	KV
	XLCFN 250325-4.00	24	29	50	4.10	25	0.04	GI002	KV
	XLCFN 250425-5.00	24	29	50	5.10	25	0.04	GI004	KV
XLCFN 250525-6.35	24	29	50	6.35	25	0.07	GI005	KV	

GI001	LFMX 3.1-	-
GI002	LFMX 4.1-	-
GI004	LFMX 5.1-	-
GI005	LFMX 6.35-	-
GI061	LFMX 2.0-	LFMX 2.2-
GI132	LFMX 1.5-	LFMX 1.6-

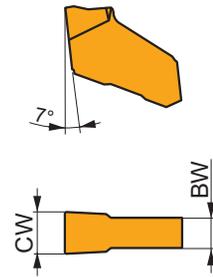
KV	KV 5x70



LFMX - F1



	CW	CWTOLL	CWTOLU	BW
	(mm)	(mm)	(mm)	(mm)
1.5	1.50	-0.03	0.03	1.30
1.6	1.60	-0.03	0.03	1.30
2.0	2.00	-0.03	0.03	1.60
3.1	3.10	-0.04	0.04	2.60
4.1	4.10	-0.04	0.04	3.60



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



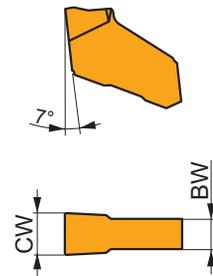
F1 eN-geometria per operazioni di troncatura e scanalatura, taglio continuo.

LFMX 1.5-.16ENF1:T8330	●	0.2	130	0.08	75	0.07	120	0.08	-	-	-	-	-	-	-
LFMX 1.6-.16ENF1:T8330	●	0.2	130	0.08	75	0.07	120	0.08	-	-	-	-	-	-	-
LFMX 2.0-.16ENF1:T8330	●	0.2	130	0.08	75	0.07	120	0.08	-	-	-	-	-	-	-
LFMX 3.1-.20ENF1:T8330	●	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-
LFMX 4.1-.20ENF1:T8330	●	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-

LFMX - F2

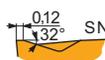


	CW	CWTOLL	CWTOLU	BW
	(mm)	(mm)	(mm)	(mm)
1.6	1.60	-0.03	0.03	1.30
2.0	2.00	-0.03	0.03	1.60
3.1	3.10	-0.04	0.04	2.60
4.1	4.10	-0.04	0.04	3.60
5.1	5.10	-0.04	0.04	4.60
6.35	6.35	-0.04	0.04	5.80



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												

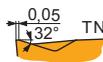


SN-F2 geometria adatta per operazioni di troncatura e scanalatura, taglio continuo.

LFMX 1.6-.16SNF2:T8330	●	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-
LFMX 2.0-.16SNF2:6640	●	0.2	150	0.10	90	0.09	140	0.10	-	-	-	-	-	-	-
LFMX 2.0-.16SNF2:T8330	●	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-
LFMX 3.1-.20SNF2:6640	●	0.2	150	0.10	90	0.09	140	0.10	-	-	-	-	-	-	-
LFMX 3.1-.20SNF2:T8330	●	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-
LFMX 4.1-.20SNF2:T8330	●	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	-	-
LFMX 5.1-.20SNF2:T8330	●	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	-	-
LFMX 6.35-.20SNF2:T8330	●	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	-	-	-

Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



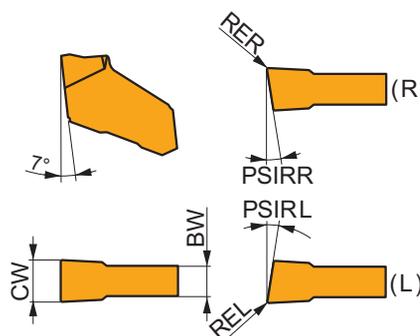
TN-F2 geometria per operazioni di troncatura e scanalatura, taglio continuo.

LFMX 3.1-.20TNF2:6640	● 0.2	■ 150	0.10	▣ 90	0.09	■ 140	0.10	—	—	—	—	—	—	—	—
LFMX 3.1-.20TNF2:T8330	● 0.2	■ 130	0.10	▣ 75	0.09	■ 120	0.10	—	—	—	—	—	—	—	—
LFMX 4.1-.20TNF2:T8330	● 0.2	■ 130	0.12	▣ 75	0.11	■ 120	0.12	—	—	—	—	—	—	—	—

LFMX - M2



	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	BW (mm)
2.0	2.00	-0.03	0.03	1.60
2.2	2.20	-0.03	0.03	1.60
3.1	3.10	-0.04	0.04	2.60
4.1	4.10	-0.04	0.04	3.60
5.1	5.10	-0.04	0.04	4.60
6.35	6.35	-0.04	0.04	5.80



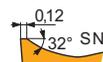
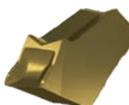
Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



SN-M2 geometria adatta per operazioni di troncatura e scanalatura, da taglio continuo a leggermente interrotto.

LFMX 2.0-.16SNM2:6640	● 0.2	■ 150	0.11	▣ 90	0.10	■ 140	0.11	—	—	—	—	—	—	—	—
LFMX 2.0-.16SNM2:T8330	● 0.2	■ 130	0.11	▣ 75	0.10	■ 120	0.11	—	—	—	—	—	—	—	—
LFMX 2.2-.16SNM2:6640	● 0.2	■ 150	0.11	▣ 90	0.10	■ 140	0.11	—	—	—	—	—	—	—	—
LFMX 2.2-.16SNM2:T8330	● 0.2	■ 130	0.11	▣ 75	0.10	■ 120	0.11	—	—	—	—	—	—	—	—
LFMX 3.1-.20SNM2:6640	● 0.2	■ 150	0.15	▣ 90	0.14	■ 140	0.15	—	—	—	—	—	—	—	—
LFMX 3.1-.20SNM2:T8330	● 0.2	■ 130	0.15	▣ 75	0.14	■ 120	0.15	—	—	—	—	—	—	—	—
LFMX 4.1-.20SNM2:6640	● 0.2	■ 150	0.15	▣ 90	0.14	■ 140	0.15	—	—	—	—	—	—	—	—
LFMX 4.1-.20SNM2:T8330	● 0.2	■ 130	0.15	▣ 75	0.14	■ 120	0.15	—	—	—	—	—	—	—	—
LFMX 5.1-.20SNM2:6640	● 0.2	■ 150	0.20	▣ 90	0.18	■ 140	0.20	—	—	—	—	—	—	—	—
LFMX 5.1-.20SNM2:T8330	● 0.2	■ 130	0.20	▣ 75	0.18	■ 120	0.20	—	—	—	—	—	—	—	—
LFMX 6.35-.20SNM2:6640	● 0.2	■ 150	0.20	▣ 90	0.18	■ 140	0.20	—	—	—	—	—	—	—	—
LFMX 6.35-.20SNM2:T8330	● 0.2	■ 130	0.20	▣ 75	0.18	■ 120	0.20	—	—	—	—	—	—	—	—



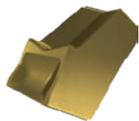
SR-M2 geometria destra, per operazioni di troncatura, da taglio continuo a leggermente interrotto.

LFMX 2.0-.16SR12M2:T8330	● 0.2	■ 130	0.09	▣ 75	0.08	■ 120	0.09	—	—	—	—	—	—	12	—
LFMX 2.0-.16SR6M2:T8330	● 0.2	■ 130	0.09	▣ 75	0.08	■ 120	0.09	—	—	—	—	—	—	6	—
LFMX 3.1-.20SR8M2:T8330	● 0.2	■ 130	0.11	▣ 75	0.10	■ 120	0.11	—	—	—	—	—	—	8	—
LFMX 4.1-.20SR8M2:T8330	● 0.2	■ 130	0.15	▣ 75	0.14	■ 120	0.15	—	—	—	—	—	—	8	—



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



SL-M2 geometria sinistra, per operazioni di troncatura, da taglio continuo a leggermente interrotto.

LFMX 2.0-.16SL12M2:T8330	● 0.2	■ 130	0.09	▣ 75	0.08	▤ 120	0.09	■	■	■	■	■	■	■	12
LFMX 2.0-.16SL6M2:T8330	● 0.2	■ 130	0.09	▣ 75	0.08	▤ 120	0.09	■	■	■	■	■	■	■	6
LFMX 3.1-.20SL8M2:T8330	● 0.2	■ 130	0.11	▣ 75	0.10	▤ 120	0.11	■	■	■	■	■	■	■	8
LFMX 4.1-.20SL8M2:T8330	● 0.2	■ 130	0.15	▣ 75	0.14	▤ 120	0.15	■	■	■	■	■	■	■	8



TN-M2 geometria per operazioni di troncatura e scanalatura, da taglio continuo a leggermente interrotto.

LFMX 3.1-.20TNM2:6640	● 0.2	■ 150	0.15	▣ 90	0.14	▤ 140	0.15	■	■	■	■	■	■	■	■
LFMX 3.1-.20TNM2:T8330	● 0.2	■ 130	0.15	▣ 75	0.14	▤ 120	0.15	■	■	■	■	■	■	■	■
LFMX 4.1-.20TNM2:6640	● 0.2	■ 150	0.15	▣ 90	0.14	▤ 140	0.15	■	■	■	■	■	■	■	■
LFMX 4.1-.20TNM2:T8330	● 0.2	■ 130	0.15	▣ 75	0.14	▤ 120	0.15	■	■	■	■	■	■	■	■

LFUX – NAVIGATORE LAME E ACCESSORI

SEDE INSERTO	03	04	05	06		
XLCFN B LFUX Lame H = 26 mm H = 32; 47 mm						
Larghezza di taglio (mm) 3 4 5						
Inserti di troncatura 						
	LFUX	LFUX	LFUX	LFUX		

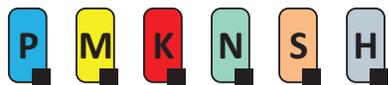


DU, D

- Blocco porta lama
- Dimensioni stelo:
20 × 20, 25 × 23, 25 × 32, 32 × 29, 25 × 30 mm



XLCFN B LFUX

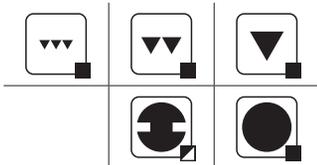
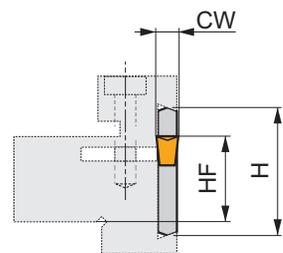
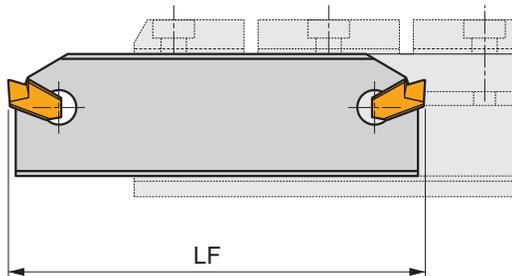
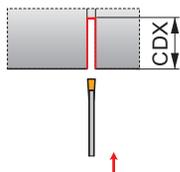


PRAMET



Lama da troncatura a doppio lato per inserti LFUX

Lama di troncatura per inserti LFUX mono-taglienti. Disponibile nelle altezze 26, 32 o 47 mm. Può essere alloggiata nei supporti DU, D Pramet. Lama trattata per una maggiore durata dell'utensile.



Product	⌀	H	⊥	CW	CDX	kg		
	(mm)	(mm)	(mm)	(mm)	(mm)			
N XLCFN 2603 J 03	21.4	26	110	3.10	37.5	0.06	GI018	KV
XLCFN 3202 M 03	25	32	150	3.10	50	0.11	GI018	KV
XLCFN 3203 M 04	25	32	150	4.10	50	0.15	GI019	KV
XLCFN 3204 M 05	25	32	150	5.10	60	0.17	GI020	KV
XLCFN 4704 S 05	38	47	270	5.10	100	0.46	GI020	KV
XLCFN 4705 S 06	38	47	270	6.10	100	0.50	GI021	KV

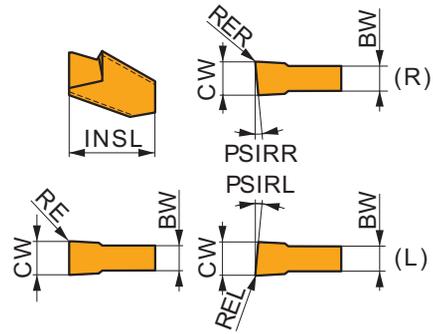
GI018	LFUX 0308..
GI019	LFUX 0408..
GI020	LFUX 0508..
GI021	LFUX 0608..

KV	KV 5x70

LFUX



	CW (mm)	BW (mm)	INSL (mm)
0308	3.00	2.51	11.5
0408	4.00	3.44	11.5
0508	5.00	4.30	11.5
0608	6.00	5.30	11.5



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



TN geometria per operazioni di troncatura e scanalatura, da taglio continuo a leggermente interrotto.

LFUX 030802TN:6640	0.2	150	0.10	—	—	140	0.10	—	—	—	—	—	—	—	—
LFUX 030802TN:T8330	0.2	130	0.10	—	—	120	0.10	—	—	—	—	—	—	—	—
LFUX 040802TN:6640	0.2	150	0.12	—	—	140	0.12	—	—	—	—	—	—	—	—
LFUX 040802TN:T8330	0.2	130	0.12	—	—	120	0.12	—	—	—	—	—	—	—	—
LFUX 050802TN:6640	0.2	150	0.15	—	—	140	0.15	—	—	—	—	—	—	—	—
LFUX 050802TN:T8330	0.2	130	0.15	—	—	120	0.15	—	—	—	—	—	—	—	—
LFUX 060802TN:6640	0.2	150	0.20	—	—	140	0.20	—	—	—	—	—	—	—	—
LFUX 060802TN:T8330	0.2	130	0.20	—	—	120	0.20	—	—	—	—	—	—	—	—



TR geometria destra per operazioni di troncatura, da taglio continuo a leggermente interrotto.

LFUX 030800TR:6640	0.2	150	0.10	—	—	140	0.10	—	—	—	—	—	5	—
LFUX 030800TR:T8330	0.2	130	0.10	—	—	120	0.10	—	—	—	—	—	5	—
LFUX 040800TR:6640	0.2	150	0.12	—	—	140	0.12	—	—	—	—	—	5	—
LFUX 040800TR:T8330	0.2	130	0.12	—	—	120	0.12	—	—	—	—	—	5	—



TL geometria sinistra, per operazioni di troncatura, da taglio continuo a leggermente interrotto.

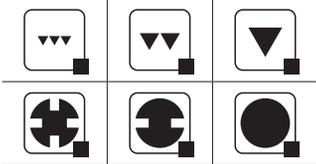
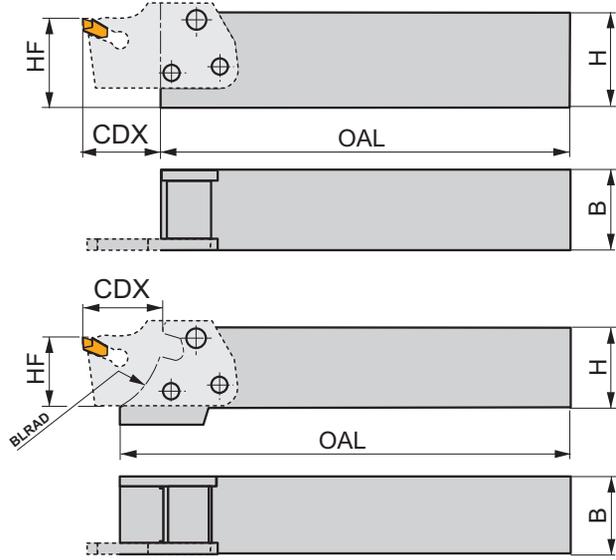
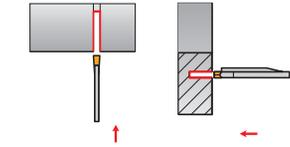
LFUX 030800TL:6640	0.2	150	0.10	—	—	140	0.10	—	—	—	—	—	—	5
LFUX 030800TL:T8330	0.2	130	0.10	—	—	120	0.10	—	—	—	—	—	—	5

MS-EN



Portautensile modulare per lame di troncatura e scanalatura

Portautensile modulare per lame di troncatura e scanalatura di tipo BS. Corpo trattato per una maggiore vita utensile.



Product	HF (mm)	H (mm)	B (mm)	OAL (mm)	BIRAD (mm)	kg		
MS-EN-1212 F	12	12	12	75	-	0.12	GI006	ND4
MS-EN-1616 H	16	16	16	90	-	0.21	GI006	ND4
MS-EN-2020 K	20	20	20	115	-	0.23	GI003	ND5
MS-EN-2020 KS	20	20	20	129	25	0.42	GI060	ND5
MS-EN-2525 M	25	25	25	140	-	0.65	GI003	ND5
MS-EN-2525 MS	25	25	25	153	25	0.73	GI060	ND5
MS-EN-3225 P	32	32	25	160	-	0.95	GI003	ND5
MS-EN-3225 PS	32	32	25	174	25	1.00	GI060	ND5

GI003	XLC.. 25..15...	XLC.. 25..25...	GL.BS	XLXFL 25...
GI006	XLCF. 16..15...	XLCF. 16..20...	-	-
GI060	XLC.. 25..15...	XLC.. 25..25...	GL.BS	-

ND4	US 4011-T15P	3.5	M 4	10.6	-	-	-	-	FLAG T15P
ND5	US 45013-T20P	5.0	M 5	13	US 46017-T20P	5.0	M6	17	FLAG T20P

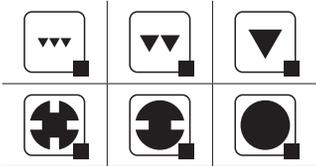
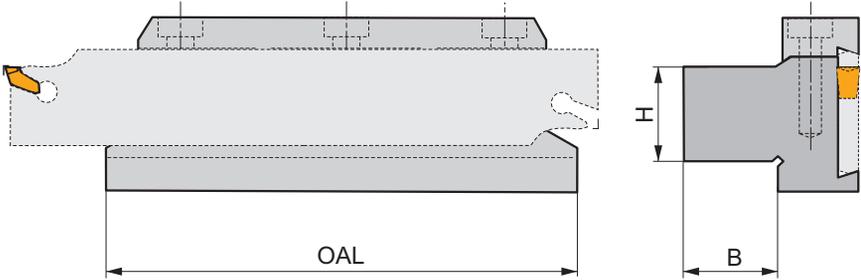
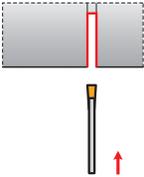
ND4 = 3 x US 4011-T15P; ND5 = 2 x US 45013-T20P

DU, D



Blocco portautensile per lame di troncatura e scanalatura

Portautensile per lame di troncatura e scanalatura GL o XLC. Corpo trattato per una maggiore vita utensile.



