FRESATURA DI SPALLAMENTI

SPIANATURA

	STN10	STN16	SLN12	SLN16	SLN12X
	90°	90°	90°	90°	90°
	APMX (mm) 5.0	APMX (mm) 10.0	APMX (mm) 9.0	APMX (mm) 13.0	APMX (mm) 10.0
	DC (mm) 18 – 80	DC (mm) 25 – 175	DC (mm) 25 – 125	DC (mm) 63 – 175	DC (mm) 25 – 125
Codolo cilindrico	 DC = 18 – 35 (mm)	 DC = 25 – 35 (mm)	 DC = 25, 32 (mm)		 DC = 25 – 40 (mm)
Weldon	 DC = 20 – 32 (mm)	 DC = 25 – 40 (mm)	 DC = 25 – 40 (mm)		 DC = 25 – 40 (mm)
Modulare	 DC = 20 – 32 (mm)	 DC = 25 – 40 (mm)	 DC = 25 – 40 (mm)		
Fresa a manicotto	 DC = 40 – 80 (mm)	 DC = 40 – 175 (mm)	 DC = 40 – 125 (mm)		 DC = 40 – 125 (mm)
Pagina	66	70	75	81	85
ISO	**P** M K **N**	**P** M K **N**	**P** **M** **K** **N**	**P** **K** **N** H	**P** M **K** H
Forma dell'inserto					
Inserti	TNGX 1004	TNGX 1606	LNG. 1205	LN.U 1607	LNEX 1210
N. di taglienti	6	6	4	4	4
Spianatura	■	■	■	■	■
Smussatura	◪	◪	◪		◪
Interpolazione elicoidale	■	■	■	■	■
Fresatura a tuffo progressiva	◪		■	■	■
Rampa	◪		◪		
Fresatura di superfici sagomate (fresatura a copiare)	◪		◪		◪
Fresatura di spallamento superficiale	■	■	◪		■
Cave poco profonde			◪	◪	

■ Uso primario ◪ Uso possibile

STN10

P M K N S

PRAMET

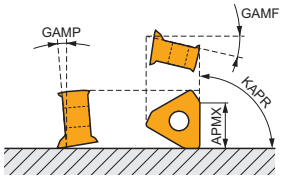
S

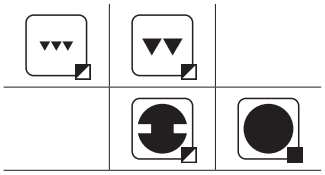
ECON TN10 Fresa a spallamento retto con refrigerante interno

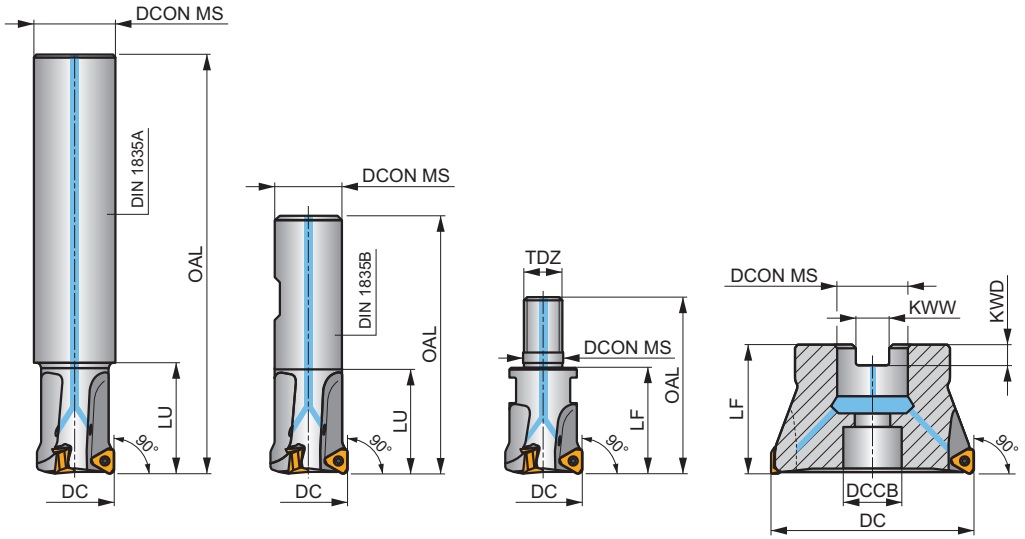
Fresa a candela ed a manicotto a 90° che utilizza inserti bilaterali TNGX 10 con 6 taglienti e APMX di 5 mm. Adatta per un'ampia gamma di applicazioni. Disponibile con attacco cilindrico, Weldon, modulare filettato ed a manicotto , con o senza passo differenziato dei taglienti . Corpo trattato per una maggiore durata dell'utensile.

ECON TN

KAPR	90°
APMX	5.0 mm







h_m	0.03 - 0.06
h_m	0.03 - 0.08

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
	18A2R050A20-STN10-C	18	180	20	–	50	–	–	–	–	-17.1	-11	2	–	29100	✓	0.39	GI292	SQ300	–
	20A2R029A20-STN10-C	20	150	20	–	29	–	–	–	–	-16.5	-11	2	–	27600	✓	0.35	GI292	SQ300	–
	20A3R029A20-STN10-C	20	150	20	–	29	–	–	–	–	-16.5	-11	3	–	27600	✓	0.34	GI292	SQ300	–
	22A3R050A25-STN10-C	22	180	25	–	50	–	–	–	–	-16.5	-11	3	–	26300	✓	0.58	GI292	SQ300	–
DIN 1835A	25A3R034A25-STN10-C	25	170	25	–	34	–	–	–	–	-16	-11	3	–	24700	✓	0.58	GI292	SQ300	–
	25A4R034A25-STN10-C	25	170	25	–	34	–	–	–	–	-16	-11	4	✓	24700	✓	0.58	GI292	SQ300	–
	30A4R050A32-STN10-C	30	200	32	–	50	–	–	–	–	-16	-11	4	✓	22500	✓	1.06	GI292	SQ300	–
	32A4R037A32-STN10-C	32	195	32	–	37	–	–	–	–	-16	-11	4	✓	21800	✓	1.08	GI292	SQ300	–
	32A5R037A32-STN10-C	32	195	32	–	37	–	–	–	–	-16	-11	5	✓	21800	✓	1.08	GI292	SQ300	–
	35A5R080A32-STN10-C	35	200	32	–	80	–	–	–	–	-16	-11	5	✓	20800	✓	1.07	GI292	SQ300	–
	20A2R032B20-STN10-C	20	90	20	–	32	–	–	–	–	-16.5	-11	2	–	27600	✓	0.20	GI292	SQ300	–
	20A3R032B20-STN10-C	20	90	20	–	32	–	–	–	–	-16.5	-11	3	–	27600	✓	0.19	GI292	SQ300	–
DIN 1835B	25A3R042B25-STN10-C	25	100	25	–	42	–	–	–	–	-16	-11	3	–	24700	✓	0.31	GI292	SQ300	–
	25A4R042B25-STN10-C	25	100	25	–	42	–	–	–	–	-16	-11	4	✓	24700	✓	0.31	GI292	SQ300	–
	32A4R042B32-STN10-C	32	110	32	–	42	–	–	–	–	-16	-11	4	✓	21800	✓	0.57	GI292	SQ300	–
	32A5R042B32-STN10-C	32	110	32	–	42	–	–	–	–	-16	-11	5	✓	21800	✓	0.56	GI292	SQ300	–
	20A2R026M10-STN10-C	20	45	10.5	–	–	26	M10	–	–	-16.5	-11	2	–	–	✓	0.06	GI292	SQ300	–
	20A3R026M10-STN10-C	20	45	10.5	–	–	26	M10	–	–	-16.5	-11	3	–	–	✓	0.06	GI292	SQ300	–
MODULAR	25A3R033M12-STN10-C	25	55	12.5	–	–	33	M12	–	–	-16	-11	3	–	–	✓	0.10	GI292	SQ300	–
	25A4R033M12-STN10-C	25	55	12.5	–	–	33	M12	–	–	-16	-11	4	✓	–	✓	0.10	GI292	SQ300	–
	32A4R043M16-STN10-C	32	66	17	–	–	43	M16	–	–	-16	-11	4	✓	–	✓	0.21	GI292	SQ300	–
	32A5R043M16-STN10-C	32	66	17	–	–	43	M16	–	–	-16	-11	5	✓	–	✓	0.21	GI292	SQ300	–
	40A04R-S90TN10-C	40	–	16	14	–	40	–	8.4	5.6	-15	-11	4	✓	19500	✓	0.34	GI292	SQ302	–
	40A06R-S90TN10-C	40	–	16	14	–	40	–	8.4	5.6	-15	-11	6	✓	19500	✓	0.34	GI292	SQ302	–
ISO 6462 DIN 8030	50A05R-S90TN10-C	50	–	22	18	–	40	–	10.4	6.3	-15	-11	5	✓	17400	✓	0.48	GI292	SQ303	–
	50A07R-S90TN10-C	50	–	22	18	–	40	–	10.4	6.3	-15	-11	7	✓	17400	✓	0.49	GI292	SQ303	–
	63A06R-S90TN10-C	63	–	22	18	–	40	–	10.4	6.3	-15	-11	6	✓	15500	✓	0.63	GI292	SQ303	–

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**63A09R-S90TN10-C**	63	–	22	18	–	40	–	10.4	6.3	-15	-11	9	✓	15500	✓	0.63	GI292	SQ303	–
	80A10R-S90TN10-C	80	–	27	38	–	50	–	12.4	7	-15	-11	10	✓	13800	✓	1.03	GI292	SQ301	AC001

GI292	TNGX 1004..