Product	H (mm)	B (mm)	OAL (mm)	kg		
26-DU 2020	20	20	90	0.76	GI007	ND2
26-D 2020	20	20	100	0.82	GI007	ND2
32-DU 2523	25	23	110	1.06	GI008	ND2
32-DU 2532	25	32	110	1.24	GI008	ND2
32-D 2530	25	30	115	1.28	GI008	ND2
32-DU 3229	32	29	110	1.25	GI008	ND2
45-DU 3229	32	29	110	1.50	GI009	ND7
45-DU 4036	40	36	110	2.05	GI009	ND7
47-D 4040	40	40	150	3.84	GI091	ND3

GI007	XLC.N 26..	GL.-S26.B.
GI008	XLC.N 32..	GL.-S32.B.
GI009	XLC.N 45..	-
GI091	XLC.N 47..	-

ND2	HS 0625	6.0	M 6	25	HXK 5
ND3	HS 1030	8.0	M 10	30	HXK 8
ND7	HS 0630	6.0	M 6	30	HXK 5

UTENSILI PER SCANALATURA FRONTALE

SEDE INSERTO	LNMX 3.00	GL3	GL4	GL5	GL6	
NEW Frontale assiale, Destro 20 × 20 32 × 32		CDX 12 mm 	CDX 20 - 25 mm 	CDX 25 mm 	CDX 25 - 32 mm 	
NEW Frontale assiale, Sinistro 25 × 25 32 × 32		CDX 12 mm 	CDX 20 - 25 mm 	CDX 25 mm 	CDX 25 - 32 mm 	
NEW Frontale 90°, Destro 25 × 25		CDX 15 mm 	CDX 20 - 25 mm 			
Lame MS 						
Larghezza di taglio (mm) 3.1 3 4 5 6 8						
Scanalatura frontale 	LFMX	GM	GM	GM	GM	GM
Tornitura frontale Profilatura frontale 		GM MM	GM MM	GM MM	GM MM	GM

GLSF L-R AXIAL

P M K N S H

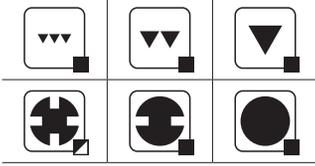
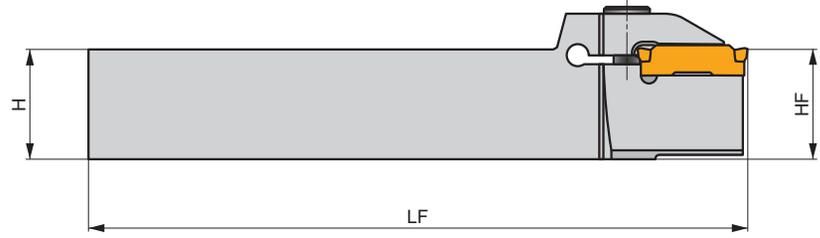
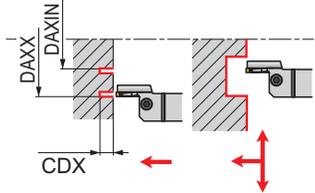
PRAMET

G



Utensile per scanalatura frontale assiale per inserti GL

Portautensile per scanalatura frontale assiale sinistro per inserti GL. Adatto per applicazioni di scanalatura frontale, tornitura e profilatura. Corpo trattato per una maggiore vita utensile.



Product	HF	H	B	WF	LF	CW	CDX	DAXX	DAXIN	kg	G1361	G1362
	(mm)											
L GL3-S2525MFL-12-R035027	25	25	25	26	150	3.00	12	35	27	0.69	G1361	GL16
GL3-S2525MFL-15-R044033	25	25	25	26	150	3.00	15	44	33	0.68	G1361	GL16
GL3-S2525MFL-15-R055040	25	25	25	26	150	3.00	15	55	40	0.68	G1361	GL16
GL3-S2525MFL-20-R080051	25	25	25	26	150	3.00	20	80	51	0.65	G1361	GL16
GL3-S2525MFL-25-R110076	25	25	25	26	150	3.00	25	110	76	0.63	G1361	GL16
GL4-S2525MFL-20-R065050	25	25	25	26	150	4.00	20	65	50	0.71	G1362	GL16
GL4-S2525MFL-20-R095060	25	25	25	26	150	4.00	20	95	60	0.65	G1362	GL16
GL4-S2525MFL-25-R160090	25	25	25	26	150	4.00	25	160	90	0.63	G1362	GL16
GL4-S2525MFL-25-R400150	25	25	25	25.7	150	4.00	25	400	150	0.63	G1362	GL16
GL4-S2525MFL-25-R950380	25	25	25	25.7	150	4.00	25	950	380	0.63	G1362	GL16
GL5-S2525MFL-25-R095060	25	25	25	25.3	150	5.00	25	95	60	0.63	G1363	GL16
GL5-S2525MFL-25-R200090	25	25	25	25.3	150	5.00	25	200	90	0.63	G1363	GL16
GL5-S2525MFL-25-R950180	25	25	25	25.3	150	5.00	25	950	180	0.63	G1363	GL16
GL6-S2525MFL-25-R095060	25	25	25	25.4	150	6.00	25	95	60	0.69	G1364	GL16
GL6-S2525MFL-25-R200090	25	25	25	25.4	150	6.00	25	200	90	0.64	G1364	GL16
GL6-S2525MFL-25-R950180	25	25	25	25.4	150	6.00	25	950	180	0.64	G1364	GL16
GL6-S3232PFL-32-R200090	32	32	32	32.4	170	6.00	32	200	90	1.20	G1364	GL17
GL6-S3232PFL-32-R950180	32	32	32	32.4	170	6.00	32	950	180	1.20	G1364	GL17

	GL3-GM	GL3-MM
G1361	GL3-GM	GL3-MM
G1362	GL4-GM	GL4-MM
G1363	GL5-GM	GL5-MM
G1364	GL6-GM	GL6-MM

	HS 0620	6.0	M6	20	HXK 5
GL16	HS 0620	6.0	M6	20	HXK 5
GL17	HS 0825	8.0	M8	25	HXK 6

GLSF R-L AXIAL

P M K N S H

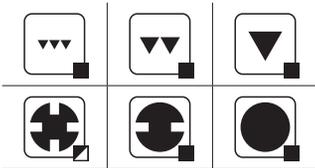
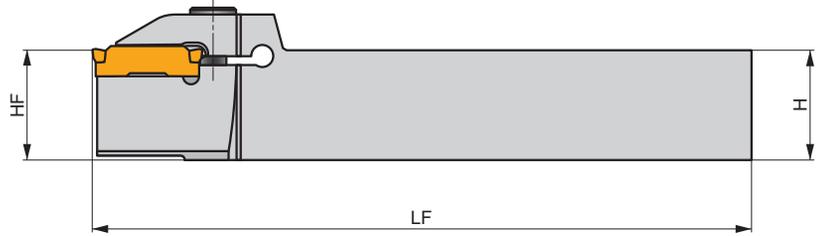
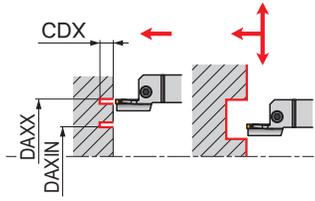
PRAMET

G



Utensile per scanalatura frontale assiale per inserti GL

Portautensile per scanalatura frontale assiale destro per inserti GL. Adatto per applicazioni di scanalatura frontale, tornitura e profilatura. Corpo trattato per una maggiore vita utensile.



Product	HF	H	B	WF	LF	CW	CDX	DAXX	DAXIN	kg		
	(mm)											
GL3-S2020KFR-12-L035027	20	20	20	20.5	125	3.00	12	35	27	0.40	GI361	GL16
GL3-S2020KFR-15-L044033	20	20	20	20.5	125	3.00	15	44	33	0.39	GI361	GL16
GL3-S2020KFR-15-L055040	20	20	20	20.5	125	3.00	15	55	40	0.39	GI361	GL16
GL3-S2020KFR-20-L080051	20	20	20	20.5	125	3.00	20	80	51	0.38	GI361	GL16
GL3-S2525MFR-12-L035027	25	25	25	26	150	3.00	12	35	27	0.69	GI361	GL16
GL3-S2525MFR-15-L044033	25	25	25	26	150	3.00	15	44	33	0.68	GI361	GL16
GL3-S2525MFR-15-L055040	25	25	25	26	150	3.00	15	55	40	0.68	GI361	GL16
GL3-S2525MFR-20-L080051	25	25	25	26	150	3.00	20	80	51	0.65	GI361	GL16
GL3-S2525MFR-25-L110076	25	25	25	26	150	3.00	25	110	76	0.63	GI361	GL16
GL4-S2525MFR-20-L065050	25	25	25	26	150	4.00	20	65	50	0.66	GI362	GL16
GL4-S2525MFR-20-L095060	25	25	25	26	150	4.00	20	95	60	0.65	GI362	GL16
GL4-S2525MFR-25-L160090	25	25	25	26	150	4.00	25	160	90	0.63	GI362	GL16
GL4-S2525MFR-25-L400150	25	25	25	25.7	150	4.00	25	400	150	0.63	GI362	GL16
GL4-S2525MFR-25-L950380	25	25	25	25.7	150	4.00	25	950	380	0.63	GI362	GL16
GL5-S2525MFR-25-L095060	25	25	25	25.3	150	5.00	25	95	60	0.63	GI363	GL16
GL5-S2525MFR-25-L200090	25	25	25	25.3	150	5.00	25	200	90	0.63	GI363	GL16
GL5-S2525MFR-25-L950180	25	25	25	25.3	150	5.00	25	950	180	0.63	GI363	GL16
GL6-S2525MFR-25-L095060	25	25	25	25.4	150	6.00	25	95	60	0.64	GI364	GL16
GL6-S2525MFR-25-L200090	25	25	25	25.4	150	6.00	25	200	90	0.64	GI364	GL16
GL6-S2525MFR-25-L950180	25	25	25	25.4	150	6.00	25	950	180	0.64	GI364	GL16
GL6-S3232PFR-32-L200090	32	32	32	32.4	170	6.00	32	200	90	1.20	GI364	GL17
GL6-S3232PFR-32-L950180	32	32	32	32.4	170	6.00	32	950	180	1.21	GI364	GL17

R

		
GI361	GL3-GM	GL3-MM
GI362	GL4-GM	GL4-MM
GI363	GL5-GM	GL5-MM
GI364	GL6-GM	GL6-MM

		 Nm			
GL16	HS 0620	6.0	M6	20	HXX 5
GL17	HS 0825	8.0	M8	25	HXX 6

GLSG R-R AXIAL

P
M
K
N
S
H

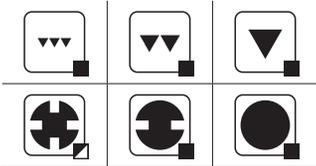
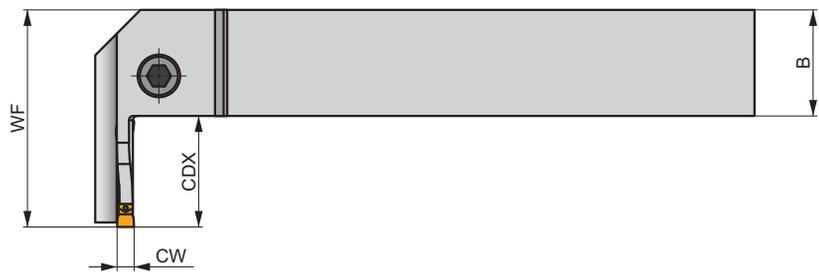
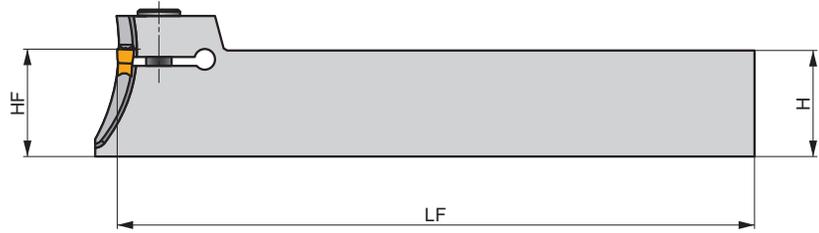
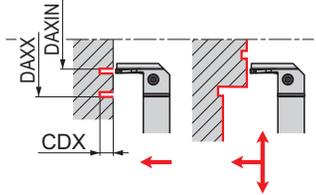
PRAMET

G



Utensile per scanalatura frontale radiale per inserti GL

Portautensile per scanalatura frontale radiale destro per inserti GL. Adatto per applicazioni di scanalatura frontale, tornitura e profilatura. Corpo trattato per una maggiore vita utensile.



Product	HF	H	B	WF	LF	CW	CDX	DAXX	DAXIN	kg		
	(mm)											
GL3-S2525MGR-15-R044033	25	25	25	40.9	150	3.00	15	44	33	0.75	GI361	GL16
GL3-S2525MGR-15-R055040	25	25	25	40.9	150	3.00	15	55	40	0.75	GI361	GL16
GL3-S2525MGR-20-R080051	25	25	25	45.9	150	3.00	20	80	51	0.75	GI361	GL16
GL3-S2525MGR-25-R110076	25	25	25	50.9	150	3.00	25	110	76	0.75	GI361	GL16
GL4-S2525MGR-20-R065050	25	25	25	46	150	4.00	20	65	50	0.77	GI362	GL16
GL4-S2525MGR-25-R095060	25	25	25	51	150	4.00	25	95	60	0.76	GI362	GL16
GL4-S2525MGR-25-R160090	25	25	25	51	150	4.00	25	160	90	0.76	GI362	GL16
GL4-S2525MGR-25-R400150	25	25	25	51	150	4.00	25	400	150	0.75	GI362	GL16

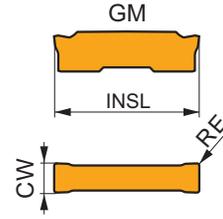
GI361	GL3-GM	GL3-MM
GI362	GL4-GM	GL4-MM

GL16	HS 0620	6.0	M6	20	HXK 5

GL. D - GM



	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0
800	8.00	-0.05	0.05	25.0



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc (m/min)	f (mm/rev)	ap (mm)															



GM geometria versatile per operazioni di scanalatura e tornitura longitudinale, taglio da continuo a interrotto.

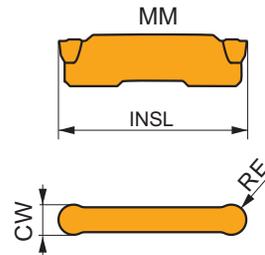
GL2-D200M02-GM:G8330	0.2	190	0.10	0.8	110	0.09	0.8	180	0.10	0.8	-	-	-	45	0.08	0.6	-	-	-
GL2-D200M02-GM:T7325	0.2	220	0.10	0.8	170	0.09	0.8	205	0.10	0.8	-	-	-	70	0.08	0.6	-	-	-
GL3-D300M02-GM:G8330	0.2	150	0.20	1.0	90	0.18	1.0	140	0.20	1.0	-	-	-	35	0.14	0.8	-	-	-
GL3-D300M02-GM:T7325	0.2	175	0.20	1.0	135	0.18	1.0	165	0.20	1.0	-	-	-	55	0.14	0.8	-	-	-
GL3-D300M04-GM:G8330	0.4	160	0.20	1.0	95	0.18	1.0	150	0.20	1.0	-	-	-	40	0.14	0.8	-	-	-
GL3-D300M04-GM:T7325	0.4	185	0.20	1.0	140	0.18	1.0	175	0.20	1.0	-	-	-	60	0.14	0.8	-	-	-
GL4-D400M04-GM:G8330	0.4	150	0.25	1.2	90	0.23	1.2	140	0.25	1.2	-	-	-	35	0.18	1.0	-	-	-
GL4-D400M04-GM:T7325	0.4	170	0.25	1.2	130	0.23	1.2	160	0.25	1.2	-	-	-	55	0.18	1.0	-	-	-
GL4-D400M08-GM:G8330	0.8	180	0.25	1.2	105	0.23	1.2	170	0.25	1.2	-	-	-	45	0.18	1.0	-	-	-
GL4-D400M08-GM:T7325	0.8	200	0.25	1.2	155	0.23	1.2	190	0.25	1.2	-	-	-	65	0.18	1.0	-	-	-
GL5-D500M08-GM:G8330	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.0	-	-	-
GL5-D500M08-GM:T7325	0.8	190	0.30	1.2	145	0.27	1.2	180	0.30	1.2	-	-	-	60	0.21	1.0	-	-	-
GL6-D600M08-GM:G8330	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.0	-	-	-
GL6-D600M08-GM:T7325	0.8	190	0.30	1.2	145	0.27	1.2	180	0.30	1.2	-	-	-	60	0.21	1.0	-	-	-
GL6-D800M08-GM:G8330 ¹⁾	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.2	-	-	-

¹⁾ Usable only in holders with CDX ≥ 24.

GL. D - MM



	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	26.0
600	6.00	-0.05	0.05	26.0



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc (m/min)	f (mm/rev)	ap (mm)															



MM geometria a testa sferica per operazioni di copiatura e tornitura longitudinale, da taglio continuo a interrotto.

GL2-D200MMO-MM:G8330	1.0	250	0.10	1.0	150	0.09	1.0	235	0.10	1.0	-	-	-	60	0.08	0.8	-	-	-
GL2-D200MMO-MM:T7325	1.0	285	0.10	1.0	220	0.09	1.0	270	0.10	1.0	-	-	-	90	0.08	0.8	-	-	-
GL3-D300MMO-MM:G8330	1.5	210	0.20	1.2	125	0.18	1.2	195	0.20	1.2	-	-	-	50	0.14	1.0	-	-	-
GL3-D300MMO-MM:T7325	1.5	240	0.20	1.2	185	0.18	1.2	225	0.20	1.2	-	-	-	75	0.14	1.0	-	-	-
GL4-D400MMO-MM:G8330	2.0	220	0.20	1.2	130	0.18	1.2	205	0.20	1.2	-	-	-	55	0.14	1.0	-	-	-
GL4-D400MMO-MM:T7325	2.0	250	0.20	1.2	195	0.18	1.2	235	0.20	1.2	-	-	-	80	0.14	1.0	-	-	-
GL5-D500MMO-MM:G8330	2.5	205	0.25	1.2	120	0.23	1.2	190	0.25	1.2	-	-	-	50	0.18	1.0	-	-	-
GL5-D500MMO-MM:T7325	2.5	235	0.25	1.2	180	0.23	1.2	220	0.25	1.2	-	-	-	75	0.18	1.0	-	-	-
GL6-D600MMO-MM:G8330	3.0	195	0.30	1.2	115	0.27	1.2	185	0.30	1.2	-	-	-	45	0.21	1.0	-	-	-
GL6-D600MMO-MM:T7325	3.0	220	0.30	1.2	170	0.27	1.2	205	0.30	1.2	-	-	-	70	0.21	1.0	-	-	-

XLXFL BS AXIAL

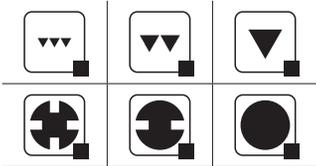
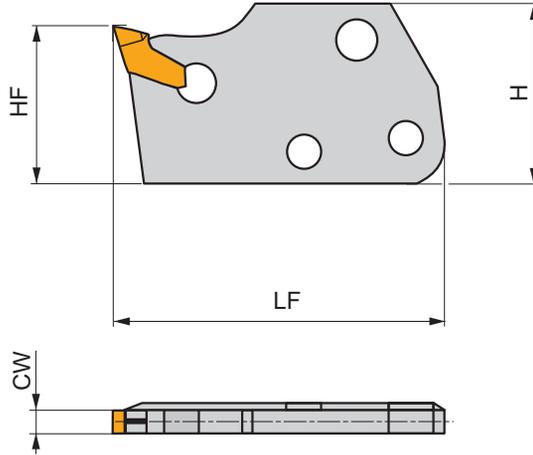
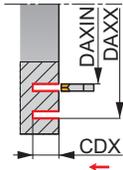
P
M
K
N
S
H

PRAMET



Lama per scanalature assiali per utensile modulare MS-EN e inserti LFMX

Lama modulare di scanalatura con inserti mono-taglienti LFMX. Adatta per applicazioni di scanalature assiali (massima profondità di taglio 20 mm). Sono adatte per utensili modulari MS-EN. Lama trattate per una maggiore durata.



Product	H	HF	LF	CW	CDX	DAXIN	DAXX	kg	GI001	KV
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
L XLXFL 250220-3.00-60	29	24	46	3.10	20	60	85	0.05	GI001	KV
XLXFL 250220-3.00-80	29	24	46	3.10	20	80	105	0.05	GI001	KV
XLXFL 250220-3.00-100	29	24	46	3.10	20	100	155	0.03	GI001	KV
XLXFL 250220-3.00-150	29	24	46	3.10	20	150	280	0.03	GI001	KV

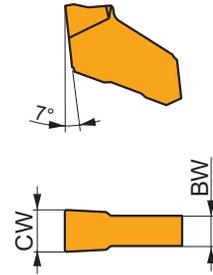
GI001 LFMX 3.1-

KV KV 5x70

LFMX - F1

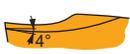


	CW	CWTOLL	CWTOLU	BW
	(mm)	(mm)	(mm)	(mm)
1.5	1.50	-0.03	0.03	1.30
1.6	1.60	-0.03	0.03	1.30
2.0	2.00	-0.03	0.03	1.60
3.1	3.10	-0.04	0.04	2.60
4.1	4.10	-0.04	0.04	3.60



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



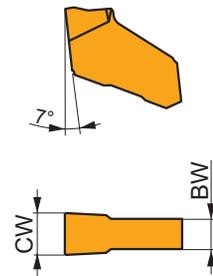
F1 eN-geometria per operazioni di troncatura e scanalatura, taglio continuo.

LFMX 1.5-.16ENF1:T8330	0.2	130	0.08	75	0.07	120	0.08	-	-	-	-	-	-	-	-
LFMX 1.6-.16ENF1:T8330	0.2	130	0.08	75	0.07	120	0.08	-	-	-	-	-	-	-	-
LFMX 2.0-.16ENF1:T8330	0.2	130	0.08	75	0.07	120	0.08	-	-	-	-	-	-	-	-
LFMX 3.1-.20ENF1:T8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-	-
LFMX 4.1-.20ENF1:T8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-	-

LFMX - F2

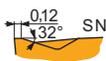


	CW	CWTOLL	CWTOLU	BW
	(mm)	(mm)	(mm)	(mm)
1.6	1.60	-0.03	0.03	1.30
2.0	2.00	-0.03	0.03	1.60
3.1	3.10	-0.04	0.04	2.60
4.1	4.10	-0.04	0.04	3.60
5.1	5.10	-0.04	0.04	4.60
6.35	6.35	-0.04	0.04	5.80



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												

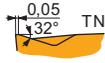


SN-F2 geometria adatta per operazioni di troncatura e scanalatura, taglio continuo.

LFMX 1.6-.16SNF2:T8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-	-
LFMX 2.0-.16SNF2:6640	0.2	150	0.10	90	0.09	140	0.10	-	-	-	-	-	-	-	-
LFMX 2.0-.16SNF2:T8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-	-
LFMX 3.1-.20SNF2:6640	0.2	150	0.10	90	0.09	140	0.10	-	-	-	-	-	-	-	-
LFMX 3.1-.20SNF2:T8330	0.2	130	0.10	75	0.09	120	0.10	-	-	-	-	-	-	-	-
LFMX 4.1-.20SNF2:T8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	-	-	-
LFMX 5.1-.20SNF2:T8330	0.2	130	0.12	75	0.11	120	0.12	-	-	-	-	-	-	-	-
LFMX 6.35-.20SNF2:T8330	0.2	130	0.15	75	0.14	120	0.15	-	-	-	-	-	-	-	-

Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



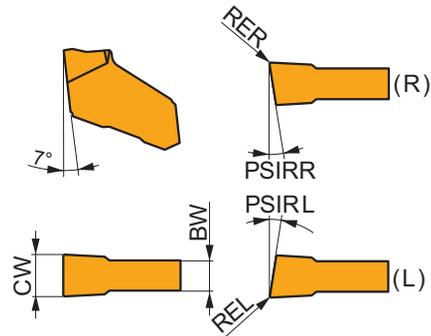
TN-F2 geometria per operazioni di troncatura e scanalatura, taglio continuo.

LFMX 3.1-.20TNF2:6640	● 0.2	■ 150	□ 0.10	■ 90	□ 0.09	■ 140	□ 0.10	–	–	–	–	–	–	–	–
LFMX 3.1-.20TNF2:T8330	● 0.2	■ 130	□ 0.10	■ 75	□ 0.09	■ 120	□ 0.10	–	–	–	–	–	–	–	–
LFMX 4.1-.20TNF2:T8330	● 0.2	■ 130	□ 0.12	■ 75	□ 0.11	■ 120	□ 0.12	–	–	–	–	–	–	–	–

LFMX - M2



	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	BW (mm)
2.0	2.00	-0.03	0.03	1.60
2.2	2.20	-0.03	0.03	1.60
3.1	3.10	-0.04	0.04	2.60
4.1	4.10	-0.04	0.04	3.60
5.1	5.10	-0.04	0.04	4.60
6.35	6.35	-0.04	0.04	5.80



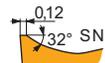
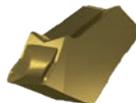
Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



SN-M2 geometria adatta per operazioni di troncatura e scanalatura, da taglio continuo a leggermente interrotto.

LFMX 2.0-.16SNM2:6640	● 0.2	■ 150	□ 0.11	■ 90	□ 0.10	■ 140	□ 0.11	–	–	–	–	–	–	–	–
LFMX 2.0-.16SNM2:T8330	● 0.2	■ 130	□ 0.11	■ 75	□ 0.10	■ 120	□ 0.11	–	–	–	–	–	–	–	–
LFMX 2.2-.16SNM2:6640	● 0.2	■ 150	□ 0.11	■ 90	□ 0.10	■ 140	□ 0.11	–	–	–	–	–	–	–	–
LFMX 2.2-.16SNM2:T8330	● 0.2	■ 130	□ 0.11	■ 75	□ 0.10	■ 120	□ 0.11	–	–	–	–	–	–	–	–
LFMX 3.1-.20SNM2:6640	● 0.2	■ 150	□ 0.15	■ 90	□ 0.14	■ 140	□ 0.15	–	–	–	–	–	–	–	–
LFMX 3.1-.20SNM2:T8330	● 0.2	■ 130	□ 0.15	■ 75	□ 0.14	■ 120	□ 0.15	–	–	–	–	–	–	–	–
LFMX 4.1-.20SNM2:6640	● 0.2	■ 150	□ 0.15	■ 90	□ 0.14	■ 140	□ 0.15	–	–	–	–	–	–	–	–
LFMX 4.1-.20SNM2:T8330	● 0.2	■ 130	□ 0.15	■ 75	□ 0.14	■ 120	□ 0.15	–	–	–	–	–	–	–	–
LFMX 5.1-.20SNM2:6640	● 0.2	■ 150	□ 0.20	■ 90	□ 0.18	■ 140	□ 0.20	–	–	–	–	–	–	–	–
LFMX 5.1-.20SNM2:T8330	● 0.2	■ 130	□ 0.20	■ 75	□ 0.18	■ 120	□ 0.20	–	–	–	–	–	–	–	–
LFMX 6.35-.20SNM2:6640	● 0.2	■ 150	□ 0.20	■ 90	□ 0.18	■ 140	□ 0.20	–	–	–	–	–	–	–	–
LFMX 6.35-.20SNM2:T8330	● 0.2	■ 130	□ 0.20	■ 75	□ 0.18	■ 120	□ 0.20	–	–	–	–	–	–	–	–

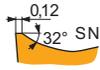
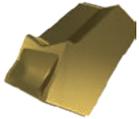


SR-M2 geometria destra, per operazioni di troncatura, da taglio continuo a leggermente interrotto.

LFMX 2.0-.16SR12M2:T8330	● 0.2	■ 130	□ 0.09	■ 75	□ 0.08	■ 120	□ 0.09	–	–	–	–	–	–	12	–
LFMX 2.0-.16SR6M2:T8330	● 0.2	■ 130	□ 0.09	■ 75	□ 0.08	■ 120	□ 0.09	–	–	–	–	–	–	6	–
LFMX 3.1-.20SR8M2:T8330	● 0.2	■ 130	□ 0.11	■ 75	□ 0.10	■ 120	□ 0.11	–	–	–	–	–	–	8	–
LFMX 4.1-.20SR8M2:T8330	● 0.2	■ 130	□ 0.15	■ 75	□ 0.14	■ 120	□ 0.15	–	–	–	–	–	–	8	–

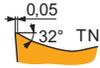
Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



SL-M2 geometria sinistra, per operazioni di troncatura, da taglio continuo a leggermente interrotto.

LFMX 2.0-.16SL12M2:T8330	● 0.2	■ 130	0.09	▣ 75	0.08	▤ 120	0.09	—	—	—	—	—	—	—	12
LFMX 2.0-.16SL6M2:T8330	● 0.2	■ 130	0.09	▣ 75	0.08	▤ 120	0.09	—	—	—	—	—	—	—	6
LFMX 3.1-.20SL8M2:T8330	● 0.2	■ 130	0.11	▣ 75	0.10	▤ 120	0.11	—	—	—	—	—	—	—	8
LFMX 4.1-.20SL8M2:T8330	● 0.2	■ 130	0.15	▣ 75	0.14	▤ 120	0.15	—	—	—	—	—	—	—	8



TN-M2 geometria per operazioni di troncatura e scanalatura, da taglio continuo a leggermente interrotto.

LFMX 3.1-.20TNM2:6640	● 0.2	■ 150	0.15	▣ 90	0.14	▤ 140	0.15	—	—	—	—	—	—	—	—
LFMX 3.1-.20TNM2:T8330	● 0.2	■ 130	0.15	▣ 75	0.14	▤ 120	0.15	—	—	—	—	—	—	—	—
LFMX 4.1-.20TNM2:6640	● 0.2	■ 150	0.15	▣ 90	0.14	▤ 140	0.15	—	—	—	—	—	—	—	—
LFMX 4.1-.20TNM2:T8330	● 0.2	■ 130	0.15	▣ 75	0.14	▤ 120	0.15	—	—	—	—	—	—	—	—



UTENSILI PER SCANALATURA INTERNA

SEDE INSERTO	0313	0413	GL2	GL3	GL4
GG.(RL) INT					
GLAG (RL) INT DCON MS = 25 - 40 mm DMIN = 32 mm			 CDX6 - 10 mm	 CDX6 - 12 mm	 CDX6 - 20 mm
Larghezza di taglio (mm)	3	4	2	3	4
Scanalatura (interna)	 CM F	 CM F	 GM	 GM	 GM
Tornitura / Profilatura (interna)	 F MP	 F MP	 GM MM	 GM MM	 GM MM

GLAG (RL) INT

P M K N S H

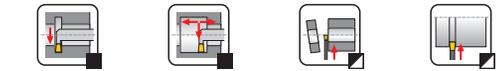
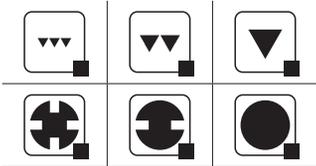
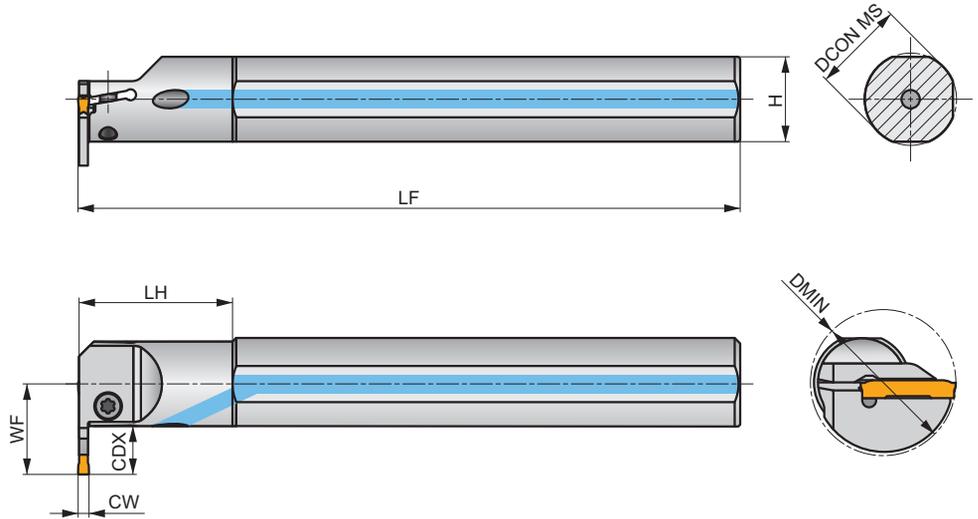
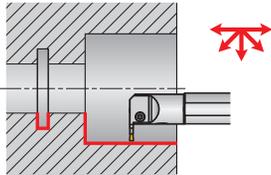
PRAMET

G



Utensile per scanalatura interna per inserti GL

Portautensile destro/sinistro interno con refrigerante interno per inserti GL, con sede rinforzata e staffa di bloccaggio. Adatto per applicazioni di scanalatura interna, tornitura e profilatura. Corpo trattato per una maggiore vita utensile.



Product	DCON MS (mm)	H (mm)	WF (mm)	LF (mm)	LH (mm)	CW (mm)	CDX (mm)	DMIN (mm)				
R GL2-A25QGR-06-32	25	23	18.5	180	41.2	2.00	6	32	✓	0.57	GI360	GL14
GL2-A25QGR-10-38	25	23	22.5	180	41.2	2.00	10	38	✓	0.57	GI360	GL14
GL3-A25QGR-06-32	25	23	18.5	180	42.0	3.00	6	32	✓	0.57	GI361	GL14
GL3-A25QGR-12-38	25	23	24.5	180	42.0	3.00	12	38	✓	0.58	GI361	GL14
GL4-A25QGR-06-40	25	23	18.6	180	43.0	4.00	6	40	✓	0.58	GI362	GL14
GL4-A25QGR-12-40 ¹⁾	25	23	24.6	180	43.0	4.00	12	40	✓	0.58	GI365	GL14
GL2-A32SGR-06-40	32	30	22	250	51.2	2.00	6	40	✓	1.38	GI360	GL14
GL2-A32SGR-10-45	32	30	26	250	51.2	2.00	10	45	✓	1.30	GI360	GL14
GL3-A32SGR-06-40	32	30	22	250	52.0	3.00	6	40	✓	1.38	GI361	GL14
GL3-A32SGR-12-45	32	30	28	250	52.0	3.00	12	45	✓	1.30	GI361	GL14
GL4-A32SGR-06-40	32	30	22.1	250	53.0	4.00	6	40	✓	1.39	GI362	GL14
GL4-A32SGR-12-45 ¹⁾	32	30	28.1	250	53.0	4.00	12	45	✓	1.39	GI365	GL14
GL3-A40TGR-12-54	40	38	32	300	52.0	3.00	12	54	✓	2.69	GI361	GL14
GL4-A40TGR-12-56 ¹⁾	40	38	32.1	300	53.0	4.00	12	56	✓	2.60	GI365	GL14
GL4-A40TGR-20-62 ¹⁾	40	38	40.1	300	53.0	4.00	20	62	✓	2.70	GI365	GL14
L GL2-A25QGL-06-32	25	23	18.5	180	41.2	2.00	6	32	✓	0.57	GI360	GL14
GL2-A25QGL-10-38	25	23	22.5	180	41.2	2.00	10	38	✓	0.57	GI360	GL14
GL3-A25QGL-06-32	25	23	18.5	180	42.0	3.00	6	32	✓	0.57	GI361	GL14
GL3-A25QGL-12-38	25	23	24.5	180	42.0	3.00	12	38	✓	0.58	GI361	GL14
GL4-A25QGL-06-40	25	23	18.6	180	43.0	4.00	6	40	✓	0.58	GI362	GL14
GL4-A25QGL-12-40 ¹⁾	25	23	24.6	180	43.0	4.00	12	40	✓	0.58	GI365	GL14
GL2-A32SGL-06-40	32	30	22	250	51.2	2.00	6	40	✓	1.38	GI360	GL14
GL2-A32SGL-10-45	32	30	26	250	51.2	2.00	10	45	✓	1.38	GI360	GL14
GL3-A32SGL-06-40	32	30	22	250	52.0	3.00	6	40	✓	1.30	GI361	GL14
GL3-A32SGL-12-45	32	30	28	250	52.0	3.00	12	45	✓	1.38	GI361	GL14
GL4-A32SGL-06-40	32	30	22.1	250	53.0	4.00	6	40	✓	1.39	GI362	GL14
GL4-A32SGL-12-45 ¹⁾	32	30	28.1	250	53.0	4.00	12	45	✓	1.30	GI365	GL14

Product	D CON MS	H	WF	LF	LE	CW	CDX	DMIN				
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		kg		
L GL3-A40TGL-12-54	40	38	32	300	52.0	3.00	12	54	✓	2.60	GI361	GL14
GL4-A40TGL-12-56 ¹⁾	40	38	32.1	300	53.0	4.00	12	56	✓	2.70	GI365	GL14
GL4-A40TGL-20-62 ¹⁾	40	38	40.1	300	53.0	4.00	20	62	✓	2.70	GI365	GL14

¹⁾ La geometria MM è applicabile solo quando DMIN >= 68 mm.