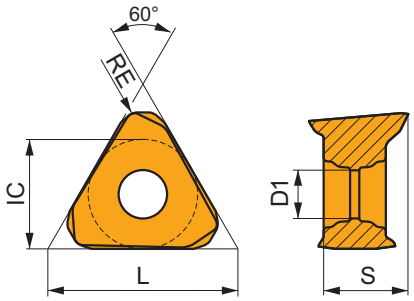
		Nm						
SQ300	US 52506-T07P	0.8	M 2.5	6	–	–	Flag T07P	–
SQ301	US 52506-T07P	0.8	M 2.5	6	D-T07P/T09P	FG-15	–	–
SQ302	US 52506-T07P	0.8	M 2.5	6	D-T07P/T09P	FG-15	–	HS 0830C
SQ303	US 52506-T07P	0.8	M 2.5	6	D-T07P/T09P	FG-15	–	HS 1030C

AC001	KS 1230	K.FMH27

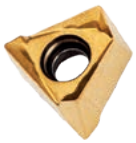
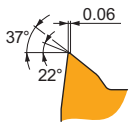
TNGX 10

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1004	6.000	2.80	10.39	4.69

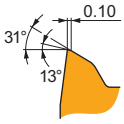


Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
TNGX 100402SR-F:M8330	●	0.2	205	0.09	2.0	120	0.08	2.0	190	0.09	2.0	–	–	–	–	–	–	–	–	–
TNGX 100402SR-F:M8340	●	0.2	190	0.09	2.0	110	0.08	2.0	180	0.09	2.0	–	–	–	–	–	–	–	–	–
TNGX 100404SR-F:8215	●	0.4	225	0.09	2.0	135	0.08	2.0	210	0.09	2.0	–	–	–	–	–	–	–	–	–
TNGX 100404SR-F:M6330	●	0.4	190	0.09	2.0	135	0.08	2.0	–	–	–	–	–	–	–	–	–	–	–	–
TNGX 100404SR-F:M8330	●	0.4	220	0.09	2.0	130	0.08	2.0	205	0.09	2.0	–	–	–	–	–	–	–	–	–
TNGX 100404SR-F:M8340	●	0.4	200	0.09	2.0	120	0.08	2.0	190	0.09	2.0	–	–	–	–	–	–	–	–	–
TNGX 100404SR-F:M9340	●	0.4	270	0.09	2.0	160	0.08	2.0	–	–	–	–	–	–	–	–	–	–	–	–
TNGX 100408SR-F:8215	●	0.8	270	0.09	2.0	160	0.08	2.0	255	0.09	2.0	–	–	–	–	–	–	–	–	–
TNGX 100408SR-F:M6330	●	0.8	225	0.09	2.0	160	0.08	2.0	–	–	–	–	–	–	–	–	–	–	–	–
TNGX 100408SR-F:M8330	●	0.8	260	0.09	2.0	155	0.08	2.0	245	0.09	2.0	–	–	–	–	–	–	–	–	–
TNGX 100408SR-F:M8340	●	0.8	240	0.09	2.0	140	0.08	2.0	225	0.09	2.0	–	–	–	–	–	–	–	–	–
TNGX 100408SR-F:M9340	●	0.8	320	0.09	2.0	190	0.08	2.0	–	–	–	–	–	–	–	–	–	–	–	–

F geometria con design altamente positivo per lavorazioni leggere.

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.

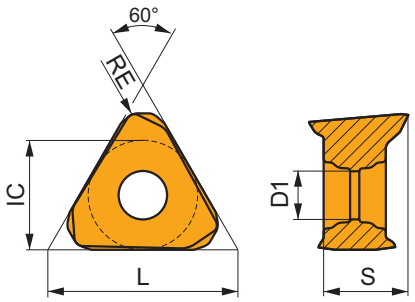
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
TNGX 100404SR-M:8215	●	0.4	■ 205	0.13	2.0	◪ 120	0.12	2.0	◪ 190	0.13	2.0	–	–	–	◪ 50	0.09	1.6	–	–	–
TNGX 100404SR-M:M6330	●	0.4	■ 175	0.13	2.0	◪ 125	0.12	2.0	–	–	–	–	–	–	◪ 50	0.09	1.6	–	–	–
TNGX 100404SR-M:M8330	●	0.4	■ 205	0.13	2.0	◪ 120	0.12	2.0	◪ 190	0.13	2.0	–	–	–	◪ 50	0.09	1.6	–	–	–
TNGX 100404SR-M:M8340	●	0.4	■ 185	0.13	2.0	◪ 110	0.12	2.0	◪ 175	0.13	2.0	–	–	–	◪ 45	0.09	1.6	–	–	–
TNGX 100404SR-M:M9340	●	0.4	■ 240	0.13	2.0	◪ 140	0.12	2.0	–	–	–	–	–	–	◪ 60	0.09	1.6	–	–	–
TNGX 100408SR-M:8215	●	0.8	■ 245	0.13	2.0	◪ 145	0.12	2.0	◪ 230	0.13	2.0	–	–	–	◪ 60	0.09	1.6	–	–	–
TNGX 100408SR-M:M6330	⧓	0.8	■ 210	0.13	2.0	◪ 150	0.12	2.0	–	–	–	–	–	–	◪ 60	0.09	1.6	–	–	–
TNGX 100408SR-M:M8310	●	0.8	■ 270	0.13	2.0	◪ 135	0.12	2.0	◪ 255	0.13	2.0	–	–	–	–	–	–	–	–	–
TNGX 100408SR-M:M8330	⧓	0.8	■ 245	0.13	2.0	◪ 145	0.12	2.0	◪ 230	0.13	2.0	–	–	–	◪ 60	0.09	1.6	–	–	–
TNGX 100408SR-M:M8340	⧓	0.8	■ 220	0.13	2.0	◪ 130	0.12	2.0	◪ 205	0.13	2.0	–	–	–	◪ 55	0.09	1.6	–	–	–
TNGX 100408SR-M:M8345	⧓	0.8	■ 180	0.13	2.0	◪ 105	0.12	2.0	–	–	–	–	–	–	◪ 45	0.09	1.6	–	–	–
TNGX 100408SR-M:M9340	●	0.8	■ 285	0.13	2.0	◪ 170	0.12	2.0	–	–	–	–	–	–	◪ 70	0.09	1.6	–	–	–
TNGX 100412SR-M:M8330	⧓	1.2	■ 255	0.13	2.0	◪ 150	0.12	2.0	◪ 240	0.13	2.0	–	–	–	◪ 60	0.09	1.6	–	–	–
TNGX 100412SR-M:M8340	⧓	1.2	■ 230	0.13	2.0	◪ 135	0.12	2.0	◪ 215	0.13	2.0	–	–	–	◪ 55	0.09	1.6	–	–	–
TNGX 100416SR-M:M8310	⧓	1.6	■ 300	0.13	2.0	◪ 150	0.12	2.0	◪ 285	0.13	2.0	–	–	–	–	–	–	–	–	–
TNGX 100416SR-M:M8330	⧓	1.6	■ 270	0.13	2.0	◪ 160	0.12	2.0	◪ 255	0.13	2.0	–	–	–	◪ 65	0.09	1.6	–	–	–
TNGX 100416SR-M:M8340	⧓	1.6	■ 245	0.13	2.0	◪ 145	0.12	2.0	◪ 230	0.13	2.0	–	–	–	◪ 60	0.09	1.6	–	–	–

M geometria con design positivo per lavorazioni da leggere a medie.

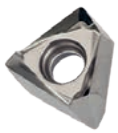
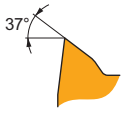
TNGX 10-FA

PRAMET

	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1004	6.000	2.80	10.39	4.69



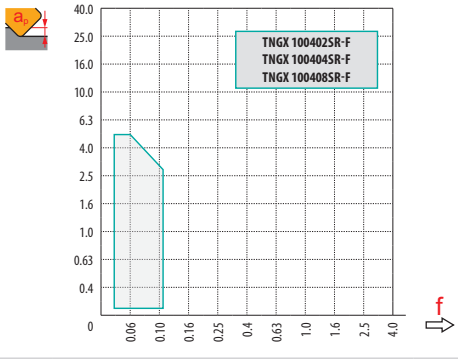
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

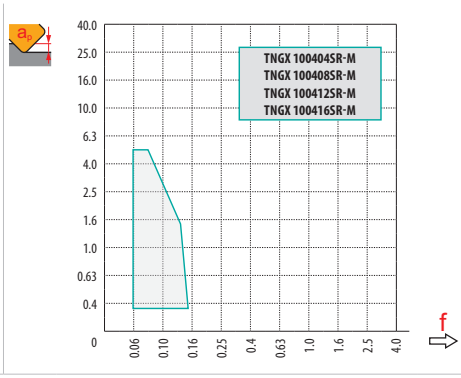
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
TNGX 100404FR-FA:HF7	●	0.4	–	–	–	–	–	–	–	–	–	■ 345	0.10	1.5	–	–	–	–	–	–
TNGX 100404FR-FA:M0315	●	0.4	–	–	–	–	–	–	–	–	–	■ 780	0.10	1.5	–	–	–	–	–	–
TNGX 100408FR-FA:HF7	●	0.8	–	–	–	–	–	–	–	–	–	■ 345	0.10	1.5	–	–	–	–	–	–
TNGX 100408FR-FA:M0315	●	0.8	–	–	–	–	–	–	–	–	–	■ 780	0.10	1.5	–	–	–	–	–	–

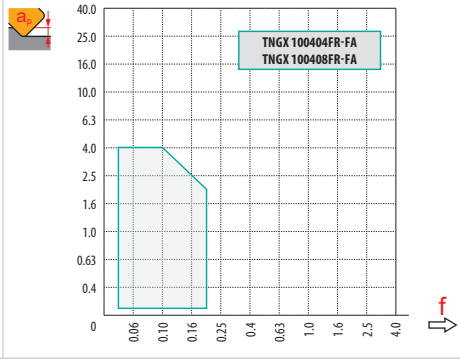
FA geometria con design altamente positivo per lavorazioni da leggere a medie.