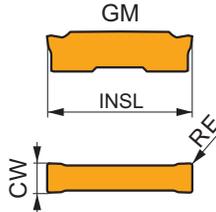
		
GI360	GL2-GM	GL2-MM
GI361	GL3-GM	GL3-MM
GI362	GL4-GM	GL4-MM

					
GL14	US 5015-T20P	5.0	M 5	15	LKT20P

GL. D - GM



	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	25.0
600	6.00	-0.05	0.05	25.0
800	8.00	-0.05	0.05	25.0



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc	f	ap															
		(m/min)	(mm/rev)	(mm)															



GM geometria versatile per operazioni di scanalatura e tornitura longitudinale, taglio da continuo a interrotto.

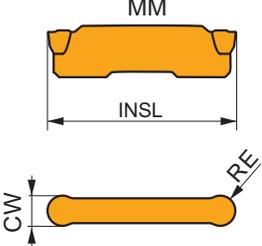
GL2-D200M02-GM:G8330	0.2	190	0.10	0.8	110	0.09	0.8	180	0.10	0.8	-	-	-	45	0.08	0.6	-	-	-
GL2-D200M02-GM:T7325	0.2	220	0.10	0.8	170	0.09	0.8	205	0.10	0.8	-	-	-	70	0.08	0.6	-	-	-
GL3-D300M02-GM:G8330	0.2	150	0.20	1.0	90	0.18	1.0	140	0.20	1.0	-	-	-	35	0.14	0.8	-	-	-
GL3-D300M02-GM:T7325	0.2	175	0.20	1.0	135	0.18	1.0	165	0.20	1.0	-	-	-	55	0.14	0.8	-	-	-
GL3-D300M04-GM:G8330	0.4	160	0.20	1.0	95	0.18	1.0	150	0.20	1.0	-	-	-	40	0.14	0.8	-	-	-
GL3-D300M04-GM:T7325	0.4	185	0.20	1.0	140	0.18	1.0	175	0.20	1.0	-	-	-	60	0.14	0.8	-	-	-
GL4-D400M04-GM:G8330	0.4	150	0.25	1.2	90	0.23	1.2	140	0.25	1.2	-	-	-	35	0.18	1.0	-	-	-
GL4-D400M04-GM:T7325	0.4	170	0.25	1.2	130	0.23	1.2	160	0.25	1.2	-	-	-	55	0.18	1.0	-	-	-
GL4-D400M08-GM:G8330	0.8	180	0.25	1.2	105	0.23	1.2	170	0.25	1.2	-	-	-	45	0.18	1.0	-	-	-
GL4-D400M08-GM:T7325	0.8	200	0.25	1.2	155	0.23	1.2	190	0.25	1.2	-	-	-	65	0.18	1.0	-	-	-
GL5-D500M08-GM:G8330	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.0	-	-	-
GL5-D500M08-GM:T7325	0.8	190	0.30	1.2	145	0.27	1.2	180	0.30	1.2	-	-	-	60	0.21	1.0	-	-	-
GL6-D600M08-GM:G8330	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.0	-	-	-
GL6-D600M08-GM:T7325	0.8	190	0.30	1.2	145	0.27	1.2	180	0.30	1.2	-	-	-	60	0.21	1.0	-	-	-
GL6-D800M08-GM:G8330 ¹⁾	0.8	170	0.30	1.2	100	0.27	1.2	160	0.30	1.2	-	-	-	40	0.21	1.2	-	-	-

¹⁾ Usable only in holders with CDX ≥ 24.

GL. D - MM



	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
200	2.00	-0.05	0.05	25.0
300	3.00	-0.05	0.05	25.0
400	4.00	-0.05	0.05	25.0
500	5.00	-0.05	0.05	26.0
600	6.00	-0.05	0.05	26.0



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc	f	ap															
		(m/min)	(mm/rev)	(mm)															



MM geometria a testa sferica per operazioni di copiatura e tornitura longitudinale, da taglio continuo a interrotto.

GL2-D200MMO-MM:G8330	1.0	250	0.10	1.0	150	0.09	1.0	235	0.10	1.0	-	-	-	60	0.08	0.8	-	-	-
GL2-D200MMO-MM:T7325	1.0	285	0.10	1.0	220	0.09	1.0	270	0.10	1.0	-	-	-	90	0.08	0.8	-	-	-
GL3-D300MMO-MM:G8330	1.5	210	0.20	1.2	125	0.18	1.2	195	0.20	1.2	-	-	-	50	0.14	1.0	-	-	-
GL3-D300MMO-MM:T7325	1.5	240	0.20	1.2	185	0.18	1.2	225	0.20	1.2	-	-	-	75	0.14	1.0	-	-	-
GL4-D400MMO-MM:G8330	2.0	220	0.20	1.2	130	0.18	1.2	205	0.20	1.2	-	-	-	55	0.14	1.0	-	-	-
GL4-D400MMO-MM:T7325	2.0	250	0.20	1.2	195	0.18	1.2	235	0.20	1.2	-	-	-	80	0.14	1.0	-	-	-
GL5-D500MMO-MM:G8330	2.5	205	0.25	1.2	120	0.23	1.2	190	0.25	1.2	-	-	-	50	0.18	1.0	-	-	-
GL5-D500MMO-MM:T7325	2.5	235	0.25	1.2	180	0.23	1.2	220	0.25	1.2	-	-	-	75	0.18	1.0	-	-	-
GL6-D600MMO-MM:G8330	3.0	195	0.30	1.2	115	0.27	1.2	185	0.30	1.2	-	-	-	45	0.21	1.0	-	-	-
GL6-D600MMO-MM:T7325	3.0	220	0.30	1.2	170	0.27	1.2	205	0.30	1.2	-	-	-	70	0.21	1.0	-	-	-

GG.(RL) INT

P M K N S H

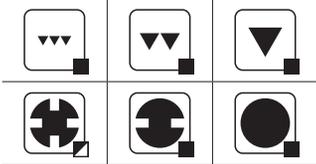
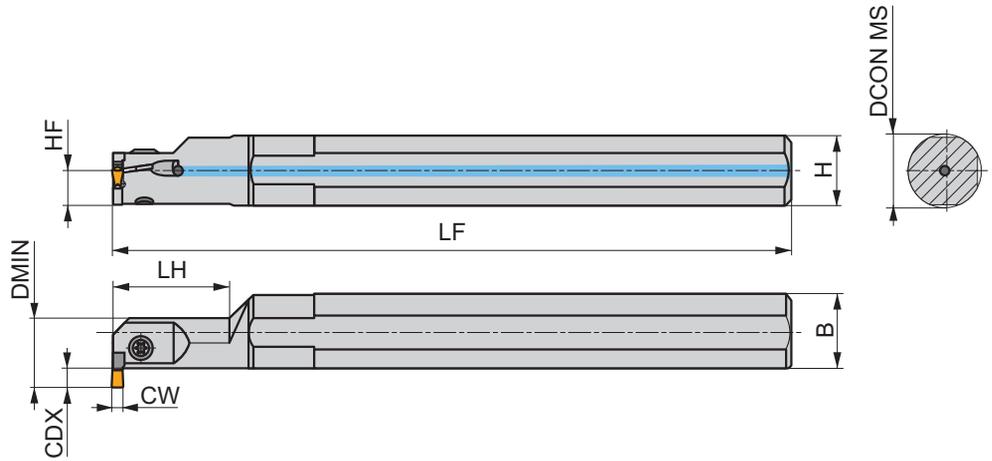
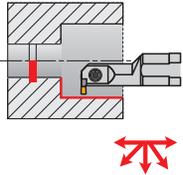
PRAMET

G



Utensile di Scanalatura interna per inserti LCM...

Bareno destro/sinistro per scanalatura interna con inserti LCM. Adatto per la scanalatura interna e tornitura multidirezionale. Corpo trattato per una maggiore durata.



Product	DCON MS (mm)	HF (mm)	H (mm)	B (mm)	LF (mm)	LH (mm)	CW (mm)	CDX (mm)	DMIN (mm)				
R A16Q-GGER 0313	16	7.5	15	15.5	180	25.0	3.00	3	16	✓	0.26	GI143	GL06
A20R-GGFR 0313	20	9	18	19	200	30.0	3.00	4.5	20	✓	0.38	GI143	GL06
A25S-GGHR 0313	25	11.5	23	24	250	40.0	3.00	6.5	25	✓	0.78	GI143	GL06
A25S-GGFR 0413	25	11.5	23	24	250	40.0	4.00	6.5	25	✓	0.78	GI170	GL06
L A16Q-GGEL 0313	16	7.5	15	15.5	180	25.0	3.00	3	16	✓	0.27	GI143	GL06
A20R-GGFL 0313	20	9	18	19	200	30.0	3.00	4.5	20	✓	0.38	GI143	GL06
A25S-GGHL 0313	25	11.5	23	24	250	40.0	3.00	6.5	25	✓	0.78	GI143	GL06



GI143
GI170

LCM. 0313..
LCM. 0413..



GL06

SR 85011-T15P

5.0

M5

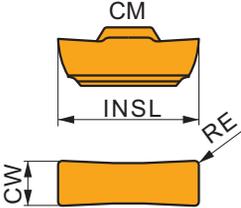
9

FLAGT15P

LCMF 13 - CM



	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
0313	3.00	-0.05	0.05	12.6
0413	4.00	-0.05	0.05	12.6



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		PSIRR (°)	PSIRL (°)
		vc (m/min)	f (mm/rev)												



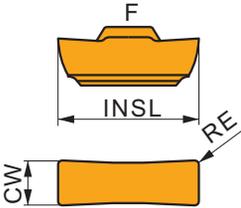
CM geometria primaria per operazioni di scanalatura.

LCMF 031304-CM:T8330	0.4	130	0.11	75	0.10	120	0.11	-	-	-	-	-	-	-	-
LCMF 041304-CM:T8330	0.4	130	0.11	75	0.10	120	0.11	-	-	-	-	-	-	-	-

LCMF 13 - F

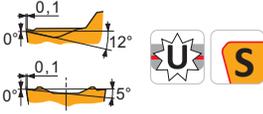


	CW (mm)	CWTOLL (mm)	CWTOLU (mm)	INSL (mm)
0313	3.00	-0.05	0.05	12.6
0413	4.00	-0.05	0.05	12.6



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc (m/min)	f (mm/rev)	ap (mm)															



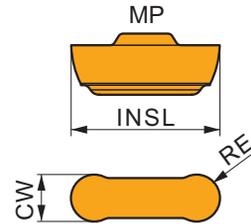
F geometria primaria per la tornitura.

LCMF 031302-F:T8330	0.2	195	0.10	0.3	115	0.09	0.3	185	0.10	0.3	-	-	-	-	-	-	-	-	-
LCMF 031304-F:T8330	0.4	185	0.13	0.5	110	0.12	0.5	175	0.13	0.5	-	-	-	-	-	-	-	-	-
LCMF 041304-F:T8330	0.4	185	0.13	0.5	110	0.12	0.5	175	0.13	0.5	-	-	-	-	-	-	-	-	-

LCMF 13 - MP

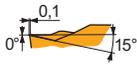


	CW	CWTOLL	CWTOLU	INSL
	(mm)	(mm)	(mm)	(mm)
0313	3.00	-0.05	0.05	12.6
0413	4.00	-0.05	0.05	12.6



Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P			M			K			N			S			H		
		vc	f	ap															
		(m/min)	(mm/rev)	(mm)															



MP geometria per operazioni di tornitura longitudinale e copiatura, per lavorazioni leggere e finitura, da taglio continuo a interrotto.

LCMF 0313MO-MP:T8330	1.5	190	0.30	0.8	110	0.27	0.8	180	0.30	0.8	-	-	-	-	-	-	-	-	-
LCMF 0413MO-MP:T8330	2.0	175	0.40	1.0	105	0.36	1.0	165	0.40	1.0	-	-	-	-	-	-	-	-	-

SCANALATURA DI O-RING E ANELLI DI SICUREZZA

	ESTERNO		INTERNO			
P61(RL) EXT 16x16 20x20 25x25						
P61(RL) INT DCON MS = 12 - 32 mm DMIN = 16 - 40 mm						
P615(RL)-1 INT DCON MS = 10 - 12 mm DMIN = 12.5 mm						
Scanalatura per anelli di sicurezza 	 X61 CW = 0,85 - 3,2	 X61-1 CW = 0,85 - 2,2	 X61-1 CW = 0,85 - 2,2			
Scanalatura per o-ring 	 X61 R RE = 1 - 1.5	 X61 R-1 RE = 0.5 - 1	 X61 R-1 RE = 0.5 - 1			

P61(RL) EXT

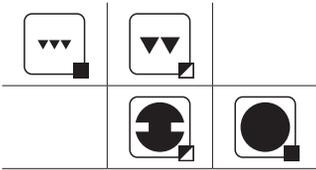
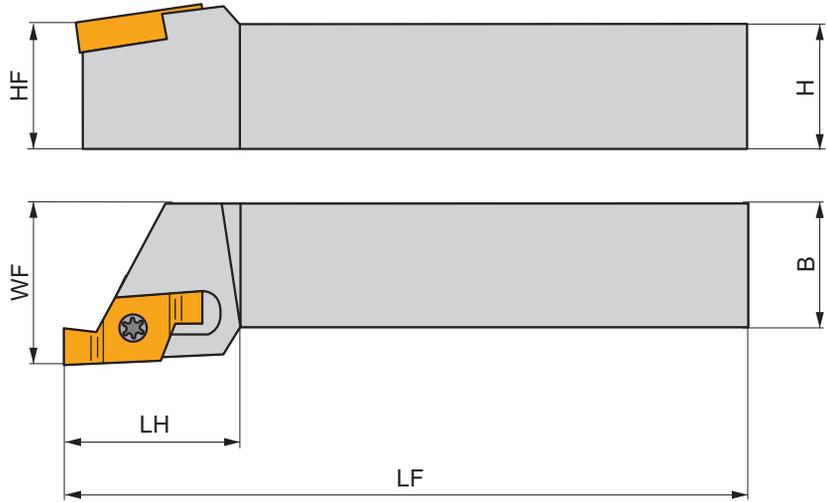
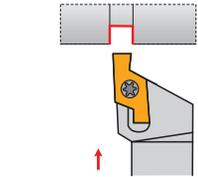


PRAMET



Utensile esterno per scanalatura con inserti X61 per Seeger e O-Ring

Utensile esterno destro / sinistro per scanalatura con inserti bi-taglienti X61 per anelli Seeger e O-ring. Fornisce un'azione di taglio regolare e dimensioni con tolleranze strette. Corpo trattato per una maggiore durata dell'utensile.



Product	≡	H	B	WF	LF	H	kg		
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)			
R P61.SFR-1616H-06	16	16	16	20	100	21.0	0.23	G1332_1	SV11
P61.SFR-2020K-06	20	20	20	25	125	25.0	0.40	G1332_1	SV11
P61.SFR-2525M-06	25	25	25	32	150	32.0	0.72	G1332_1	SV11
L P61.SFL-1616H-06	16	16	16	20	100	21.0	0.22	G1332_2	SV11
P61.SFL-2020K-06	20	20	20	25	125	25.0	0.41	G1332_2	SV11
P61.SFL-2525M-06	25	25	25	32	150	32.0	0.73	G1332_2	SV11

P61(RL) INT

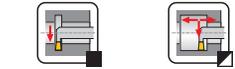
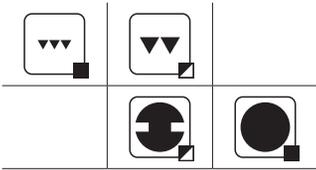
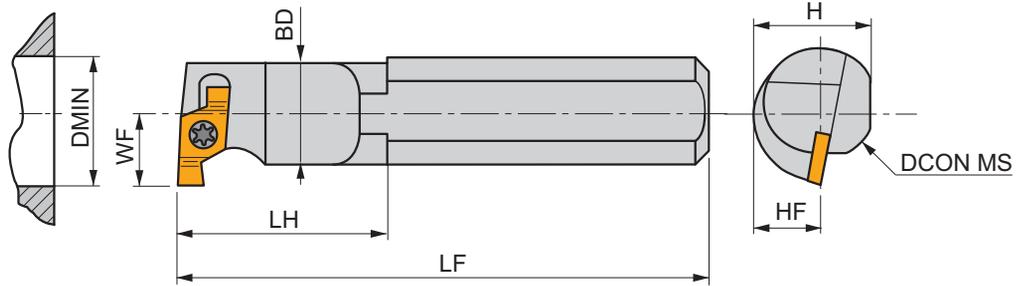
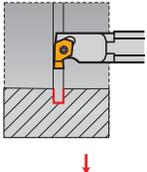


PRAMET



Utensile interno per Seeger per inserti X61

Bareno destro/sinistro per scanalatura interna per inserti bi-taglienti X61. Adatto per scanalature interne di anelli Seeger o O-ring. Corpo trattato per una maggiore durata.