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	TNGX 10-F			TNGX 10-M				TNGX 10-FA	
RE	0.2	0.4	0.8	0.4	0.8	1.2	1.6	0.4	0.8
BS	1.53	1.34	0.92	1.34	0.92			1.33	0.93







max 1.5

a_p	1.0	3.0	5.0
f	0.10	0.08	0.04

a_p 0.2

DC	RPMX	APMX/I
18	1.80°	3.05/100
20	1.60°	2.70/100
22	1.20°	2.00/100
25	1.00°	1.70/100
30	0.90°	1.45/100
32	0.80°	1.30/100
35	0.65°	1.00/100
40	0.60°	0.90/100
50	0.50°	0.70/100
63	0.40°	0.50/100
80	0.25°	0.30/100

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
18	33	36	1.2	1.2
20	37	40	1.2	1.2
22	41	44	1.0	1.0
25	47	50	1.0	1.0
30	57	60	1.0	1.0
32	61	64	1.0	1.0
35	67	70	0.9	0.9
40	77	80	0.9	0.9
50	97	100	0.9	0.9
63	123	126	0.9	0.9
80	157	160	0.9	0.9

STN16

P M K N S

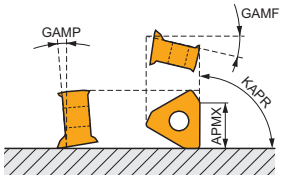
PRAMET

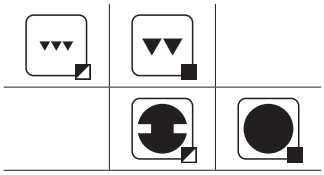
S

ECON TN16 Fresa a spallamento retto con refrigerante interno

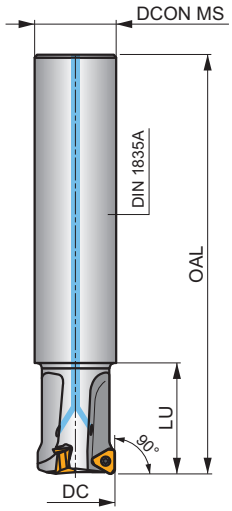
Fresa a candela e a manicotto a 90° che utilizza inserti bilaterali TNGX 16 con 6 taglienti e APMX di 10 mm. Adatta per un'ampia gamma di applicazioni. Disponibile con attacco cilindrico, Weldon, filettato e a manicotto (con passo dei denti differenziato). Corpo trattato per una maggiore durata dell'utensile.

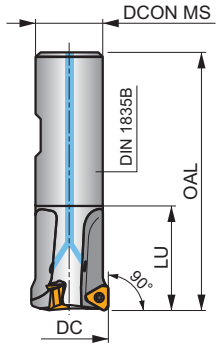
KAPR	90°
APMX	10.0 mm

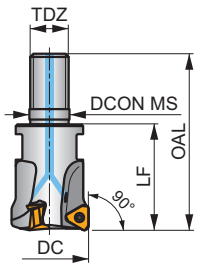


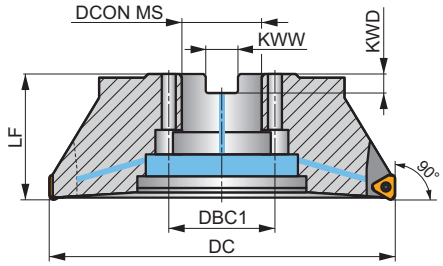


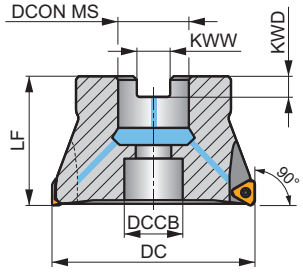
ECON TN











h_m	0.03 - 0.13
h_m	0.03 - 0.15

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
	25A2R034A25-STN16-C	25	170	25	–	–	34	–	–	–	–	-18.5	-9.5	2	–	20000	✓	0.54	GI340	C0382
	32A2R034A32-STN16-C	32	195	32	–	–	34	–	–	–	–	-16	-9.5	2	–	17500	✓	1.05	GI340	C0382
DIN 1835A	25A2R080A25-STN16-C	25	170	25	–	–	80	–	–	–	–	-18.5	-9.5	2	–	20000	✓	0.48	GI340	C0382
DIN 1835A	32A2R080A32-STN16-C	32	195	32	–	–	80	–	–	–	–	-16	-9.5	2	–	17500	✓	0.96	GI340	C0382
	32A3R034A32-STN16-C	32	195	32	–	–	34	–	–	–	–	-16	-9.5	3	–	17500	✓	1.04	GI340	C0382
	35A3R034A32-STN16-C	35	195	32	–	–	34	–	–	–	–	-16	-9.5	3	–	17000	✓	1.07	GI340	C0382
	25A2R042B25-STN16-C	25	110	25	–	–	42	–	–	–	–	-18.5	-9.5	2	–	20000	✓	0.29	GI340	C0382
DIN 1835B	32A3R042B32-STN16-C	32	110	32	–	–	42	–	–	–	–	-16	-9.5	3	–	17500	✓	0.52	GI340	C0382
DIN 1835B	40A4R050B32-STN16-C	40	120	32	–	–	50	–	–	–	–	-16	-9.5	4	–	16000	✓	0.68	GI340	C0382
	25A2R033M12-STN16-C	25	55	12.5	–	–	–	33	M12	–	–	-18.5	-9.5	2	–	20000	✓	0.10	GI340	C0382
	32A2R043M16-STN16-C	32	66	17	–	–	–	43	M16	–	–	-16	-9.5	2	–	17500	✓	0.18	GI340	C0382
MODULAR	32A3R043M16-STN16-C	32	66	17	–	–	–	43	M16	–	–	-16	-9.5	3	–	17500	✓	0.17	GI340	C0382
MODULAR	40A3R043M16-STN16-C	40	66	17	–	–	–	43	M16	–	–	-16	-9.5	3	–	16000	✓	0.20	GI340	C0382
MODULAR	40A4R043M16-STN16-C	40	66	17	–	–	–	43	M16	–	–	-16	-9.5	4	–	16000	✓	0.21	GI340	C0382
	40A03R-S90TN16-C	40	40	16	12.4	–	–	40	–	8.4	5.6	-16	-9.5	3	–	16000	✓	0.32	GI340	C0384
	40A04R-S90TN16-C	40	40	16	12.4	–	–	40	–	8.4	5.6	-16	-9.5	4	–	16000	✓	0.31	GI340	C0384
	50A04R-S90TN16-C	50	40	22	18.1	–	–	40	–	10.4	6.3	-16	-9.5	4	✓	14000	✓	0.34	GI340	C0386
	50A05R-S90TN16-C	50	40	22	18.1	–	–	40	–	10.4	6.3	-16	-9.5	5	✓	14000	✓	0.32	GI340	C0386
	63A04R-S90TN16-C	63	40	22	18.1	–	–	40	–	10.4	6.3	-16	-9.5	4	✓	12500	✓	0.47	GI340	C0386
	63A06R-S90TN16-C	63	40	22	18.1	–	–	40	–	10.4	6.3	-16	-9.5	6	✓	12500	✓	0.48	GI340	C0386
ISO 6462 DIN 8030	80A05R-S90TN16-C	80	50	27	22.1	–	–	50	–	12.4	7	-16	-9.5	5	✓	11000	✓	1.15	GI340	C0388
ISO 6462 DIN 8030	80A07R-S90TN16-C	80	50	27	22.1	–	–	50	–	12.4	7	-16	-9.5	7	✓	11000	✓	1.17	GI340	C0388
	100A06R-S90TN16-C	100	50	32	45.1	–	–	50	–	14.4	8	-16	-9.5	6	✓	10000	✓	1.79	GI340	C0390
	100A08R-S90TN16-C	100	50	32	45.1	–	–	50	–	14.4	8	-16	-9.5	8	✓	10000	✓	1.66	GI340	C0390
	115A06R-S90TN16-C	115	50	32	45.1	–	–	50	–	14.4	8	-16	-9.5	6	✓	9500	✓	2.21	GI340	C0390
	125A07R-S90TN16-C	125	63	40	56.1	–	–	63	–	16.4	9	-16	-9.5	7	✓	9000	✓	3.05	GI340	C0390
	125A09R-S90TN16-C	125	63	40	56.1	–	–	63	–	16.4	9	-16	-9.5	9	✓	9000	✓	3.14	GI340	C0390

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
ISO 6462 DIN 8030	**140A08R-S90TN16-C**	140	63	40	56.1	–	–	63	–	16.4	9	-16	-9.5	8	✓	8500	✓	3.69	GI340	C0390
	160C10R-S90TN16-C	160	63	40	–	66.7	–	63	–	16.4	9.2	-16	-9.5	10	✓	8000	✓	5.16	GI340	C0394
	175C10R-S90TN16-C	175	63	40	–	66.7	–	63	–	16.4	9.2	-16	-9.5	10	✓	7500	✓	6.89	GI340	C0394

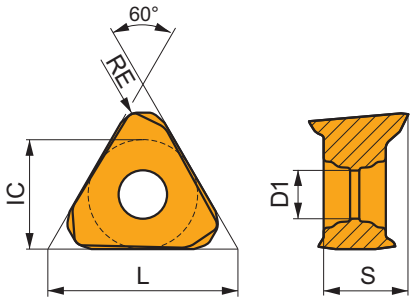
GI340	TNGX 1606..

		Nm									
C0382	US 44010-T15P	3.5	M 4	10	–	–	Flag T15P	–	–	–
C0384	US 44010-T15P	3.5	M 4	10	D-T08P/T15P	FG-15	–	HS 90835	–	–
C0386	US 44010-T15P	3.5	M 4	10	D-T08P/T15P	FG-15	–	HS 1030C	–	–
C0388	US 44010-T15P	3.5	M 4	10	D-T08P/T15P	FG-15	–	HS 1230C	–	–
C0390	US 44010-T15P	3.5	M 4	10	D-T08P/T15P	FG-15	–	–	–	–
C0394	US 44010-T15P	3.5	M 4	10	D-T08P/T15P	FG-15	–	HS 1240C	HSD 0825C	CAC 160C

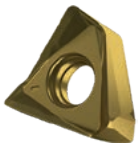
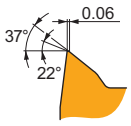
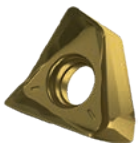
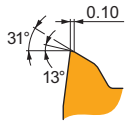
TNGX 16

PRAMET

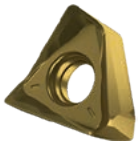
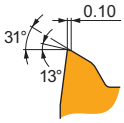
	IC (mm)	D1 (mm)	L (mm)	S (mm)
1606	9.525	4.40	16.50	6.58



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.

Codice prodotto		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
			**F** geometria com design altamente positivo per lavorazioni leggere.																	
TNGX 160604SR-F:M8330	●	0.4	205	0.10	3.0	120	0.09	3.0	190	0.10	3.0	–	–	–	–	–	–	–	–	–
TNGX 160604SR-F:M8340	●	0.4	190	0.10	3.0	110	0.09	3.0	180	0.10	3.0	–	–	–	–	–	–	–	–	–
TNGX 160608SR-F:8215	●	0.8	250	0.10	3.0	150	0.09	3.0	235	0.10	3.0	–	–	–	–	–	–	–	–	–
TNGX 160608SR-F:M6330	●	0.8	215	0.10	3.0	150	0.09	3.0	–	–	–	–	–	–	–	–	–	–	–	–
TNGX 160608SR-F:M8310	●	0.8	280	0.10	3.0	140	0.09	3.0	265	0.10	3.0	–	–	–	–	–	–	–	–	–
TNGX 160608SR-F:M8330	●	0.8	245	0.10	3.0	145	0.09	3.0	230	0.10	3.0	–	–	–	–	–	–	–	–	–
TNGX 160608SR-F:M8340	●	0.8	225	0.10	3.0	135	0.09	3.0	210	0.10	3.0	–	–	–	–	–	–	–	–	–
			**M** geometria con design positivo per lavorazioni da leggere a medie.																	
TNGX 160604SR-M:8215	●	0.4	180	0.18	3.0	105	0.16	3.0	170	0.18	3.0	–	–	–	45	0.13	2.4	–	–	–
TNGX 160604SR-M:M6330	●	0.4	155	0.18	3.0	110	0.16	3.0	–	–	–	–	–	–	45	0.13	2.4	–	–	–
TNGX 160604SR-M:M8310	●	0.4	205	0.15	3.0	100	0.14	3.0	190	0.15	3.0	–	–	–	–	–	–	–	–	–
TNGX 160604SR-M:M8330	●	0.4	180	0.18	3.0	105	0.16	3.0	170	0.18	3.0	–	–	–	45	0.13	2.4	–	–	–

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.

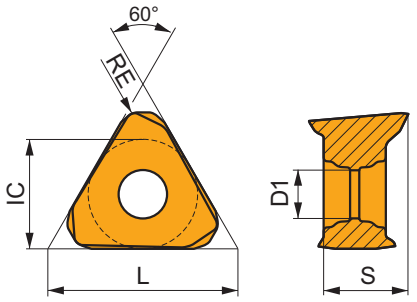
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
TNGX 160604SR-M:M8340	●	0.4	■	165	0.18	3.0	◪	95	0.16	3.0	◪	155	0.18	3.0	–	–	–	◪	40	0.13	2.4	–	–	–
TNGX 160608SR-M:8215	⬌	0.8	■	215	0.18	3.0	◪	125	0.16	3.0	◪	200	0.18	3.0	–	–	–	◪	50	0.13	2.4	–	–	–
TNGX 160608SR-M:M6330	⬌	0.8	■	185	0.18	3.0	◪	130	0.16	3.0		–	–	–	–	–	–	◪	55	0.13	2.4	–	–	–
TNGX 160608SR-M:M8310	●	0.8	■	245	0.15	3.0	◪	120	0.14	3.0	◪	230	0.15	3.0	–	–	–		–	–	–	–	–	–
TNGX 160608SR-M:M8330	⬌	0.8	■	215	0.18	3.0	◪	125	0.16	3.0	◪	200	0.18	3.0	–	–	–	◪	50	0.13	2.4	–	–	–
TNGX 160608SR-M:M8340	⬌	0.8	■	195	0.18	3.0	◪	115	0.16	3.0	◪	185	0.18	3.0	–	–	–	◪	45	0.13	2.4	–	–	–
TNGX 160608SR-M:M8345	⬌	0.8	■	155	0.18	3.0	◪	90	0.16	3.0		–	–	–	–	–	–	◪	35	0.13	2.4	–	–	–
TNGX 160608SR-M:M9325	●	0.8	■	285	0.15	3.0		–	–	–	◪	270	0.15	3.0	–	–	–		–	–	–	–	–	–
TNGX 160608SR-M:M9340	⬌	0.8	■	245	0.18	3.0	◪	145	0.16	3.0		–	–	–	–	–	–	◪	60	0.13	2.4	–	–	–
TNGX 160612SR-M:M8330	⬌	1.2	■	230	0.18	3.0	◪	135	0.16	3.0	◪	215	0.18	3.0	–	–	–	◪	55	0.13	2.4	–	–	–
TNGX 160612SR-M:M8340	⬌	1.2	■	205	0.18	3.0	◪	120	0.16	3.0	◪	190	0.18	3.0	–	–	–	◪	50	0.13	2.4	–	–	–
TNGX 160616SR-M:M8310	⬌	1.6	■	275	0.15	3.0	◪	140	0.14	3.0	◪	260	0.15	3.0	–	–	–		–	–	–	–	–	–
TNGX 160616SR-M:M8330	⬌	1.6	■	240	0.18	3.0	◪	140	0.16	3.0	◪	225	0.18	3.0	–	–	–	◪	60	0.13	2.4	–	–	–
TNGX 160616SR-M:M8340	⬌	1.6	■	220	0.18	3.0	◪	130	0.16	3.0	◪	205	0.18	3.0	–	–	–	◪	55	0.13	2.4	–	–	–

M geometria con design positivo per lavorazioni da leggere a medie.

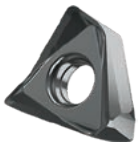
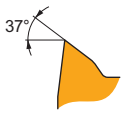
TNGX 16-FA

PRAMET

	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.525	4.40	16.50	6.58



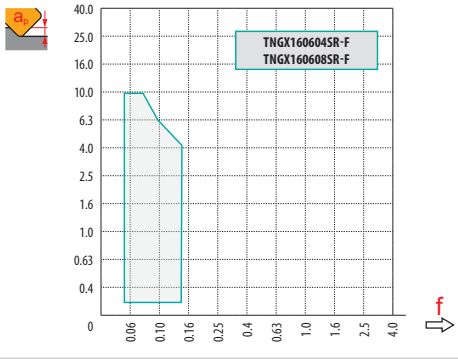
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

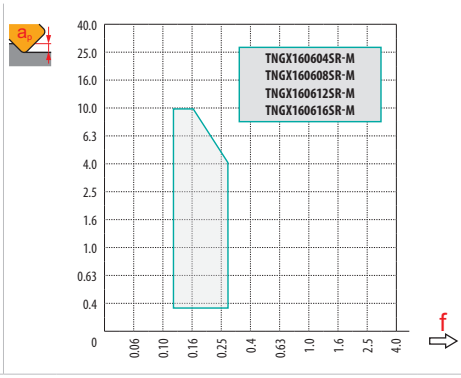
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
TNGX 160604FR-FA:HF7	●	0.4	–	–	–	–	–	–	–	–	–	■	255	0.14	2.0	–	–	–	–	–	–
TNGX 160604FR-FA:M0315	●	0.4	–	–	–	–	–	–	–	–	–	■	585	0.14	2.0	–	–	–	–	–	–
TNGX 160608FR-FA:HF7	●	0.8	–	–	–	–	–	–	–	–	–	■	300	0.14	2.0	–	–	–	–	–	–
TNGX 160608FR-FA:M0315	●	0.8	–	–	–	–	–	–	–	–	–	■	690	0.14	2.0	–	–	–	–	–	–

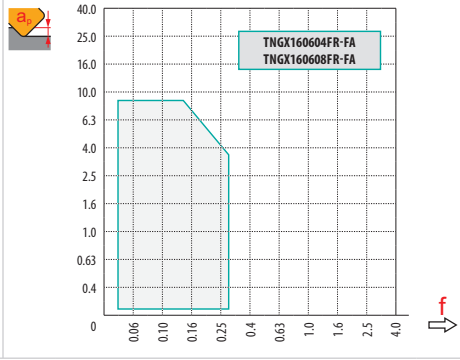
FA geometria con design altamente positivo per lavorazioni da leggere a medie.