Product	DCON MS	DMIN	BD	WF	H	LF	LH	KAPR				
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(°)					
R	P61.SGR-0012M-06	12	16	11.5	9	150	22.0	0	-	0.16	GI332_2	SV11
	P61.SGR-A-0016M-06	16	20	15	11	150	29.0	0	✓	0.23	GI332_2	SV11
	P61.SGR-A-0020P-06	20	25	19	13	170	29.0	0	✓	0.38	GI332_2	SV11
	P61.SGR-A-0025R-06	25	32	24	17	200	31.0	0	✓	0.70	GI332_2	SV11
	P61.SGR-A-0032T-06	32	40	31	22	300	49.0	0	✓	1.72	GI332_2	SV11
L	P61.SGL-0012M-06	12	16	11.5	9	150	22.0	0	-	0.16	GI332_1	SV11
	P61.SGL-A-0016M-06	16	20	15	11	150	29.0	0	✓	0.23	GI332_1	SV11
	P61.SGL-A-0020P-06	20	25	19	13	170	29.0	0	✓	0.39	GI332_1	SV11
	P61.SGL-A-0025R-06	25	32	24	17	200	31.0	0	✓	0.71	GI332_1	SV11
	P61.SGL-A-0032T-06	32	40	31	22	300	49.0	0	✓	1.72	GI332_1	SV11

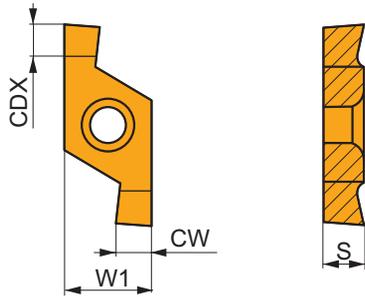
SV11	US 2003-T07P	0.8	M 2.5	6.5	FLAG T07P

Montaggio dell'inserto sinistro sulla barra di alesatura destra.

X 61

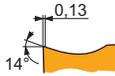


	W1	CWTOLL	CWTOLU	S
	(mm)	(mm)	(mm)	(mm)
0602	6.350	-0.03	0.03	2.33



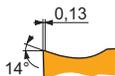
Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		CW (mm)	CDX (mm)
		vc (m/min)	f (mm/rev)												



X61-R esterno e interno, geometria versione destra, per scanalatura sedi O-ring e anelli Seeger, taglio continuo.

X61 0602-080 R:6640	●	–	■	195	0.06	■	115	0.05	■	185	0.06	–	–	–	–	0.85	0.8
X61 0602-080 R:G8330	●	–	■	145	0.06	■	85	0.05	■	135	0.06	–	–	–	–	0.85	0.8
X61 0602-090 R:6640	●	–	■	195	0.06	■	115	0.05	■	185	0.06	–	–	–	–	0.95	0.8
X61 0602-090 R:G8330	●	–	■	145	0.06	■	85	0.05	■	135	0.06	–	–	–	–	0.95	0.8
X61 0602-100 R:6640	●	–	■	195	0.06	■	115	0.05	■	185	0.06	–	–	–	–	1.05	0.8
X61 0602-100 R:G8330	●	–	■	145	0.06	■	85	0.05	■	135	0.06	–	–	–	–	1.05	0.8
X61 0602-110 R:6640	●	–	■	185	0.06	■	110	0.05	■	175	0.06	–	–	–	–	1.15	1.2
X61 0602-110 R:G8330	●	–	■	140	0.06	■	80	0.05	■	130	0.06	–	–	–	–	1.15	1.2
X61 0602-130 R:6640	●	–	■	185	0.06	■	110	0.05	■	175	0.06	–	–	–	–	1.35	1.4
X61 0602-130 R:G8330	●	–	■	140	0.06	■	80	0.05	■	130	0.06	–	–	–	–	1.35	1.4
X61 0602-150 R:6640	●	–	■	180	0.06	■	105	0.05	■	170	0.06	–	–	–	–	1.55	1.6
X61 0602-150 R:G8330	●	–	■	135	0.06	■	80	0.05	■	125	0.06	–	–	–	–	1.55	1.6
X61 0602-160 R:6640	●	–	■	180	0.06	■	105	0.05	■	170	0.06	–	–	–	–	1.65	1.7
X61 0602-160 R:G8330	●	–	■	135	0.06	■	80	0.05	■	125	0.06	–	–	–	–	1.65	1.7
X61 0602-185 R:6640	●	–	■	150	0.09	■	90	0.08	■	140	0.09	–	–	–	–	1.90	2
X61 0602-185 R:G8330	●	–	■	120	0.09	■	70	0.08	■	110	0.09	–	–	–	–	1.90	2
X61 0602-200 R:G8330	●	–	■	115	0.09	■	65	0.08	■	105	0.09	–	–	–	–	2.05	2.2
X61 0602-215 R:6640	●	–	■	145	0.09	■	85	0.08	■	135	0.09	–	–	–	–	2.20	2.4
X61 0602-215 R:G8330	●	–	■	115	0.09	■	65	0.08	■	105	0.09	–	–	–	–	2.20	2.4
X61 0602-250 R:G8330	●	–	■	115	0.09	■	65	0.08	■	105	0.09	–	–	–	–	2.55	2.6
X61 0602-265 R:6640	●	–	■	125	0.12	■	75	0.11	■	115	0.12	–	–	–	–	2.70	2.7
X61 0602-265 R:G8330	●	–	■	105	0.12	■	60	0.11	■	95	0.12	–	–	–	–	2.70	2.7
X61 0602-300 R:6640	●	–	■	125	0.12	■	75	0.11	■	115	0.12	–	–	–	–	3.05	3
X61 0602-300 R:G8330	●	–	■	105	0.12	■	60	0.11	■	95	0.12	–	–	–	–	3.05	3
X61 0602-315 R:6640	●	–	■	125	0.12	■	75	0.11	■	115	0.12	–	–	–	–	3.20	3
X61 0602-315 R:G8330	●	–	■	105	0.12	■	60	0.11	■	95	0.12	–	–	–	–	3.20	3

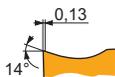


X61-L esterno e interno, geometria versione sinistra, per scanalatura sedi O-ring e anelli Seeger, taglio continuo.

X61 0602-080 L:6640	●	–	■	195	0.06	■	115	0.05	■	185	0.06	–	–	–	–	0.85	0.8
X61 0602-080 L:G8330	●	–	■	145	0.06	■	85	0.05	■	135	0.06	–	–	–	–	0.85	0.8
X61 0602-090 L:6640	●	–	■	195	0.06	■	115	0.05	■	185	0.06	–	–	–	–	0.95	0.8
X61 0602-090 L:G8330	●	–	■	145	0.06	■	85	0.05	■	135	0.06	–	–	–	–	0.95	0.8
X61 0602-100 L:6640	●	–	■	195	0.06	■	115	0.05	■	185	0.06	–	–	–	–	1.05	0.8
X61 0602-100 L:G8330	●	–	■	145	0.06	■	85	0.05	■	135	0.06	–	–	–	–	1.05	0.8
X61 0602-110 L:6640	●	–	■	185	0.06	■	110	0.05	■	175	0.06	–	–	–	–	1.15	1.2
X61 0602-110 L:G8330	●	–	■	140	0.06	■	80	0.05	■	130	0.06	–	–	–	–	1.15	1.2
X61 0602-130 L:6640	●	–	■	185	0.06	■	110	0.05	■	175	0.06	–	–	–	–	1.35	1.4
X61 0602-130 L:G8330	●	–	■	140	0.06	■	80	0.05	■	130	0.06	–	–	–	–	1.35	1.4

Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		CW (mm)	CDX (mm)
		vc (m/min)	f (mm/rev)												



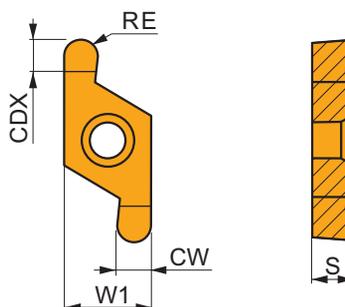
X61-L esterno e interno, geometria versione sinistra, per scanalatura sedi O-ring e anelli Seeger, taglio continuo.

X61 0602-150 L:6640	●	–	■	180	0.06	■	105	0.05	■	170	0.06	–	–	–	–	1.55	1.6
X61 0602-150 L:G8330	●	–	■	135	0.06	■	80	0.05	■	125	0.06	–	–	–	–	1.55	1.6
X61 0602-160 L:6640	●	–	■	180	0.06	■	105	0.05	■	170	0.06	–	–	–	–	1.65	1.7
X61 0602-160 L:G8330	●	–	■	135	0.06	■	80	0.05	■	125	0.06	–	–	–	–	1.65	1.7
X61 0602-185 L:6640	●	–	■	150	0.09	■	90	0.08	■	140	0.09	–	–	–	–	1.90	2
X61 0602-185 L:G8330	●	–	■	120	0.09	■	70	0.08	■	110	0.09	–	–	–	–	1.90	2
X61 0602-200 L:G8330	●	–	■	115	0.09	■	65	0.08	■	105	0.09	–	–	–	–	2.05	2.2
X61 0602-215 L:6640	●	–	■	145	0.09	■	85	0.08	■	135	0.09	–	–	–	–	2.20	2.4
X61 0602-215 L:G8330	●	–	■	115	0.09	■	65	0.08	■	105	0.09	–	–	–	–	2.20	2.4
X61 0602-250 L:G8330	●	–	■	115	0.09	■	65	0.08	■	105	0.09	–	–	–	–	2.55	2.6
X61 0602-265 L:6640	●	–	■	125	0.12	■	75	0.11	■	115	0.12	–	–	–	–	2.70	2.7
X61 0602-265 L:G8330	●	–	■	105	0.12	■	60	0.11	■	95	0.12	–	–	–	–	2.70	2.7
X61 0602-300 L:6640	●	–	■	125	0.12	■	75	0.11	■	115	0.12	–	–	–	–	3.05	3
X61 0602-300 L:G8330	●	–	■	105	0.12	■	60	0.11	■	95	0.12	–	–	–	–	3.05	3
X61 0602-315 L:6640	●	–	■	125	0.12	■	75	0.11	■	115	0.12	–	–	–	–	3.20	3
X61 0602-315 L:G8330	●	–	■	105	0.12	■	60	0.11	■	95	0.12	–	–	–	–	3.20	3

X 61 R



	W1 (mm)	CWTOLL (mm)	CWTOLU (mm)	S (mm)
0602	6.350	-0.03	0.03	2.33



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		CW (mm)	CDX (mm)
		vc (m/min)	f (mm/rev)												



X61-R esterno e interno, geometria versione destra, per scanalatura sedi O-ring e anelli Seeger, taglio continuo.

X61 0602-R100 R:6640	●	1.0	■	170	0.06	■	100	0.05	■	160	0.06	–	–	–	–	2.09	3
X61 0602-R100 R:G8330	●	1.0	■	130	0.06	■	75	0.05	■	120	0.06	–	–	–	–	2.09	3
X61 0602-R150 R:6640	●	1.5	■	175	0.06	■	105	0.05	■	165	0.06	–	–	–	–	3.09	3
X61 0602-R150 R:G8330	●	1.5	■	135	0.06	■	80	0.05	■	125	0.06	–	–	–	–	3.09	3



X61-L esterno e interno, geometria versione sinistra, per scanalatura sedi O-ring e anelli Seeger, taglio continuo.

X61 0602-R100 L:6640	●	1.0	■	170	0.06	■	100	0.05	■	160	0.06	–	–	–	–	2.09	3
X61 0602-R100 L:G8330	●	1.0	■	130	0.06	■	75	0.05	■	120	0.06	–	–	–	–	2.09	3
X61 0602-R150 L:6640	●	1.5	■	175	0.06	■	105	0.05	■	165	0.06	–	–	–	–	3.09	3
X61 0602-R150 L:G8330	●	1.5	■	135	0.06	■	80	0.05	■	125	0.06	–	–	–	–	3.09	3

P61S(RL)-1 INT

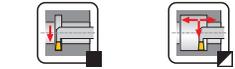
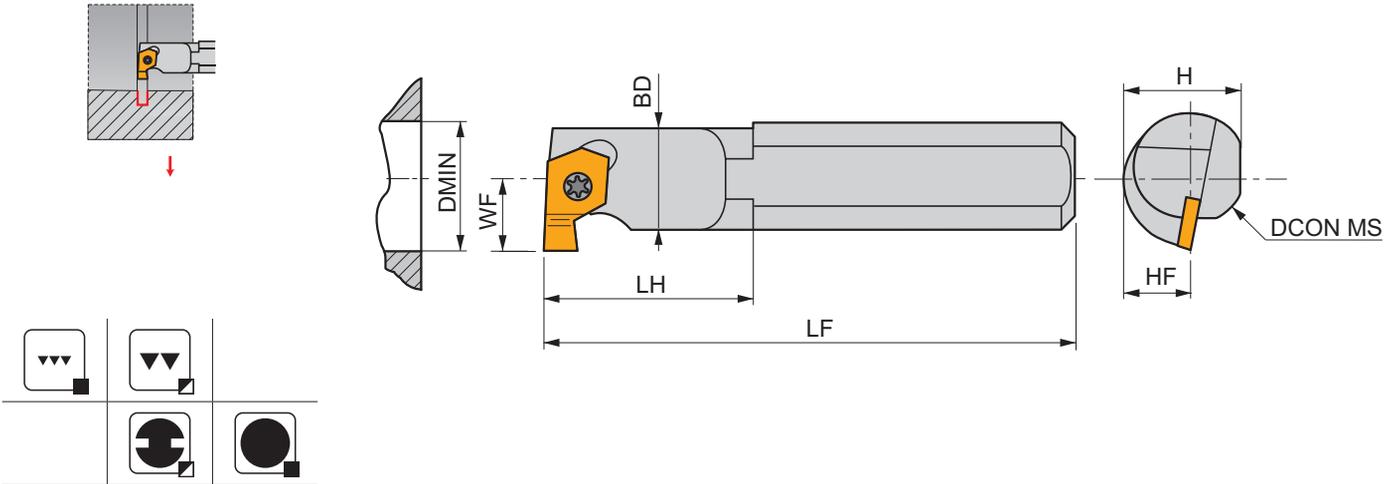


PRAMET



Utensile interno per Seeger per inserti X61-1

Bareno destro/sinistro per scanalatura interna per inserti mono-tagliante X61-1. Adatto per scanalature interne di anelli Seeger o O-ring. Corpo trattato per una maggiore durata.



Product	DCON MS	DMIN	BD	WF	H	LF	LH	KAPR	kg	G1333_2	SV11
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(°)			
R P61.SGR-0010M-06/1	10	12.5	10	7.5	9	150	19.0	0	0.12	G1333_2	SV11
P61.SGR-0012M-06/1	12	12.5	10	7.5	11	150	19.0	0	0.16	G1333_2	SV11
L P61.SGL-0010M-06/1	10	12.5	10	7.5	9	150	19.0	0	0.12	G1333_1	SV11
P61.SGL-0012M-06/1	12	12.5	10	7.5	11	150	19.0	0	0.16	G1333_1	SV11

G1333_1	X61 0602..-1 R

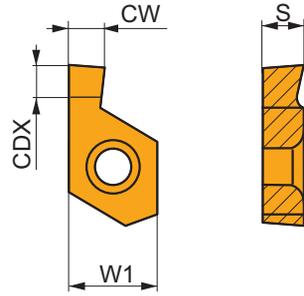
SV11	US 2003-T07P	0.8	M 2.5	6.5	FLAG T07P

Montaggio dell'inserto sinistro sulla barra di alesatura destra.

X 61-1

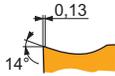


	W1	CWTOLL	CWTOLU	S
	(mm)	(mm)	(mm)	(mm)
0602	6.350	-0.03	0.03	2.33



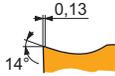
Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		CW (mm)	CDX (mm)
		vc (m/min)	f (mm/rev)												



X61-1-R interno, geometria versione destra, mono tagliente per scanalatura sedi O-ring e anelli Seeger, taglio continuo.

X61 0602-080 R1:6640	●	–	■	195	0.06	■	115	0.05	■	185	0.06	–	–	–	–	0.85	0.8
X61 0602-090 R1:6640	●	–	■	195	0.06	■	115	0.05	■	185	0.06	–	–	–	–	0.95	0.8
X61 0602-110 R1:6640	●	–	■	185	0.06	■	110	0.05	■	175	0.06	–	–	–	–	1.15	1.2
X61 0602-130 R1:6640	●	–	■	185	0.06	■	110	0.05	■	175	0.06	–	–	–	–	1.35	1.4
X61 0602-160 R1:6640	●	–	■	180	0.06	■	105	0.05	■	170	0.06	–	–	–	–	1.65	1.7
X61 0602-185 R1:6640	●	–	■	150	0.09	■	90	0.08	■	140	0.09	–	–	–	–	1.90	2
X61 0602-215 R1:6640	●	–	■	145	0.09	■	85	0.08	■	135	0.09	–	–	–	–	2.20	2.2



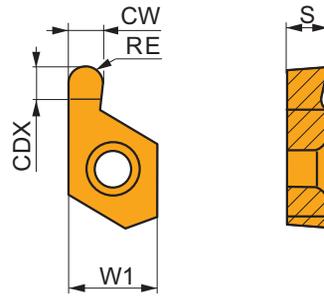
X61-1-L interno, geometria versione sinistra, mono tagliente per scanalatura sedi O-ring e anelli Seeger, taglio continuo.

X61 0602-080 L1:6640	●	–	■	195	0.06	■	115	0.05	■	185	0.06	–	–	–	–	0.85	0.8
X61 0602-090 L1:6640	●	–	■	195	0.06	■	115	0.05	■	185	0.06	–	–	–	–	0.95	0.8
X61 0602-110 L1:6640	●	–	■	185	0.06	■	110	0.05	■	175	0.06	–	–	–	–	1.15	1.2
X61 0602-130 L1:6640	●	–	■	185	0.06	■	110	0.05	■	175	0.06	–	–	–	–	1.35	1.4
X61 0602-160 L1:6640	●	–	■	180	0.06	■	105	0.05	■	170	0.06	–	–	–	–	1.65	1.7
X61 0602-185 L1:6640	●	–	■	150	0.09	■	90	0.08	■	140	0.09	–	–	–	–	1.90	2
X61 0602-215 L1:6640	●	–	■	145	0.09	■	85	0.08	■	135	0.09	–	–	–	–	2.20	2.2

X 61 R-1



	W1	CWTOLL	CWTOLU	S
	(mm)	(mm)	(mm)	(mm)
0602	6.350	-0.03	0.03	2.33



Idoneità e valori iniziali per velocità di taglio (Vc) e avanzamento (f). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P		M		K		N		S		H		CW (mm)	CDX (mm)
		vc (m/min)	f (mm/rev)												



X61R-1-R interno, geometria versione destra, mono tagliente per scanalatura sedi O-ring e anelli Seeger, taglio continuo.