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	TNGX 16-F		TNGX 16-M				TNGX 16-FA	
RE	0.4	0.8	0.4	0.8	1.2	1.6	0.4	0.8
BS	2.10	1.9	2.10	1.90	1.73	1.14	2.10	1.90



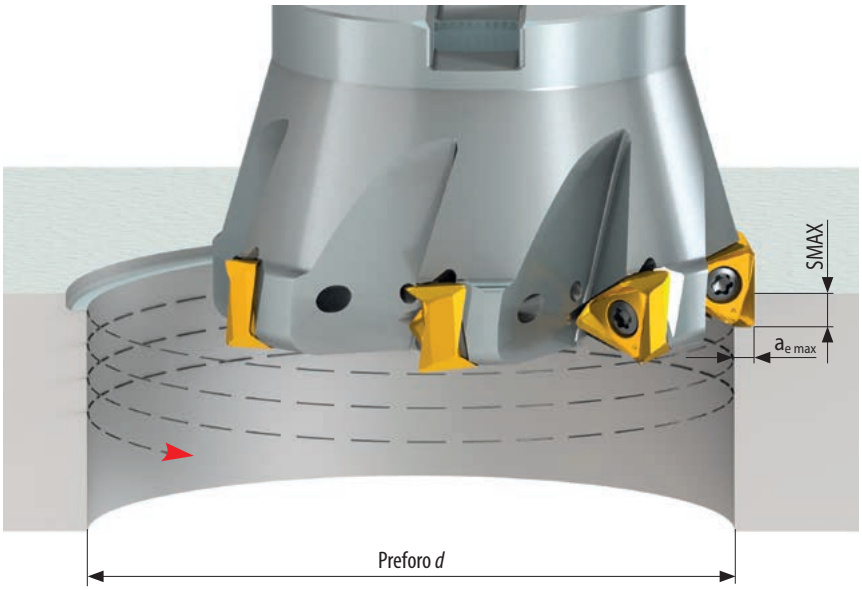




a_p	3.0	4.5	6.0
1 f	0.18	0.14	0.10

DC	min	d_{min} = DC *			d = 1.25 DC			d = 1.5 DC			d = 1.75 DC			d ≥ 2 DC	
		SMAX	$a_{e\,max}$		SMAX	$a_{e\,max}$		SMAX	$a_{e\,max}$		SMAX	$a_{e\,max}$		SMAX	$a_{e\,max}$
25	25	0.14	1.3	31	0.22	2.2	38	0.33	3.0	44	0.60	4.0	50	0.70	5.0
32	32	0.16	1.5	40	0.33	2.8	48	0.44	4.0	56	0.70	5.0	64	0.90	6.5
40	40	0.22	2.0	50	0.38	3.5	60	0.55	5.0	70	0.90	6.5	80	1.15	8.0
50	50	0.27	2.5	63	0.50	4.5	75	0.70	6.5	88	1.00	8.0	100	1.40	10.0
63	63	0.33	3.2	80	0.60	5.5	95	0.90	8.0	110	1.45	10.0	125	1.80	12.5
80	80	0.55	4.0	100	1.00	7.0	120	1.45	10.0	140	2.15	13.0	160	2.60	16.0
100	100	0.70	5.0	125	1.20	9.0	150	1.80	12.5	175	2.70	16.5	200	3.30	20.0
115	115	0.85	6.0	145	1.50	10.0	175	1.90	14.5	200	2.80	19.0	230	3.80	23.0
125	125	0.90	6.5	155	1.60	11.0	190	2.30	15.5	220	3.10	20.0	250	4.10	25.0
140	140	1.00	7.0	175	1.80	12.5	210	2.60	17.5	245	3.70	23.0	280	4.60	28.0
160	160	1.20	8.0	200	2.00	14.0	240	2.90	20.0	280	4.30	26.0	320	5.30	32.0
175	175	1.30	8.8	220	2.20	15.5	265	3.20	22.0	305	4.70	29.0	350	5.80	35.0

* Controllare la riduzione dell'avanzamento se il diametro del foro è nell'intervallo d_{min} – 1.5 *DC*.



SLN12

P M K N

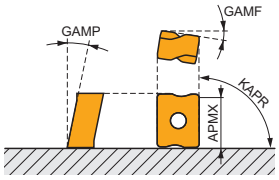
PRAMET

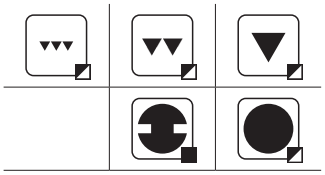
S

ECON LN12 Fresa a spallamento retto con refrigerante interno

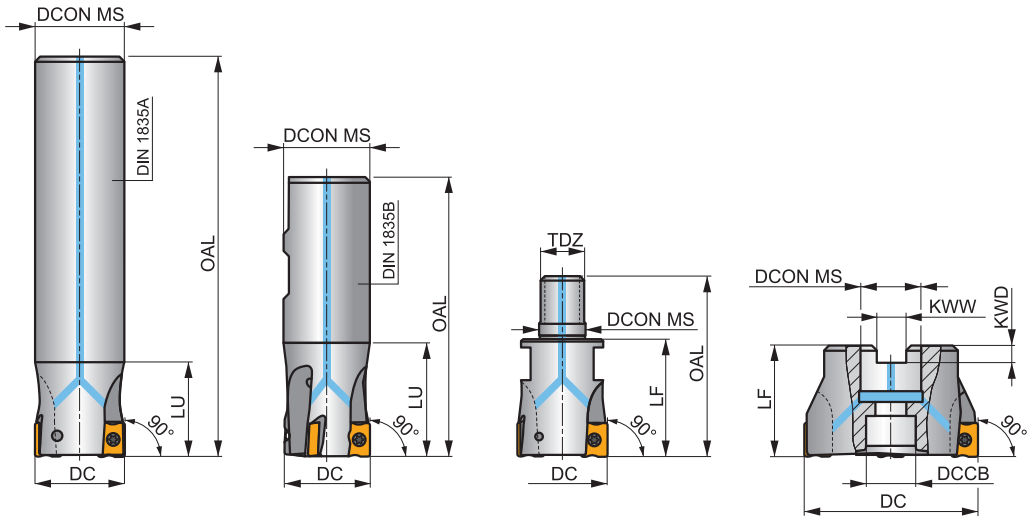
Fresa a candela ed a manicotto a 90° per inserti bilaterali LN ..12 con APMX di 9 mm. Adatta per un'ampia gamma di applicazioni. Disponibile con attacco cilindrico, Weldon, modulare filettato ed a manicotto (con passo differenziato) . Corpo trattato per una maggiore durata dell'utensile.

KAPR	90°
APMX	9.0 mm

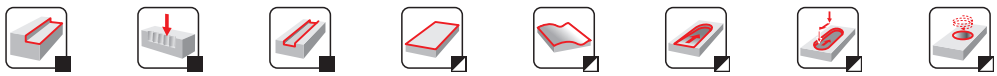




ECON LN



h_m	0.06 - 0.15
h_m	0.06 - 0.13



	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	TDZ	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835A	25A2R034A25-SLN12-C	25	170	25	–	34	–	–	–	–	-23	-8	2	–	19500	✓	0.58	GI205	SQ340	–
DIN 1835A	25A2R080A25-SLN12-C	25	170	25	–	80	–	–	–	–	-23	-8	2	–	19500	✓	0.54	GI205	SQ340	–
DIN 1835A	32A2R034A32-SLN12-C	32	195	32	–	34	–	–	–	–	-15	-6	2	–	17300	✓	1.05	GI205	SQ340	–
DIN 1835A	32A2R090A32-SLN12-C	32	195	32	–	90	–	–	–	–	-15	-6	2	–	17300	✓	0.98	GI205	SQ340	–
DIN 1835B	25A2R042B25-SLN12-C	25	99	25	–	42	–	–	–	–	-23	-8	2	–	19500	✓	0.30	GI205	SQ340	–
DIN 1835B	32A3R042B32-SLN12-C	32	103	32	–	42	–	–	–	–	-15	-6	3	–	17300	✓	0.50	GI205	SQ340	–
DIN 1835B	40A4R050B32-SLN12-C	40	111	32	–	50	–	–	–	–	-15	-6	4	✓	15500	✓	0.62	GI205	SQ340	–
MODULAR	25A2R033M12-SLN12-C	25	55	12.5	–	–	33	–	–	–	-22	-6	2	–	–	✓	0.11	GI205	SQ340	–
MODULAR	32A2R043M16-SLN12-C	32	66	17	–	–	43	–	–	–	-15	-6	2	–	–	✓	0.22	GI205	SQ340	–
MODULAR	32A3R043M16-SLN12-C	32	66	17	–	–	43	–	–	–	-15	-6	3	–	–	✓	0.22	GI205	SQ340	–
MODULAR	40A3R043M16-SLN12-C	40	66	17	–	–	43	–	–	–	-15	-6	3	–	–	✓	0.28	GI205	SQ340	–
ISO 6462 DIN 8030	40A04R-S90LN12-C	40	–	16	14	–	40	–	8.4	5.6	-15	-6	4	✓	15500	✓	0.33	GI205	SQ342	–
ISO 6462 DIN 8030	50A04R-S90LN12-C	50	–	22	18	–	40	–	10.4	6.3	-14.5	-6	4	✓	13800	✓	0.47	GI205	SQ343	–
ISO 6462 DIN 8030	50A05R-S90LN12-C	50	–	22	18	–	40	–	10.4	6.3	-14.5	-6	5	✓	13800	✓	0.40	GI205	SQ343	–
ISO 6462 DIN 8030	63A04R-S90LN12-C	63	–	22	18	–	40	–	10.4	6.3	-14	-6	4	✓	12300	✓	0.55	GI205	SQ343	–
ISO 6462 DIN 8030	63A06R-S90LN12-C	63	–	22	18	–	40	–	10.4	6.3	-14	-6	6	✓	12300	✓	0.50	GI205	SQ343	–
ISO 6462 DIN 8030	80A05R-S90LN12-C	80	–	27	38	–	50	–	12.4	7	-14	-6	5	✓	10900	✓	1.16	GI205	SQ341	AC001
ISO 6462 DIN 8030	80A07R-S90LN12-C	80	–	27	38	–	50	–	12.4	7	-14	-6	7	✓	10900	✓	1.11	GI205	SQ341	AC001
ISO 6462 DIN 8030	100A06R-S90LN12-C	100	–	32	45	–	50	–	14.4	8	-14	-6	6	✓	9800	✓	1.78	GI205	SQ341	AC002
ISO 6462 DIN 8030	100A08R-S90LN12-C	100	–	32	45	–	50	–	14.4	8	-14	-6	8	✓	9800	✓	1.93	GI205	SQ341	AC002
ISO 6462 DIN 8030	110A06R-S90LN12-C	110	–	32	45	–	50	–	14.4	8	-14	-6	6	✓	9300	✓	2.09	GI205	SQ341	AC002
ISO 6462 DIN 8030	125A07R-S90LN12-C	125	–	40	56	–	63	–	16.4	9	-14	-6	7	✓	8700	✓	3.40	GI205	SQ341	AC003
ISO 6462 DIN 8030	125A09R-S90LN12-C	125	–	40	56	–	63	–	16.4	9	-14	-6	9	✓	8700	✓	3.35	GI205	SQ341	AC003

GI205	LNGX 1205..	LNGU 1205..

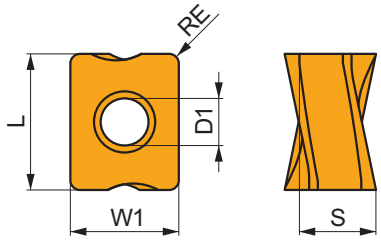
		Nm						
SQ340	US 44012-T15P	3.5	M 4	12	–	–	Flag T15P	–
SQ341	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	–
SQ342	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	HS 0830C
SQ343	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	HS 1030C

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

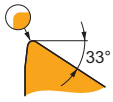
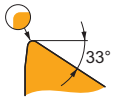
LNGX 12

PRAMET

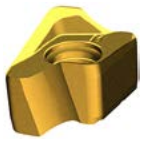
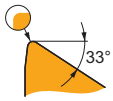
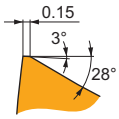
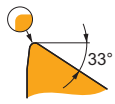
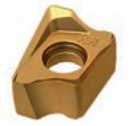
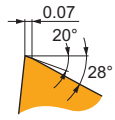
	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1205	9.500	4.50	12.00	5.96



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.

Codice prodotto		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			F geometria com design altamente positivo per lavorazioni leggere.																	
LNGX 120504ER-F:8215	●	0.4	200	0.15	1.5	–	–	–	190	0.15	1.5	–	–	–	–	–	–	–	–	–
LNGX 120504ER-F:M8330	●	0.4	200	0.15	1.5	–	–	–	190	0.15	1.5	–	–	–	–	–	–	–	–	–
LNGX 120504ER-F:M8340	●	0.4	180	0.15	1.5	–	–	–	170	0.15	1.5	–	–	–	–	–	–	–	–	–
LNGX 120508ER-F:8215	⁂	0.8	240	0.15	1.5	–	–	–	225	0.15	1.5	–	–	–	–	–	–	–	–	–
LNGX 120508ER-F:M8310	⁂	0.8	260	0.15	1.5	–	–	–	245	0.15	1.5	–	–	–	–	–	–	–	–	–
LNGX 120508ER-F:M8330	⁂	0.8	235	0.15	1.5	–	–	–	220	0.15	1.5	–	–	–	–	–	–	–	–	–
LNGX 120508ER-F:M8340	⁂	0.8	215	0.15	1.5	–	–	–	200	0.15	1.5	–	–	–	–	–	–	–	–	–
																				
			M geometria con design positivo per lavorazioni da leggere a medie.																	
LNGX 120504ER-M:M8330	●	0.4	185	0.15	3.0	–	–	–	175	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120504ER-M:M8340	⁂	0.4	170	0.15	3.0	–	–	–	160	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120508ER-M:8215	⁂	0.8	220	0.15	3.0	–	–	–	205	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120508ER-M:M8310	⁂	0.8	240	0.15	3.0	–	–	–	225	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120508ER-M:M8330	⁂	0.8	220	0.15	3.0	–	–	–	205	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120508ER-M:M8340	⁂	0.8	200	0.15	3.0	–	–	–	190	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120508ER-M:M9315	⁂	0.8	300	0.15	3.0	–	–	–	285	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120508ER-M:M9325	⁂	0.8	280	0.15	3.0	–	–	–	265	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120508ER-M:M9340	⁂	0.8	250	0.15	3.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120510ER-M:M8330	⁂	1.0	230	0.15	3.0	–	–	–	215	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120512ER-M:M8330	⁂	1.2	230	0.15	3.0	–	–	–	215	0.15	3.0	–	–	–	–	–	–	–	–	–

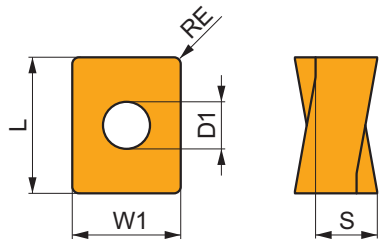
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
M geometria con design positivo per lavorazioni da leggere a medie.																				
LNGX 120512ER-M:M8340	✱	1.2	210	0.15	3.0	–	–	–	195	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120516ER-M:M8330	●	1.6	240	0.15	3.0	–	–	–	225	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120516ER-M:M8340	✱	1.6	220	0.15	3.0	–	–	–	205	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120520ER-M:M8310	●	2.0	280	0.15	3.0	–	–	–	265	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120520ER-M:M8330	✱	2.0	255	0.15	3.0	–	–	–	240	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGX 120520ER-M:M8340	✱	2.0	230	0.15	3.0	–	–	–	215	0.15	3.0	–	–	–	–	–	–	–	–	–
																				
R geometria con design positivo adatta per lavorazioni di condizioni instabili.																				
LNGX 120508SR-R:8215	●	0.8	205	0.20	3.5	–	–	–	190	0.20	3.5	–	–	–	–	–	–	–	–	–
LNGX 120508SR-R:M5315	●	0.8	265	0.20	3.5	–	–	–	250	0.20	3.5	–	–	–	–	–	–	–	–	–
LNGX 120508SR-R:M8310	●	0.8	220	0.20	3.5	–	–	–	205	0.20	3.5	–	–	–	–	–	–	–	–	–
LNGX 120508SR-R:M8330	●	0.8	205	0.20	3.5	–	–	–	190	0.20	3.5	–	–	–	–	–	–	–	–	–
LNGX 120508SR-R:M8340	✱	0.8	185	0.20	3.5	–	–	–	175	0.20	3.5	–	–	–	–	–	–	–	–	–
LNGX 120508SR-R:M9315	●	0.8	265	0.20	3.5	–	–	–	250	0.20	3.5	–	–	–	–	–	–	–	–	–
LNGX 120508SR-R:M9325	●	0.8	250	0.20	3.5	–	–	–	235	0.20	3.5	–	–	–	–	–	–	–	–	–
LNGX 120508SR-R:M9340	●	0.8	225	0.20	3.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120516SR-R:8215	✱	1.6	225	0.20	3.5	–	–	–	210	0.20	3.5	–	–	–	–	–	–	–	–	–
LNGX 120516SR-R:M8330	✱	1.6	225	0.20	3.5	–	–	–	210	0.20	3.5	–	–	–	–	–	–	–	–	–
LNGX 120516SR-R:M8340	✱	1.6	205	0.20	3.5	–	–	–	190	0.20	3.5	–	–	–	–	–	–	–	–	–
LNGX 120516SR-R:M9325	●	1.6	275	0.20	3.5	–	–	–	260	0.20	3.5	–	–	–	–	–	–	–	–	–
																				
MF geometria con design altamente positivo per lavorazioni leggere.																				
LNGX 120504ER-MF:M6330	●	0.4	175	0.15	1.0	125	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120504ER-MF:M9340	●	0.4	240	0.15	1.0	140	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120508ER-MF:M6330	●	0.8	210	0.15	1.0	150	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120508ER-MF:M8340	●	0.8	225	0.15	1.0	135	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120508ER-MF:M9340	●	0.8	285	0.15	1.0	170	0.14	1.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
MM geometria con design positivo per lavorazioni da leggere a medie.																				
LNGX 120508SR-MM:M6330	✱	0.8	190	0.15	2.8	135	0.14	2.8	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120508SR-MM:M8340	✱	0.8	200	0.15	2.8	120	0.14	2.8	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120508SR-MM:M8345	✱	0.8	160	0.15	2.8	95	0.14	2.8	–	–	–	–	–	–	–	–	–	–	–	–
LNGX 120508SR-MM:M9340	●	0.8	255	0.15	2.8	150	0.14	2.8	–	–	–	–	–	–	–	–	–	–	–	–

LNGU 12

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1205	9.500	4.50	12.00	5.96



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.

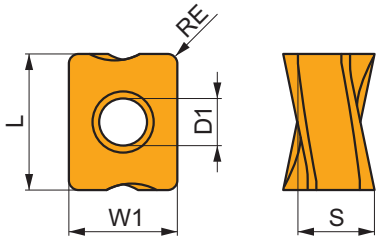
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
LNGU 120525ER-M:M8330	✱	2.5	■	255	0.15	3.0	–	–	–	■	240	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGU 120525ER-M:M8340	✱	2.5	■	230	0.15	3.0	–	–	–	◪	215	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGU 120530ER-M:M8330	✱	3.0	■	255	0.15	3.0	–	–	–	■	240	0.15	3.0	–	–	–	–	–	–	–	–	–
LNGU 120530ER-M:M8340	✱	3.0	■	230	0.15	3.0	–	–	–	◪	215	0.15	3.0	–	–	–	–	–	–	–	–	–

M geometria con design positivo per lavorazioni medie.

LNGX 12-FA

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1205	9.500	4.50	12.00	5.96



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.

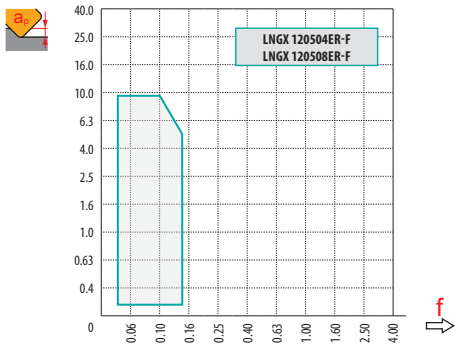
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
LNGX 120504FR-FA:HF7	●	0.4	–	–	–	–	–	–	–	–	–	■	270	0.30	2.0	–	–	–	–	–	–
LNGX 120508FR-FA:HF7	●	0.8	–	–	–	–	–	–	–	–	–	■	315	0.30	2.0	–	–	–	–	–	–
LNGX 120508FR-FA:M0315	●	0.8	–	–	–	–	–	–	–	–	–	■	720	0.30	2.0	–	–	–	–	–	–

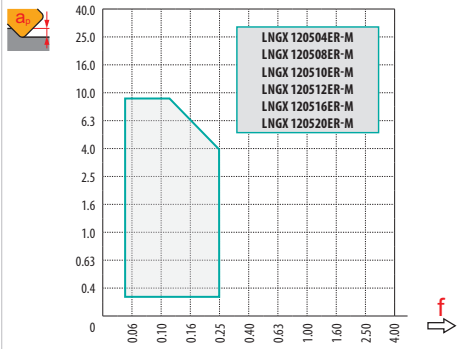
FA geometria con design altamente positivo per lavorazioni da leggere a medie.