X61 0602-R050 R1:6640	● 0.5	■ 145	■ 0.06	■ 85	■ 0.05	■ 135	■ 0.06	■ -	■ -	■ -	■ -	■ -	■ -	1.09	1.3
X61 0602-R100 R1:6640	● 1.0	■ 170	■ 0.06	■ 100	■ 0.05	■ 160	■ 0.06	■ -	■ -	■ -	■ -	■ -	■ -	2.09	2.8



X61R-1-L interno, geometria versione sinistra, mono tagliente per scanalatura sedi O-ring e anelli Seeger, taglio continuo.

X61 0602-R050 L1:6640	● 0.5	■ 145	■ 0.06	■ 85	■ 0.05	■ 135	■ 0.06	■ -	■ -	■ -	■ -	■ -	■ -	1.09	1.3
X61 0602-R100 L1:6640	● 1.0	■ 170	■ 0.06	■ 100	■ 0.05	■ 160	■ 0.06	■ -	■ -	■ -	■ -	■ -	■ -	2.09	2.8



FILETTATURA

INSERTI DI FILETTATURA - NAVIGATORE

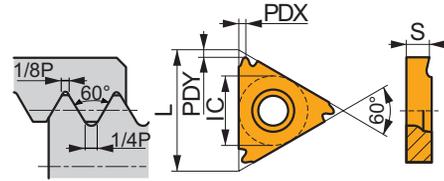
		PROFILO COMPLETO		PROFILO PARZIALE	
		ESTERNO	INTERNO	ESTERNO	INTERNO
ECONOMY LINE -P1 (sinterizzato)	M		M		60°-PP
	UN		UN		60°-PP
	W		W		55°-PP
	NPT		NPT		
LINEA DI PRECISIONE (rettificato)	M		M		
	M-AL		M-AL	60°-PP	60°-PP
	UN		UN		
	W		W	55°-PP	55°-PP
	TR-S		TR-S	M-S PP	M-S PP

		FULL PROFILE			
		ESTERNO	INTERNO	ESTERNO	INTERNO
LINEA DI PRECISIONE (rettificato)	TR		TR	ACME	ACME
	BSPT		BSPT		STACME
	RD		RD	NPT	NPT
				API RD	API RD

TN UN EXT -P1

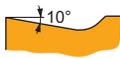


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



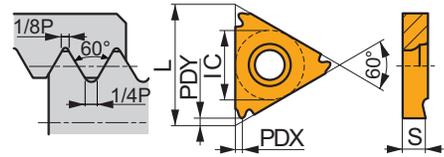
TN UN-P1 ER ,stampato ,esterno destro, per la realizzazione di filettature Unificate , per taglio continuo.

TN 16ER200UN-P1:T8030	●	–	160	95	150	480	40	–	–	20.0	0.8	0.8
TN 16ER180UN-P1:T8030	●	–	160	95	150	480	40	–	–	18.0	0.8	0.8
TN 16ER160UN-P1:T8030	●	–	160	95	150	480	40	–	–	16.0	0.8	0.8
TN 16ER140UN-P1:T8030	●	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16ER120UN-P1:T8030	●	–	160	95	150	480	40	–	–	12.0	1.5	1.2

TN UN INT -P1

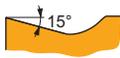


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



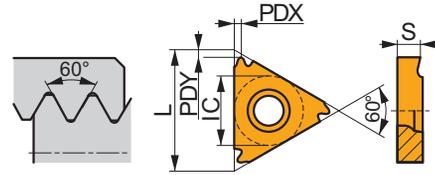
TN UN-P1 NR ,stampato , interno destro, per la realizzazione di filettature Unificate , per taglio continuo.

TN 16NR200UN-P1:T8030	●	–	160	95	150	480	40	–	–	20.0	0.8	0.8
TN 16NR180UN-P1:T8030	●	–	160	95	150	480	40	–	–	18.0	0.8	0.8
TN 16NR160UN-P1:T8030	●	–	160	95	150	480	40	–	–	16.0	0.8	0.8
TN 16NR140UN-P1:T8030	●	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16NR120UN-P1:T8030	●	–	160	95	150	480	40	–	–	12.0	1.5	1.2

TN 60° PP EXT -P1

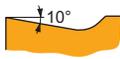


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)						



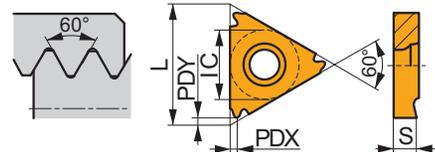
TN M60-P1 PP ER stampato esterno destro, per operazioni di filettatura Metrica e Unificata, taglio continuo.

TN 16ERA60-P1:T8030	●	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.6
TN 16ERAG60-P1:T8030	●	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 16ERG60-P1:T8030	●	–	160	95	150	480	40	–	1.75	3.00	8	14	1.5	1.2

TN 60° PP INT -P1



	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)						



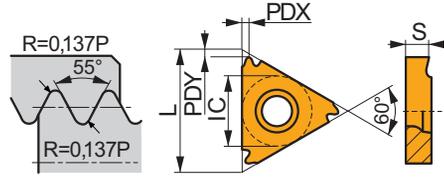
TN M60-P1 PP NR stampato interno destro, per operazioni di filettatura Metrica e Unificata, taglio continuo.

TN 11NRA60-P1:T8030	●	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.7
TN 16NRAG60-P1:T8030	●	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 16NRG60-P1:T8030	●	–	160	95	150	480	40	–	1.75	3.00	8	14	1.5	1.2

TN W EXT -P1

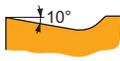


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



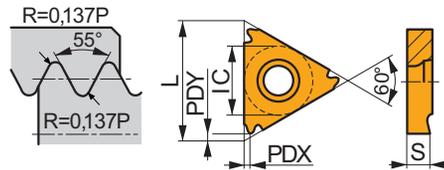
TN W-P1 ER esterno destro, geometria stampata di precisione, per operazioni di filettatura Whitworth, taglio continuo.

TN 16ER190W-P1:T8030	●	–	160	95	150	480	40	–	–	19.0	0.8	0.8
TN 16ER140W-P1:T8030	●	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16ER110W-P1:T8030	●	–	160	95	150	480	40	–	–	11.0	1.5	1.2

TN W INT -P1

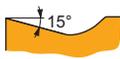


	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



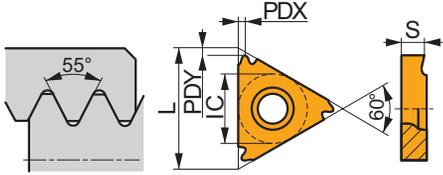
TN W-P1 NR interno destro, geometria stampata di precisione, per operazioni di filettatura Whitworth, taglio continuo.

TN 11NR190W-P1:T8030	●	–	160	95	150	480	40	–	–	19.0	0.8	0.8
TN 11NR140W-P1:T8030	●	–	160	95	150	480	40	–	–	14.0	0.9	0.7
TN 16NR140W-P1:T8030	●	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16NR110W-P1:T8030	●	–	160	95	150	480	40	–	–	11.0	1.5	1.2

TN 55° PP EXT -P1

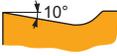


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)						



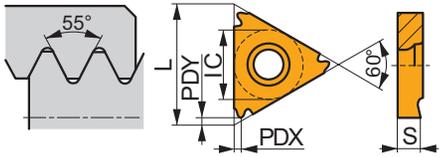
TN W55-P1 PP ER stampato esterno destro, per operazioni di filettatura Whitworth, taglio continuo.

TN 16ERAG55-P1:T8030	●	-	160	95	150	480	40	-	0.50	3.00	8	48	-	-
TN 16ERG55-P1:T8030	●	-	160	95	150	480	40	-	1.75	3.00	8	14	-	-

TN 55° PP INT -P1

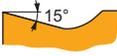
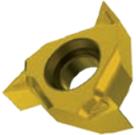


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)						



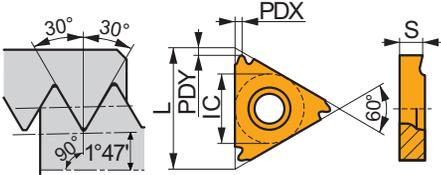
TN W55-P1 PP NR stampato interno destro, per operazioni di filettatura Whitworth, taglio continuo.

TN 16NRAG55-P1:T8030	●	-	160	95	150	480	40	-	0.50	1.50	16	48	-	-
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TN NPT EXT -P1

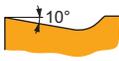


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)



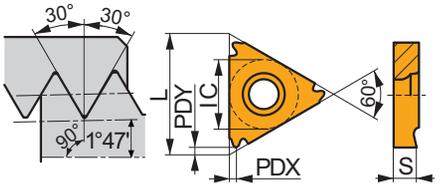
TN NPT-P1 ER stampato esterno destro, per operazioni di filettatura NPT, taglio continuo.

TN 16ER115NPT-P1:T8030	●	-	■	160	■	95	■	150	■	480	■	40	■	-	-	11.5	-	-
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TN NPT INT -P1

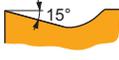


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)



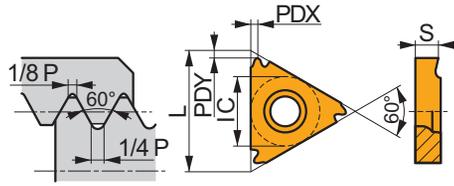
TN NPT-P1 NR stampato interno destro, per operazioni di filettatura NPT, taglio continuo.

TN 16NR115NPT-P1:T8030	●	-	■	160	■	95	■	150	■	480	■	40	■	-	-	11.5	-	-
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TN M EXT



	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



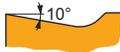
Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



TN M ER, esterno destro, per la realizzazione di filettature Metriche ISO ,per taglio continuo.

TN 16ER050M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	0.50	–	0.8	0.8	
TN 16ER050M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	0.50	–	0.8	0.8
TN 16ER075M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	0.75	–	0.8	0.8	
TN 16ER075M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	0.75	–	0.8	0.8
TN 16ER080M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	0.80	–	0.6	0.8
TN 16ER100M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	1.00	–	0.8	0.8	
TN 16ER100M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	1.00	–	0.8	0.8
TN 16ER125M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	1.25	–	0.8	0.8	
TN 16ER125M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	1.25	–	0.8	0.8
TN 16ER150M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	1.50	–	0.8	0.8	
TN 16ER150M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	1.50	–	0.8	0.8
TN 16ER175M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	1.75	–	1.5	1.2	
TN 16ER175M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	1.75	–	1.5	1.2
TN 16ER200M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	2.00	–	1.5	1.2	
TN 16ER200M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	2.00	–	1.5	1.2
TN 16ER250M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	2.50	–	1.5	1.2	
TN 16ER250M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	2.50	–	1.5	1.2
TN 16ER300M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	3.00	–	1.5	1.2	
TN 16ER300M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	3.00	–	1.5	1.2
TN 16ER350M:T8030 ¹⁾	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	3.50	–	1.7	1.2
TN 22ER350M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	3.50	–	2.5	1.8
TN 22ER400M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	4.00	–	2.5	1.8	
TN 22ER400M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	4.00	–	2.5	1.8
TN 22ER450M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	4.50	–	2.5	1.8
TN 22ER500M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	5.00	–	2.5	1.8



TN M EL esterno sinistro, per operazioni di filettatura Metrica, taglio continuo.

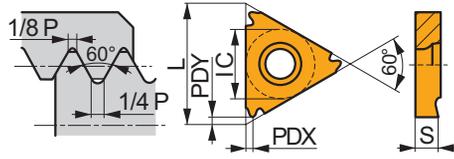
TN 16EL050M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	0.50	–	0.8	0.8
TN 16EL075M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	0.75	–	0.8	0.8
TN 16EL080M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	0.80	–	0.6	0.8
TN 16EL100M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	1.00	–	0.8	0.8	
TN 16EL100M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	1.00	–	0.8	0.8
TN 16EL125M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	1.25	–	0.8	0.8
TN 16EL150M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	1.50	–	0.8	0.8	
TN 16EL150M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	1.50	–	0.8	0.8
TN 16EL175M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	1.75	–	1.5	1.2
TN 16EL200M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	2.00	–	1.5	1.2
TN 16EL250M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	2.50	–	1.5	1.2
TN 16EL300M:T8010	●	–	■	175	▣	105	■	165	–	▣	40	–	3.00	–	1.5	1.2	
TN 16EL300M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	3.00	–	1.5	1.2
TN 22EL350M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	3.50	–	2.5	1.8
TN 22EL400M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	4.00	–	2.5	1.8
TN 22EL450M:T8030	●	–	■	160	▣	95	■	150	▣	480	▣	40	–	4.50	–	2.5	1.8

¹⁾ Toolholders have to be modified.

TN M INT

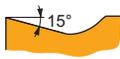
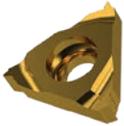


	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				

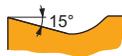


TN M NR, interno destro, per la realizzazione di filettature Metriche ISO , per taglio continuo.

TN 11NR050M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	0.50	–	0.8	0.8
TN 11NR075M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	0.75	–	0.8	0.8
TN 11NR075M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	0.75	–	0.8	0.8
TN 11NR100M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	1.00	–	0.8	0.8
TN 11NR125M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	1.25	–	0.8	0.8
TN 11NR150M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	1.50	–	0.8	0.8
TN 11NR150M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	1.50	–	0.8	0.8
TN 11NR200M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	2.00	–	0.9	0.8
TN 11NR200M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	2.00	–	0.9	0.8
TN 16NR050M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	0.50	–	0.8	0.8
TN 16NR075M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	0.75	–	0.8	0.8
TN 16NR100M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	1.00	–	0.8	0.8
TN 16NR100M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	1.00	–	0.8	0.8
TN 16NR125M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	1.25	–	0.8	0.8
TN 16NR150M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	1.50	–	0.8	0.8
TN 16NR150M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	1.50	–	0.8	0.8
TN 16NR175M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	1.75	–	1.5	1.2
TN 16NR200M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	2.00	–	1.5	1.2
TN 16NR200M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	2.00	–	1.5	1.2
TN 16NR250M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	2.50	–	1.5	1.2
TN 16NR250M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	2.50	–	1.5	1.2
TN 16NR300M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	3.00	–	1.5	1.2
TN 16NR300M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	3.00	–	1.5	1.2
TN 16NR350M:T8030 ¹⁾	●	–	■	160	■	95	■	150	☑	480	☑	40	–	3.50	–	1.6	1.2
TN 22NR350M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	3.50	–	2.5	1.8
TN 22NR400M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	4.00	–	2.5	1.8
TN 22NR400M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	4.00	–	2.5	1.8
TN 22NR450M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	4.50	–	2.5	1.8
TN 22NR450M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	4.50	–	2.5	1.8
TN 22NR500M:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	5.00	–	2.5	1.8
TN 22NR500M:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	5.00	–	2.5	1.8

Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



TN M NL, interno sinistro, per la realizzazione di filettature Metriche ISO, per taglio continuo.

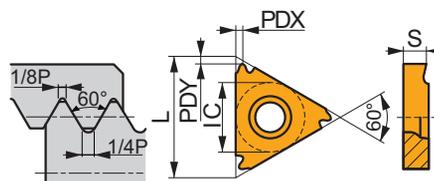
TN 11NL050M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	0.50	–	0.8	0.8
TN 11NL100M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	1.00	–	0.8	0.8
TN 11NL150M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	1.50	–	0.8	0.8
TN 11NL200M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	2.00	–	0.9	0.8
TN 16NL100M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	1.00	–	0.8	0.8
TN 16NL125M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	1.25	–	0.8	0.8
TN 16NL150M:T8010	●	–	■	175	▣	105	■	165	–	–	▣	40	–	1.50	–	0.8	0.8
TN 16NL150M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	1.50	–	0.8	0.8
TN 16NL175M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	1.75	–	1.5	1.2
TN 16NL200M:T8010	●	–	■	175	▣	105	■	165	–	–	▣	40	–	2.00	–	1.5	1.2
TN 16NL200M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	2.00	–	1.5	1.2
TN 16NL250M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	2.50	–	1.5	1.2
TN 16NL300M:T8010	●	–	■	175	▣	105	■	165	–	–	▣	40	–	3.00	–	1.5	1.2
TN 16NL300M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	3.00	–	1.5	1.2
TN 22NL350M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	3.50	–	2.5	1.8
TN 22NL400M:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	4.00	–	2.5	1.8

¹⁾ Toolholders have to be modified.

TN UN EXT

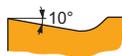
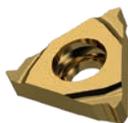


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				

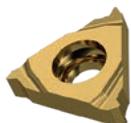


TN UN ER, esterno destro, per la realizzazione di filettature Unificate, per taglio continuo.

TN 16ER320UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	32.0	0.8	0.8
TN 16ER280UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	28.0	0.8	0.8
TN 16ER240UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	24.0	0.8	0.8
TN 16ER200UN:T8010	●	–	■	175	▣	105	■	165	–	–	▣	40	–	–	20.0	0.8	0.8
TN 16ER200UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	20.0	0.8	0.8
TN 16ER180UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	18.0	0.8	0.8
TN 16ER160UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	16.0	0.8	0.8
TN 16ER140UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	14.0	1.5	1.2
TN 16ER130UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	13.0	1.5	1.2
TN 16ER120UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	12.0	1.5	1.2
TN 16ER110UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	11.0	1.5	1.2
TN 16ER100UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	10.0	1.5	1.2
TN 16ER090UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	9.0	1.5	1.2
TN 16ER080UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	8.0	1.5	1.2
TN 22ER070UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	7.0	2.5	1.8
TN 22ER060UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	6.0	2.5	1.8

Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



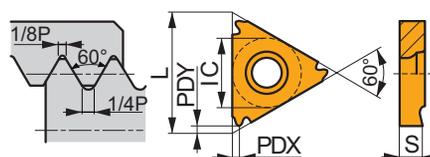
TN UN EL ,esterno sinistro, per la realizzazione di filettature Unificate , per taglio continuo.

TN 16EL200UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	20.0	0.8	0.8
TN 16EL120UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	12.0	1.5	1.2
TN 16EL100UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	10.0	1.5	1.2

TN UN INT

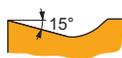
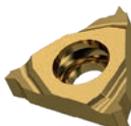


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



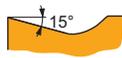
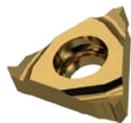
Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



TN UN NR interno destro, per operazioni di filettatura Unificata, taglio continuo.