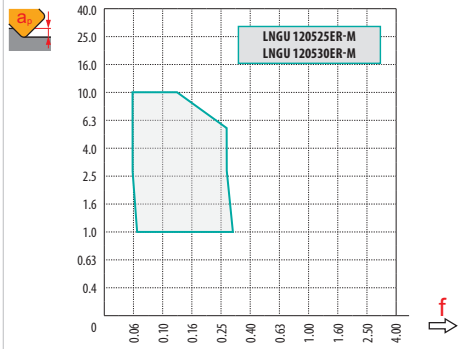
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

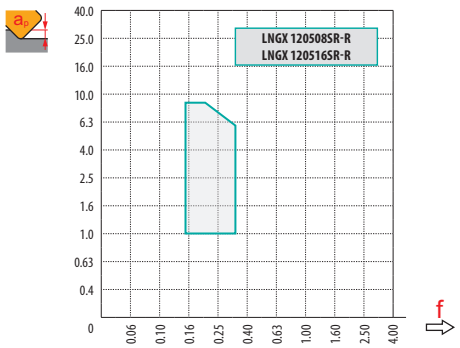
	LNGX 12-F		LNGX 12-M						LNGU 12-M	
RE	0.4	0.8	0.4	0.8	1.0	1.2	1.6	2.0	2.5	3.0
BS	2.29	1.89	2.29	1.89	1.69	1.49	1.09	0.68	0.87	0.36

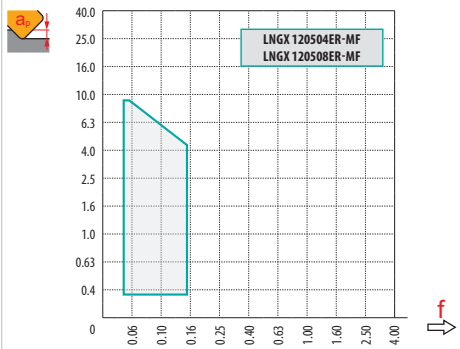
	LNGX 12-R		LNGX 12-MF		LNGX 12-MM	LNGX 12-FA	
RE	0.8	1.6	0.4	0.8	0.8	0.4	0.8
BS	1.88	1.08	2.28	1.88	1.88	2.30	1.89

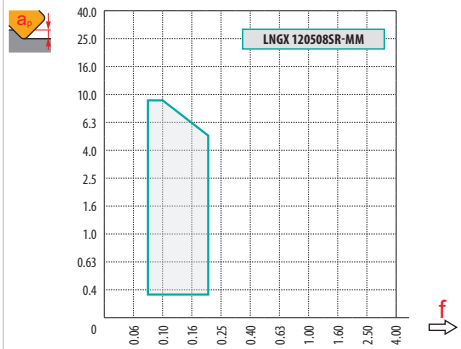


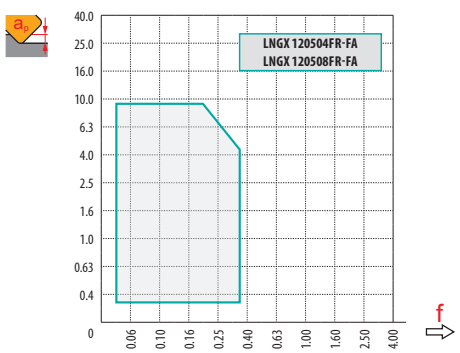


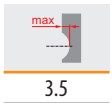












3.5

a_p	1.0	5.0	9.0
f	0.19	0.13	0.08

LNGX 12

DC	RPMX	APMX/I
25	1.3°	2.1/100
32	0.7°	1.1/100
40	0.5°	0.7/100
50	0.4°	0.5/100
63	0.2°	0.3/100
80	0.2°	0.2/100

LNGX 12

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
25	35.0	50.0	0.7	1.7
32	49.0	64.0	0.6	1.2
40	65.0	80.0	0.6	1.0
50	85.0	100.0	0.7	1.0
63	111.0	126.0	0.6	0.8
80	145.0	160.0	0.7	0.8

0.2

DC	µm	3	5	10	15	20	30	40	50	60	80	100
25	FE	0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657

RE	µm	3	5	10	15	20	30	40	50	60	80	100
1.6	FE	0.196	0.253	0.358	0.438	0.506	0.620	0.716	0.800	0.876	1.012	1.131
2.0		0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265
2.5		0.245	0.316	0.447	0.548	0.632	0.775	0.894	1.000	1.095	1.265	1.414
3.0		0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549

SLN16

P K N H

PRAMET

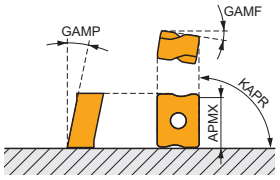
S

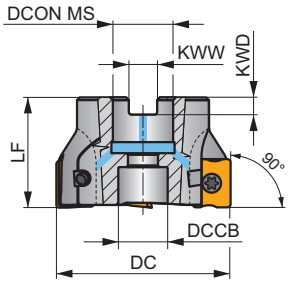
ECON LN16 Fresa a spallamento retto con refrigerante interno

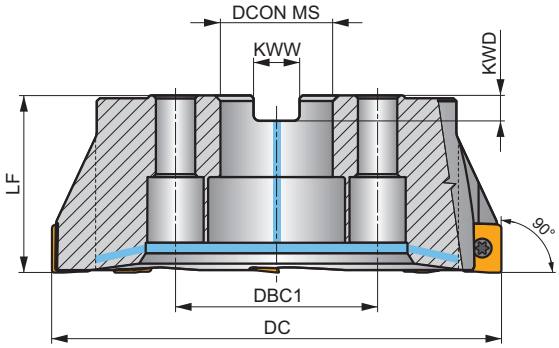
Fresa a 90° a manicotto che utilizza inserti bilaterali LN.. 16 con APMX di 13 mm. Adatta per un'ampia gamma di applicazioni. Disponibile con attacco a manicotto con passo denti differenziato. Corpo trattato per una maggiore durata dell'utensile.

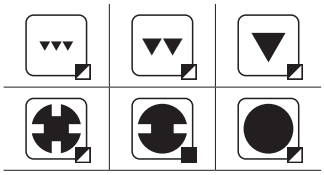
ECON LN

KAPR	90°
APMX	13.0 mm









h_m 0.08 - 0.2

	Codice prodotto	DC (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**63A04R-S90LN16-C**	63	40	22	18	–	10.4	6.3	-10.5	-6	4	✓	7600	✓	0.46	GI207	SQ353	–
	63A05R-S90LN16-C	63	40	22	18	–	10.4	6.3	-10.5	-6	5	✓	7600	✓	0.46	GI207	SQ353	–
	80A04R-S90LN16-C	80	50	27	38	–	12.4	7	-10.5	-6	4	✓	6800	✓	0.98	GI207	SQ351	AC001
	80A06R-S90LN16-C	80	50	27	38	–	12.4	7	-10.5	-6	6	✓	6800	✓	0.89	GI207	SQ351	AC001
	100A05R-S90LN16-C	100	50	32	45	–	14.4	8	-10.5	-6	5	✓	6100	✓	0.98	GI207	SQ351	AC002
	100A07R-S90LN16-C	100	50	32	45	–	14.4	8	-10.5	-6	7	✓	6100	✓	1.78	GI207	SQ351	AC002
	125A06R-S90LN16-C	125	63	40	56	–	16.4	9	-10.5	-6	6	✓	5400	✓	3.39	GI207	SQ351	AC003
	125A08R-S90LN16-C	125	63	40	56	–	16.4	9	-10.5	-6	8	✓	5400	✓	3.28	GI207	SQ351	AC003
	140A06R-S90LN16-C	140	63	40	56	–	16.4	9	-10.5	-6	6	✓	5100	✓	3.91	GI207	SQ351	AC003
	160C08R-S90LN16-C	160	63	40	–	66.7	16.4	9	-10.5	-6	8	✓	4700	✓	6.19	GI207	SQ356	–
	175C08R-S90LN16-C	175	63	40	–	66.7	16.4	9	-10.5	-6	8	✓	4500	✓	7.11	GI207	SQ356	–

GI207	LNMU 1607..	LNGU 1607..

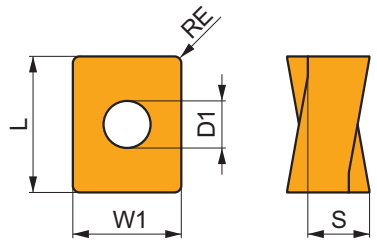
		Nm							
SQ351	US 45012-T20P	5.0	M 5	12	SDR T20P-T	–	–	–	–
SQ353	US 45012-T20P	5.0	M 5	12	SDR T20P-T	HS 1030C	–	–	–
SQ356	US 45012-T20P	5.0	M 5	12	SDR T20P-T	HS 1240C	CAC 160C	HSD 0825C	HXK 5

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

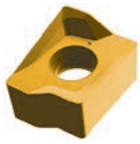
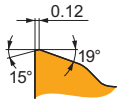
LNGU 16

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1607	13.200	5.70	16.60	7.50



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.

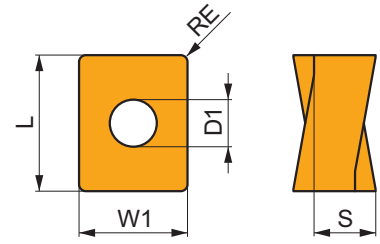
Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																			
LNGU 160708SR-M:8215	0.8	200	0.18	5.0	–	–	–	190	0.18	5.0	–	–	–	–	–	–	40	0.12	1.0
LNGU 160708SR-M:M8340	0.8	180	0.18	5.0	–	–	–	170	0.18	5.0	–	–	–	–	–	–	–	–	–
LNGU 160708SR-M:M9315	0.8	265	0.18	5.0	–	–	–	250	0.18	5.0	–	–	–	–	–	–	50	0.12	1.0
LNGU 160708SR-M:M9325	0.8	250	0.18	5.0	–	–	–	235	0.18	5.0	–	–	–	–	–	–	50	0.12	1.0

M geometria con design altamente positivo per lavorazioni medie.