TN 16NR200UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	20.0	0.8	0.8
TN 16NR180UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	18.0	0.8	0.8
TN 16NR160UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	16.0	0.8	0.8
TN 16NR140UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	14.0	1.5	1.2
TN 16NR120UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	12.0	1.5	1.2
TN 16NR110UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	11.0	1.5	1.2
TN 16NR100UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	10.0	1.5	1.2
TN 16NR080UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	8.0	1.5	1.2
TN 22NR050UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	5.0	2.5	1.8



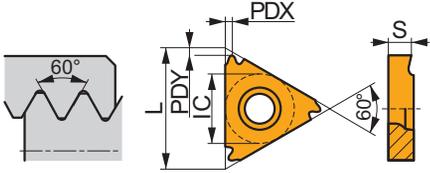
TN UN NL ,interno sinistro, per la realizzazione di filettature Unificate , per taglio continuo.

TN 16NL120UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	12.0	1.5	1.2
TN 16NL080UN:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	8.0	1.5	1.2

TN 60° PP EXT

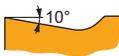


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



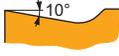
Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)						



TN M60 PP ER esterno destro, per operazioni di filettatura Metrica e Unificata, taglio continuo.

TN 16ERA60:T8030	●	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.6
TN 16ERAG60:T8010	●	–	175	105	165	–	40	–	0.50	3.00	8	48	1.5	1.1
TN 16ERAG60:T8030	●	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 16ERG60:T8010	●	–	175	105	165	–	40	–	1.75	3.00	8	14	1.5	1.1
TN 16ERG60:T8030	●	–	160	95	150	480	40	–	1.75	3.00	8	14	1.5	1.1
TN 22ERN60:T8010	●	–	175	105	165	–	40	–	3.50	5.00	5	7	2.5	1.8
TN 22ERN60:T8030	●	–	160	95	150	480	40	–	3.50	5.00	5	7	2.5	1.8



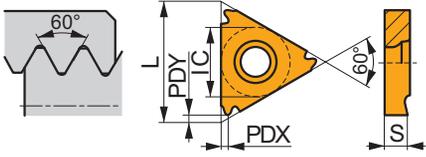
TN M60 PP EL esterno sinistro, per operazioni di filettatura Metrica e Unificata, taglio continuo.

TN 16ELA60:T8030	●	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.6
TN 16ELAG60:T8010	●	–	175	105	165	–	40	–	0.50	3.00	8	48	1.5	1.1
TN 16ELAG60:T8030	●	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 16ELG60:T8030	●	–	160	95	150	480	40	–	1.75	3.00	8	14	1.5	1.1
TN 22ELN60:T8030	●	–	160	95	150	480	40	–	3.50	5.00	5	7	2.5	1.8

TN 60° PP INT

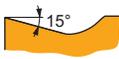


	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47
22	12.700	22.00	4.71



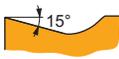
Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)						



TN M60 PP NR interno destro, per operazioni di filettatura Metrica e Unificata, taglio continuo.

TN 11NRA60:T8030	●	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.7
TN 16NRA60:T8030	●	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.7
TN 16NRAG60:T8010	●	–	175	105	165	–	40	–	0.50	3.00	8	48	1.5	1.1
TN 16NRAG60:T8030	●	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 16NRG60:T8030	●	–	160	95	150	480	40	–	1.75	3.00	8	14	1.5	1.1
TN 22NRN60:T8010	●	–	175	105	165	–	40	–	3.50	5.00	5	7	2.5	1.8
TN 22NRN60:T8030	●	–	160	95	150	480	40	–	3.50	5.00	5	7	2.5	1.8



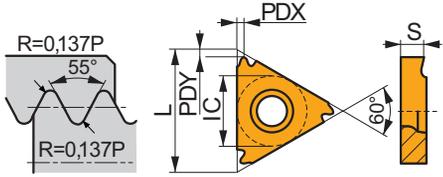
TN M60 PP NL interno sinistro, per operazioni di filettatura Metrica e Unificata, taglio continuo.

TN 11NLA60:T8030	●	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.7
TN 16NLAG60:T8030	●	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 22NLN60:T8030	●	–	160	95	150	480	40	–	3.50	5.00	5	7	2.5	1.8

TN W EXT

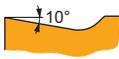


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



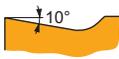
Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



TN W ER esterno destro, per operazioni di filettatura Whitworth, taglio continuo.

TN 16ER280W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	28.0	0.8	0.8
TN 16ER240W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	24.0	0.8	0.8
TN 16ER200W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	20.0	0.8	0.8
TN 16ER190W:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	–	19.0	0.8	0.8
TN 16ER190W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	19.0	0.8	0.8
TN 16ER180W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	18.0	0.8	0.8
TN 16ER160W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	16.0	0.8	0.8
TN 16ER140W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	14.0	1.5	1.2
TN 16ER120W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	12.0	1.5	1.2
TN 16ER110W:T8010	●	–	■	175	☑	105	■	165	–	–	☑	40	–	–	11.0	1.5	1.2
TN 16ER110W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	11.0	1.5	1.2
TN 16ER100W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	10.0	1.5	1.2
TN 16ER080W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	8.0	1.5	1.2
TN 22ER070W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	7.0	2.5	1.8
TN 22ER060W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	6.0	2.5	1.8
TN 22ER050W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	5.0	2.5	1.7



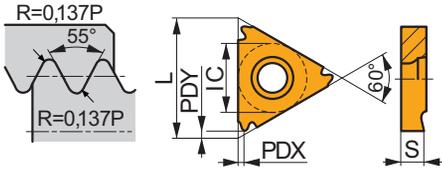
TN W EL esterno sinistro, per operazioni di filettatura Whitworth, taglio continuo.

TN 16EL190W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	19.0	0.8	0.8
TN 16EL140W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	14.0	1.5	1.2
TN 16EL120W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	12.0	1.5	1.2
TN 16EL110W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	11.0	1.5	1.2
TN 16EL100W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	10.0	1.5	1.2
TN 16EL080W:T8030	●	–	■	160	■	95	■	150	☑	480	☑	40	–	–	8.0	1.5	1.2

TN W INT

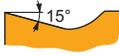
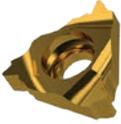


	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47
22	12.700	22.00	4.71



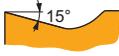
Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



TN W NR interno destro, per operazioni di filettatura Whitworth, taglio continuo.

TN 11NR190W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	19.0	0.8	0.8
TN 11NR140W:T8010	●	–	■	175	▣	105	■	165	–	–	–	40	–	–	14.0	0.9	0.7
TN 11NR140W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	14.0	0.9	0.7
TN 16NR280W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	28.0	0.8	0.8
TN 16NR190W:T8010	●	–	■	175	▣	105	■	165	–	–	–	40	–	–	19.0	0.8	0.8
TN 16NR190W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	19.0	0.8	0.8
TN 16NR160W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	16.0	0.8	0.8
TN 16NR140W:T8010	●	–	■	175	▣	105	■	165	–	–	–	40	–	–	14.0	1.5	1.2
TN 16NR140W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	14.0	1.5	1.2
TN 16NR120W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	12.0	1.5	1.2
TN 16NR110W:T8010	●	–	■	175	▣	105	■	165	–	–	–	40	–	–	11.0	1.5	1.2
TN 16NR110W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	11.0	1.5	1.2
TN 16NR100W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	10.0	1.5	1.2
TN 16NR090W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	9.0	1.5	1.2
TN 16NR080W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	8.0	1.5	1.2
TN 22NR060W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	6.0	2.5	1.8
TN 22NR050W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	5.0	2.5	1.7



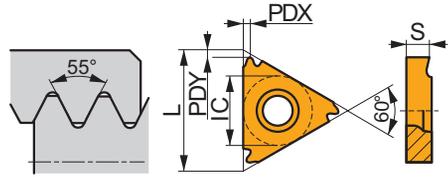
TN W NL interno sinistro, per operazioni di filettatura Whitworth, taglio continuo.

TN 16NL140W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	14.0	1.5	1.2
TN 16NL120W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	12.0	1.5	1.2
TN 16NL110W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	11.0	1.5	1.2
TN 16NL100W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	10.0	1.5	1.2
TN 16NL080W:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	–	8.0	1.5	1.2

TN 55° PP EXT

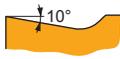


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)							



TN W55 PP ER esterno destro, per operazioni di filettatura Whitworth, taglio continuo.

TN 16ERA55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	0.50	1.50	16	48	0.8	0.6
TN 16ERAG55:T8010	●	–	■	175	▣	105	■	165	–	–	▣	40	–	0.50	3.00	8	48	1.5	1.1
TN 16ERAG55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	0.50	3.00	8	48	1.5	1.1
TN 16ERG55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	1.75	3.00	8	14	1.5	1.1
TN 22ERN55:T8010	●	–	■	175	▣	105	■	165	–	–	▣	40	–	3.50	5.00	5	7	2.5	1.8
TN 22ERN55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	3.50	5.00	5	7	2.5	1.8



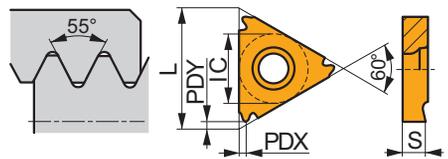
TN W55 PP EL esterno sinistro, per operazioni di filettatura Whitworth, taglio continuo.

TN 16ELAG55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	0.50	3.00	8	48	1.5	1.1
TN 16ELG55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	1.75	3.00	8	14	1.5	1.1
TN 22ELN55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	3.50	5.00	5	7	2.5	1.8

TN 55° PP INT



	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)							

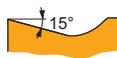


TN W55 PP NR interno destro, per operazioni di filettatura Whitworth, taglio continuo.

TN 11NRA55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	0.50	1.50	16	48	0.8	0.6
TN 16NRA55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	0.50	1.50	16	48	0.8	0.6
TN 16NRAG55:T8010	●	–	■	175	▣	105	■	165	–	–	▣	40	–	0.50	3.00	8	48	1.5	1.1
TN 16NRAG55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	0.50	3.00	8	48	1.5	1.1
TN 16NRG55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	1.75	3.00	8	14	1.5	1.1
TN 22NRN55:T8030	●	–	■	160	■	95	■	150	▣	480	▣	40	–	3.50	5.00	5	7	2.5	1.8

Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN	TPX	TPIN	TPIX	PDX	PDY
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)						



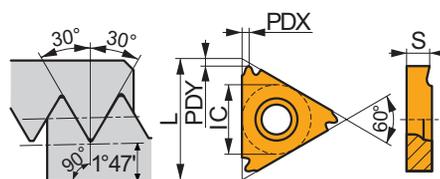
TN W55 PP NL interno sinistro, per operazioni di filettatura Whitworth, taglio continuo.

TN 11NLA55:T8030	●	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.6
TN 16NLA55:T8030	●	–	160	95	150	480	40	–	0.50	1.50	16	48	0.8	0.6
TN 16NLAG55:T8030	●	–	160	95	150	480	40	–	0.50	3.00	8	48	1.5	1.1
TN 16NLG55:T8030	●	–	160	95	150	480	40	–	1.75	3.00	8	14	1.5	1.1

TN NPT EXT

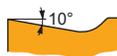


IC (mm)	L (mm)	S (mm)	
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP	TPI	PDX	PDY
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



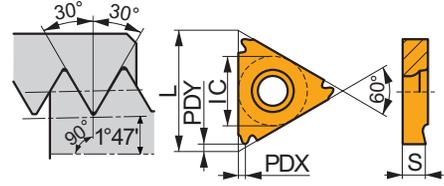
TN NPT ER esterno destro, per operazioni di filettatura NPT, taglio continuo.

TN 16ER270NPT:T8030	●	–	160	95	150	480	40	–	–	27.0	0.8	0.7
TN 16ER180NPT:T8030	●	–	160	95	150	480	40	–	–	18.0	0.8	0.7
TN 16ER140NPT:T8030	●	–	160	95	150	480	40	–	–	14.0	1.5	1.1
TN 16ER115NPT:T8030	●	–	160	95	150	480	40	–	–	11.5	1.5	1.1
TN 16ER080NPT:T8030	●	–	160	95	150	480	40	–	–	8.0	1.6	1.1

TN NPT INT

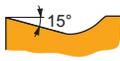
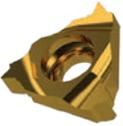


	IC (mm)	L (mm)	S (mm)
11	6.350	11.00	3.00
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



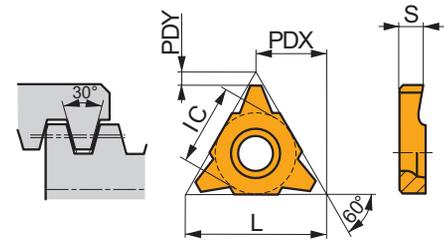
TN NPT NR interno destro, per operazioni di filettatura NPT, taglio continuo.

TN 11NR180NPT:T8030	●	–	160	95	150	480	40	–	–	18.0	0.8	0.7
TN 11NR140NPT:T8030	●	–	160	95	150	480	40	–	–	14.0	1.0	0.7
TN 16NR140NPT:T8010	●	–	175	105	165	–	40	–	–	14.0	1.5	1.1
TN 16NR140NPT:T8030	●	–	160	95	150	480	40	–	–	14.0	1.5	1.1
TN 16NR115NPT:T8010	●	–	175	105	165	–	40	–	–	11.5	1.5	1.1
TN 16NR115NPT:T8030	●	–	160	95	150	480	40	–	–	11.5	1.5	1.1
TN 16NR080NPT:T8030	●	–	160	95	150	480	40	–	–	8.0	1.6	1.1

TN TR-S EXT

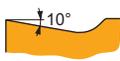


	IC (mm)	L (mm)	S (mm)
22	12.700	22.00	4.60



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



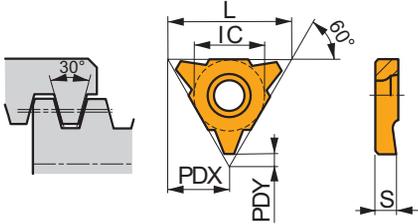
TN TR-S EN, esterno sinistro e destro, per la realizzazione di filettature Trapezoidali, per taglio continuo.

TN 22EN600TR:T8030	●	–	160	95	150	480	40	6.00	–	11.0	1.9
TN 22EN700TR:T8030	●	–	160	95	150	480	40	7.00	–	11.0	2.3

TN TR-S INT

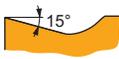


	IC (mm)	L (mm)	S (mm)
22	12.700	22.00	4.60



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



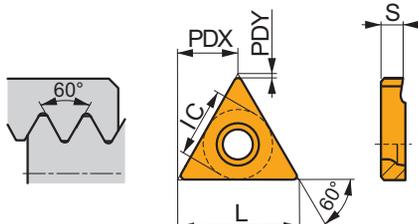
TN TR-S NN ,interno sinistro e destro, per la realizzazione di filettature Metriche e Unificate , per taglio continuo.

TN 22NN600TR:T8030	●	–	160	95	150	480	40	–	6.00	–	11.0	1.9
TN 22NN700TR:T8030	●	–	160	95	150	480	40	–	7.00	–	11.0	2.3

TN 60°-S PP EXT

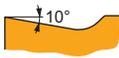


	IC (mm)	L (mm)	S (mm)
22	12.700	22.00	4.60



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN (mm)	TPX (mm)	TPIN	TPIX	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)						



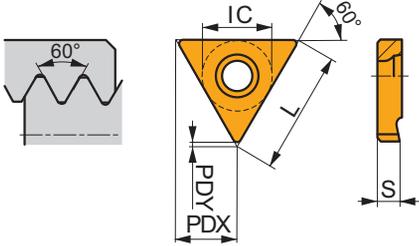
TN M60-S PP EN esterno con design neutro (destro e sinistro), per operazioni di filettatura Metrica e Unificata, taglio continuo.

TN 22EN350-500M:T8030	●	–	160	95	150	480	40	–	3.50	5.00	5	7	11.0	0.5
TN 22EN550-800M:T8030	●	–	160	95	150	480	40	–	5.50	8.00	3	4.5	11.0	0.8

TN 60°-S PP INT

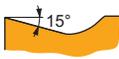


	IC (mm)	L (mm)	S (mm)
22	12.700	22.00	4.60



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TPN	TPX	TPIN	TPIX	PDX	PDY
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)						



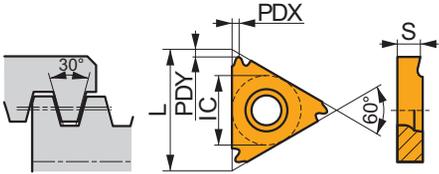
TN M60-S PP NN interno con design neutro (destra e sinistra), per operazioni di filettatura Metrica e Unificata, taglio continuo.

TN 22NN350-500M:T8030	●	–	160	95	150	480	40	–	3.50	5.00	5	7	11.0	0.2
TN 22NN550-800M:T8030	●	–	160	95	150	480	40	–	5.50	8.00	3	4.5	11.0	0.5

TN TR EXT

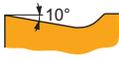


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



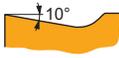
Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP	TPI	PDX	PDY
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



TN TR ER ,esterno destro, per la realizzazione di filettature Trapezoidali , per taglio continuo.

TN 16ER150TR:T8030	●	–	160	95	150	480	40	–	1.50	–	0.8	0.9
TN 16ER200TR:T8030	●	–	160	95	150	480	40	–	2.00	–	1.5	1.3
TN 16ER300TR:T8030	●	–	160	95	150	480	40	–	3.00	–	1.6	1.3
TN 22ER400TR:T8030	●	–	160	95	150	480	40	–	4.00	–	2.2	1.8
TN 22ER500TR:T8030	●	–	160	95	150	480	40	–	5.00	–	2.2	1.8



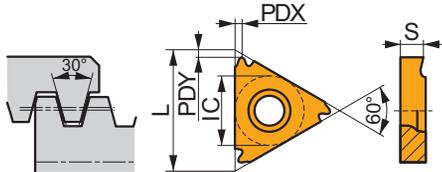
TN TR EL ,esterno sinistro, per la realizzazione di filettature Trapezoidali , per taglio continuo.

TN 16EL300TR:T8030	●	–	160	95	150	480	40	–	3.00	–	1.6	1.3
TN 22EL400TR:T8030	●	–	160	95	150	480	40	–	4.00	–	2.2	1.8
TN 22EL500TR:T8030	●	–	160	95	150	480	40	–	5.00	–	2.2	1.8

TN TR INT

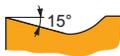


	IC (mm)	L (mm)	S (mm)
	9.525	16.50	3.47
16	9.525	16.50	3.47
22	12.700	22.00	4.71



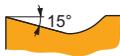
Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



TN TR NR, interno destro, per la realizzazione di filettature Trapezoidali, per taglio continuo.

TN 16NR150TR:T8030	●	–	160	95	150	480	40	–	1.50	–	0.8	0.9
TN 16NR200TR:T8030	●	–	160	95	150	480	40	–	2.00	–	1.5	1.3
TN 16NR300TR:T8030	●	–	160	95	150	480	40	–	3.00	–	1.6	1.3
TN 22NR400TR:T8030	●	–	160	95	150	480	40	–	4.00	–	2.2	1.8
TN 22NR500TR:T8030	●	–	160	95	150	480	40	–	5.00	–	2.2	1.8



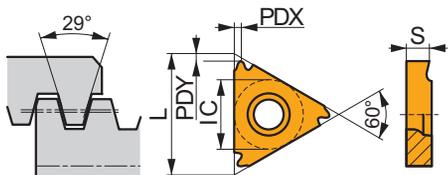
TN TR NL, interno sinistro, per la realizzazione di filettature Trapezoidali, per taglio continuo.

TN 16NL300TR:T8030	●	–	160	95	150	480	40	–	3.00	–	1.6	1.3
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TN ACME EXT

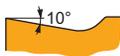


	IC (mm)	L (mm)	S (mm)
	9.525	16.50	3.47
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



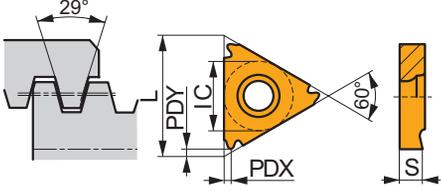
TN ACME ER esterno destro, per operazioni di filettatura ACME, taglio continuo.

TN 16ER080ACME:T8030	●	–	160	95	150	480	40	–	–	8.0	1.5	1.3
TN 22ER060ACME:T8030	●	–	160	95	150	480	40	–	–	6.0	2.5	2.0
TN 22ER050ACME:T8030	●	–	160	95	150	480	40	–	–	5.0	2.3	2.0

TN ACME INT

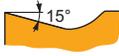


	IC (mm)	L (mm)	S (mm)
22	12.700	22.00	4.71



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)



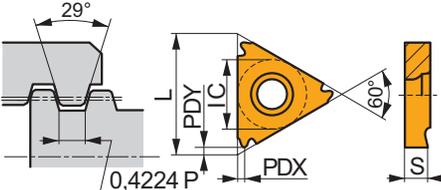
TN ACME NR interno destro, per operazioni di filettatura ACME, taglio continuo.

TN 22NR060ACME:T8030	●	-	■ 160	■ 95	■ 150	■ 480	■ 40	-	-	6.0	2.5	2.0
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TN STACME INT

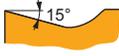
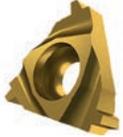


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P vc (m/min)	M vc (m/min)	K vc (m/min)	N vc (m/min)	S vc (m/min)	H vc (m/min)	TP (mm)	TPI	PDX (mm)	PDY (mm)



TN STACME NR interno destro, adatto per filettatura Stub ACME, taglio continuo.

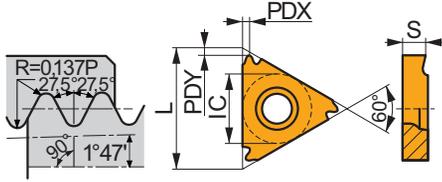
TN 16NR060STACME:T8030 ¹⁾	●	-	■ 160	■ 95	■ 150	■ 480	■ 40	-	-	6.0	1.3	1.3
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¹⁾ Toolholders have to be modified.

TN BSPT EXT

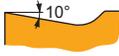


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



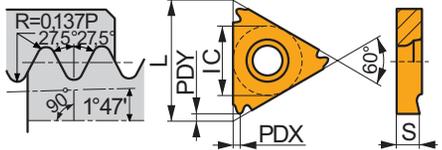
TN BSPT ER esterno destro, per operazioni di filettatura BSPT, taglio continuo.

TN 16ER190BSPT:T8030	●	–	160	95	150	480	40	–	–	19.0	1.5	1.2
TN 16ER140BSPT:T8030	●	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16ER110BSPT:T8030	●	–	160	95	150	480	40	–	–	11.0	1.5	1.2

TN BSPT INT

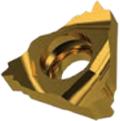


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



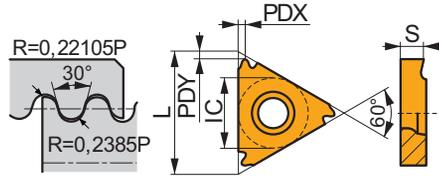
TN BSPT NR interno destro, per operazioni di filettatura BSPT, taglio continuo.

TN 16NR140BSPT:T8030	●	–	160	95	150	480	40	–	–	14.0	1.5	1.2
TN 16NR110BSPT:T8030	●	–	160	95	150	480	40	–	–	11.0	1.5	1.2

TN RD EXT

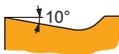


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



TN RD ER esterno destro, per operazioni di filettatura Metrica Tonda, taglio continuo.

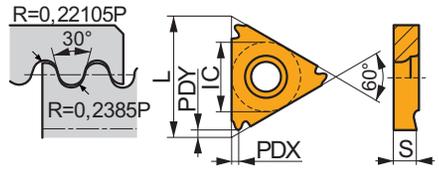
TN 16ER080RD:T8030	●	–	160	95	150	480	40	–	–	8.0	1.5	1.2
TN 16ER060RD:T8030 ¹⁾	●	–	160	95	150	480	40	–	–	6.0	1.5	1.2
TN 22ER060RD:T8030	●	–	160	95	150	480	40	–	–	6.0	2.5	1.8

¹⁾ Toolholders have to be modified.

TN RD INT

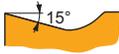
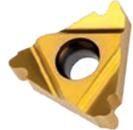


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47
22	12.700	22.00	4.71



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



TN RD NR interno destro, per operazioni di filettatura Metrica Tonda, taglio continuo.

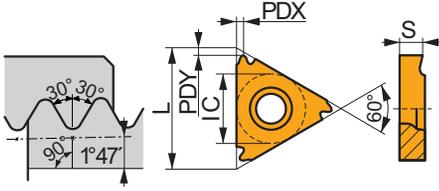
TN 16NR080RD:T8030	●	–	160	95	150	480	40	–	–	8.0	1.5	1.2
TN 16NR060RD:T8030 ¹⁾	●	–	160	95	150	480	40	–	–	6.0	1.5	1.2
TN 22NR060RD:T8030	●	–	160	95	150	480	40	–	–	6.0	2.5	1.8

¹⁾ Toolholders have to be modified.

TN API RD EXT

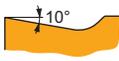


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



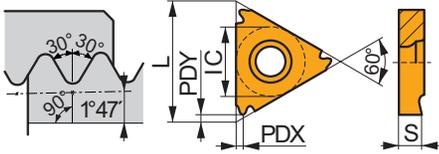
TN API ER esterno destro, per operazioni di filettatura API, taglio continuo.

TN 16ER100API-RD01:T8030	●	–	■ 160	■ 95	■ 150	■ 480	■ 40	–	–	10.0	1.5	1.2
TN 16ER080API-RD01:T8030	●	–	■ 160	■ 95	■ 150	■ 480	■ 40	–	–	8.0	1.5	1.2

TN API RD INT

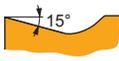
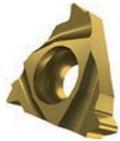


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



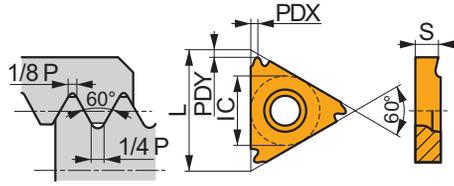
TN API NR interno destro, per operazioni di filettatura API, taglio continuo.

TN 16NR100API-RD01:T8030	●	–	■ 160	■ 95	■ 150	■ 480	■ 40	–	–	10.0	1.5	1.2
TN 16NR080API-RD01:T8030	●	–	■ 160	■ 95	■ 150	■ 480	■ 40	–	–	8.0	1.5	1.2

TN M EXT

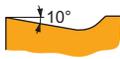


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



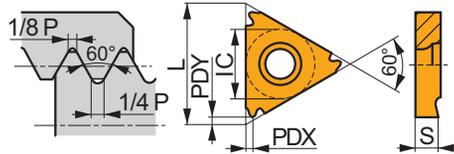
TN M-AL ER, esterno destro, per la realizzazione di filettature Metriche ISO, per taglio continuo.

TN 16ER100M-AL:HF7	●	–	–	☑	95	–	–	480	–	–	1.00	–	0.8	0.8
TN 16ER125M-AL:HF7	●	–	–	☑	95	–	–	480	–	–	1.25	–	0.8	0.8
TN 16ER150M-AL:HF7	●	–	–	☑	95	–	–	480	–	–	1.50	–	0.8	0.8
TN 16ER200M-AL:HF7	●	–	–	☑	95	–	–	480	–	–	2.00	–	1.5	1.2

TN M INT

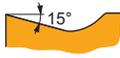


	IC (mm)	L (mm)	S (mm)
16	9.525	16.50	3.47



Idoneità e valori iniziali per velocità di taglio (Vc). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Product	RE (mm)	P	M	K	N	S	H	TP (mm)	TPI	PDX (mm)	PDY (mm)
		vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)	vc (m/min)				



TN M-AL NR, interno destro, per la realizzazione di filettature Metriche ISO, per taglio continuo.

TN 16NR150M-AL:HF7	●	–	–	☑	95	–	–	480	–	–	1.50	–	0.8	0.8
TN 16NR200M-AL:HF7	●	–	–	☑	95	–	–	480	–	–	2.00	–	1.5	1.2

SE(RL)

P
M
K
N
S
H

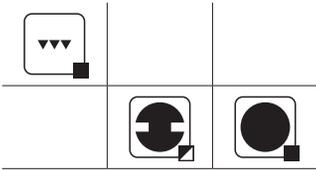
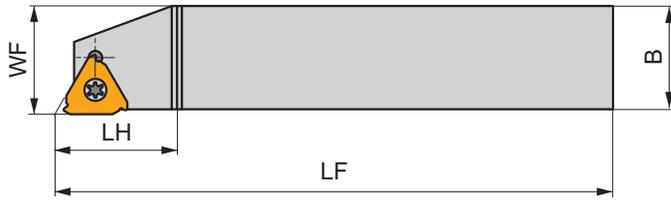
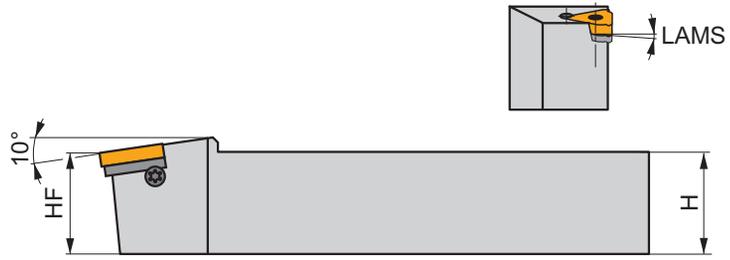
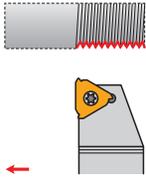
PRAMET

S



Portainseri per filettatura esterna con bloccaggio a vite per inserti TN 16 e 22

Portautensile destro/sinistro con bloccaggio a vite per filettatura esterna con inserti TN ER/EL. Adatto per filettature con profilo metrico ed in pollici. Corpo trattato per una maggiore durata dell'utensile.



Product	H	HF	B	WF	LF	HF	LAMS		
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(°)		
R SER 2020 K 16	20	20	20	20	125	22.5	–	GI068	Z12
SER 2525 M 16	25	25	25	25	150	24.0	–	GI068	Z12
SER 3225 P 16	32	32	25	25	170	24.5	–	GI068	Z12
SER 2525 M 22-A	25	25	25	25	150	25.5	–	GI071	Z13
SER 3225 P 22-A	32	32	25	25	170	25.5	–	GI071	Z13
L SEL 2020 K 16	20	20	20	20	125	22.5	–	GI068	Z12
SEL 2525 M 16	25	25	25	25	150	24.0	–	GI068	Z12
SEL 2525 M 22-A	25	25	25	25	150	25.5	–	GI071	Z13

GI068	TN 16ER..	TN 16EL..
GI071	TN 22ER..	TN 22EL..

Z12	US 3512A-T15P	3.0	M 3.5	12.7	–	HS 0304	FLAG T15P	HXK 2.5	Page xx
Z13	US 4514A-T20	5.0	M 4.5	14	SP 0405	–	FLAG T20	–	Page xx

SE(RL)-S

P
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H

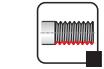
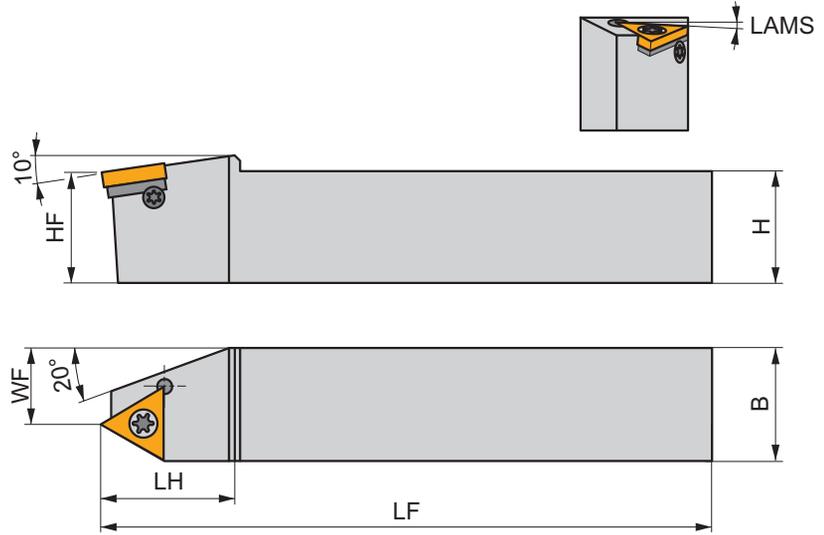
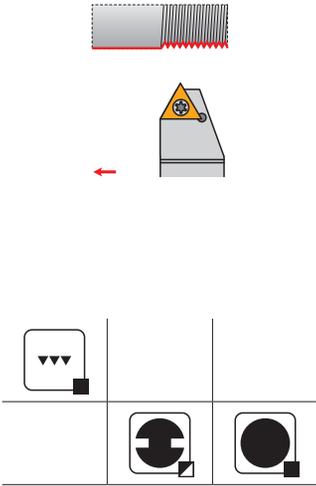
PRAMET

S



Portainseri per filettatura esterna con bloccaggio a vite , per inserti neutri TN 22 NN

Portautensile destro/sinistro con bloccaggio a vite , per filettatura grossa esterna con inserti TN EN neutri. Adatto per filettature con profilo metrico ed in pollici. Corpo trattato per una maggiore durata dell'utensile.



Product	H	HF	B	WF	LF	LH	LAMS		
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(°)		
R SER-S 2525 M 22-A	25	25	25	14	150	30.0	-	GI086	Z15
SER-S 3225 P 22-A	32	32	25	14	170	30.0	-	GI086	Z15
L SEL-S 2525 M 22-A	25	25	25	14	150	30.0	-	GI086	Z15

GI086	TN 22EN..

Z15	US 4514A-T20	5.0	M 4.5	14	SP 0405	FLAG T20	Page xx

		
GI076	TN 22NR..	TN 22NL..
GI085	TN 11NR..	TN 11NL..

									
Z10	US 3510A-T15P	3.0	M 3.5	10.6	-	-	FLAG T15P	-	-
Z11	US 2506-T07P	0.9	M 2.5	6.3	-	-	FLAG T07P	-	-
Z12	US 3512A-T15P	3.0	M 3.5	12.7	-	HS 0304	FLAG T15P	HXK 2.5	Page xx
Z13	US 4514A-T20	5.0	M 4.5	14	SP 0405	-	FLAG T20	-	Page xx
Z14	US 4514A-T20	5.0	M 4.5	14	-	-	FLAG T20	-	-
Z9	US 3510A-T15P	3.0	M 3.5	10.6	-	-	FLAG T15P	-	P-16

SI(RL)-S

P
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H

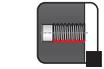
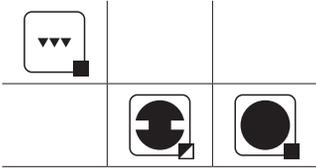
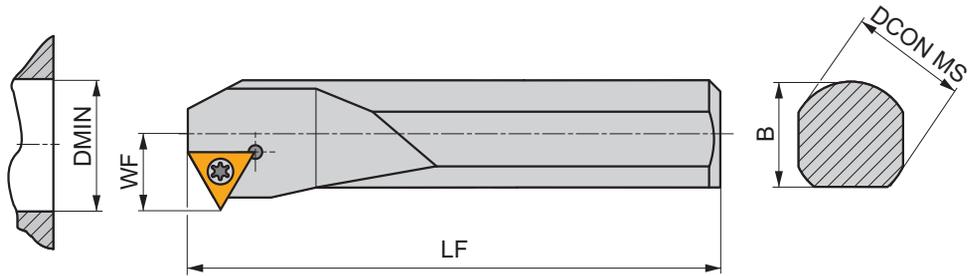
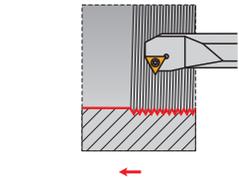
PRAMET

S



Bareno per filettatura interna con bloccaggio a vite per inserti neutri TN 22 NN

Bareno destro/sinistro con bloccaggio a vite per filettatura interna con inserti TN NN neutri. Adatto per filettature con profilo metrico ed in pollici. Corpo trattato per una maggiore durata dell'utensile.



Product	B (mm)	DCON MS (mm)	DMIN (mm)	WF (mm)	H (mm)	HF (mm)	LF (mm)	LAMS (°)		
R SIR-S 2532 S 22-A	30	32	39	22.3	25	12.5	250	-	G1107	Z15
SIR-S 3240 T 22-A	38	40	48	27	32	16	300	-	G1107	Z15

	G1107		TN 22NN..
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	Z15		US 4514A-T20		5.0		M 4.5		14		SP 0405		FLAG T20		Page xx
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