LNMU 16

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1607	13.200	5.70	16.60	7.50

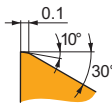
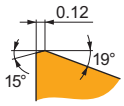


Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																			
LNMU 160708ER-F:M8330	0.8	230	0.16	1.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LNMU 160708ER-F:M8340	0.8	210	0.16	1.7	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

F geometria con design altamente positivo per lavorazioni leggere.

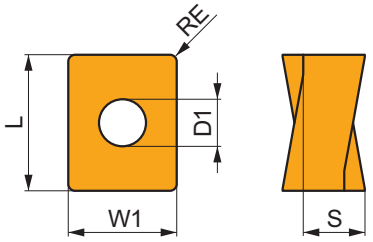
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																			
M geometria con design positivo per lavorazioni medie.																			
LNMU 160708SR-M:8215	0.8	200	0.18	5.0	–	–	–	190	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160708SR-M:M6330	0.8	170	0.18	5.0	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LNMU 160708SR-M:M8330	0.8	200	0.18	5.0	–	–	–	190	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160708SR-M:M8340	0.8	180	0.18	5.0	–	–	–	170	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160708SR-M:M9325	0.8	250	0.18	5.0	–	–	–	235	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160720SR-M:M8330	2.0	230	0.18	5.0	–	–	–	215	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160720SR-M:M8340	2.0	210	0.18	5.0	–	–	–	195	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160730SR-M:M8330	3.0	230	0.18	5.0	–	–	–	215	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160730SR-M:M8340	3.0	210	0.18	5.0	–	–	–	195	0.18	5.0	–	–	–	–	–	–	–	–	–
LNMU 160740SR-M:M8340	4.0	210	0.18	5.0	–	–	–	195	0.18	5.0	–	–	–	–	–	–	–	–	–
																			
R geometria con design positivo bilanciato per lavorazioni medie.																			
LNMU 160708SR-R:M5315	0.8	265	0.18	6.3	–	–	–	250	0.18	6.3	–	–	–	–	–	–	50	0.12	1.0
LNMU 160708SR-R:M8330	0.8	195	0.18	6.3	–	–	–	185	0.18	6.3	–	–	–	–	–	–	35	0.12	1.0
LNMU 160708SR-R:M8340	0.8	175	0.18	6.3	–	–	–	165	0.18	6.3	–	–	–	–	–	–	–	–	–
LNMU 160708SR-R:M9315	0.8	260	0.18	6.3	–	–	–	245	0.18	6.3	–	–	–	–	–	–	50	0.12	1.0
LNMU 160708SR-R:M9325	0.8	240	0.18	6.3	–	–	–	225	0.18	6.3	–	–	–	–	–	–	45	0.12	1.0
LNMU 160716SR-R:M8330	1.6	215	0.18	6.3	–	–	–	200	0.18	6.3	–	–	–	–	–	–	40	0.12	1.1
LNMU 160716SR-R:M8340	1.6	195	0.18	6.3	–	–	–	185	0.18	6.3	–	–	–	–	–	–	–	–	–
LNMU 160716SR-R:M9315	1.6	285	0.18	6.3	–	–	–	270	0.18	6.3	–	–	–	–	–	–	55	0.12	1.1
LNMU 160716SR-R:M9325	1.6	265	0.18	6.3	–	–	–	250	0.18	6.3	–	–	–	–	–	–	50	0.12	1.1

LNGU 16-FA

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1607	13.200	5.70	16.60	7.50

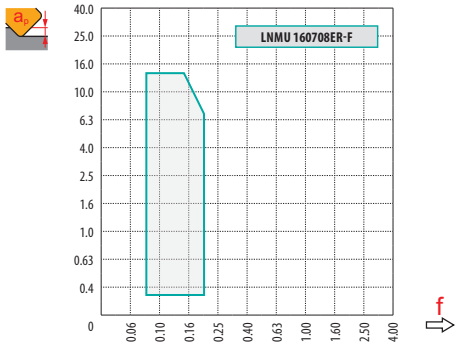


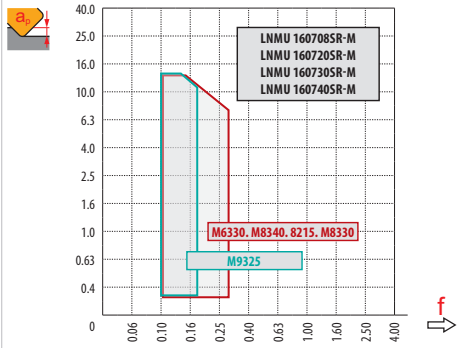
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

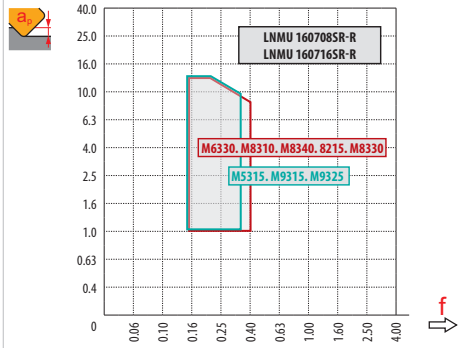
Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																			
FA geometria con design altamente positivo per lavorazioni da leggere a medie.																			
LNGU 160708FR-FA:HF7	0.8	–	–	–	–	–	–	–	–	–	300	0.30	3.0	–	–	–	–	–	–

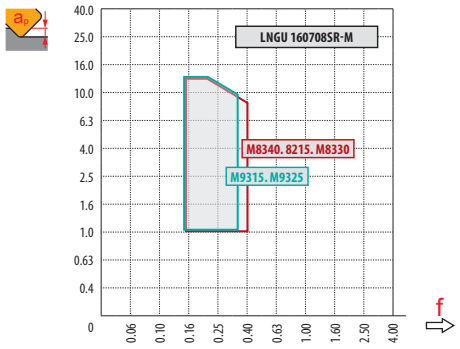
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

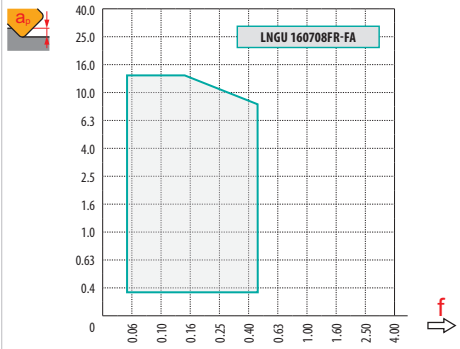
	LNMU 16-F	LNMU 16-M				LNMU 16-R		LNGU 16-M	LNGU 16-FA
RE	0.8	0.8	2.0	3.0	4.0	0.8	1.6	0.8	0.8
BS	3.30	3.30	2.11	1.12	0.10	3.30	2.50	3.24	3.30











max
7.0

a_p	1.0	6.0	13.0
1 f	0.31	0.24	0.13

SLN12X

P K H

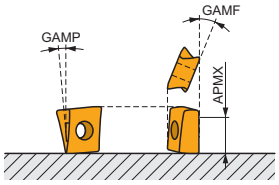
PRAMET

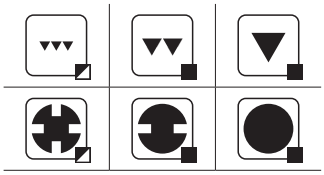
S

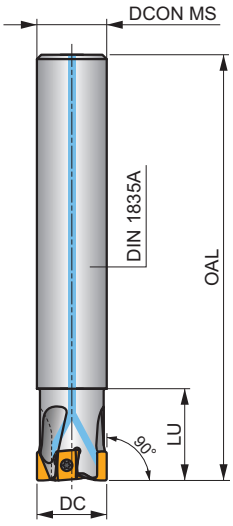
PROD LN12 Fresa tangenziale a spallamento retto a 90° con passaggio refrigerante interno

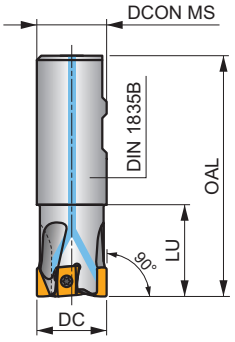
Frese a candela ed a manicotto a 90° altamente produttive, che prevedono l'utilizzo dell'inserto tangenziale LNEX 12 con 4 taglienti e un APMX di 10 mm. Adatte per una vasta gamma di applicazioni. Disponibilità di corpi fresa con attacco cilindrico, weldon ed a manicotto. Il corpo fresa robusto garantisce una lunga vita utensile ed un'eccellente resistenza alla rottura.

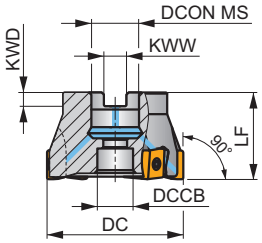
KAPR	90°
APMX	10.0 mm











h_m 0.06 - 0.18

h_m 0.06 - 0.20

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835A	25A2R042A25-SLN12X-C	25	170	25	–	42	–	–	–	-30	-5	2	–	17300	✓	0.55	GI206	C0382
	25A2R080A25-SLN12X-C	25	170	25	–	80	–	–	–	-30	-5	2	–	17300	✓	0.50	GI206	C0382
	32A3R042A32-SLN12X-C	32	195	32	–	42	–	–	–	-22.5	-5	3	–	15300	✓	1.08	GI206	SQ340
	32A3R090A32-SLN12X-C	32	195	32	–	90	–	–	–	-22.5	-5	3	–	15300	✓	1.02	GI206	SQ340
	40A4R050A32-SLN12X-C	40	195	32	–	50	–	–	–	-22.5	-5	4	–	13700	✓	1.17	GI206	SQ340
DIN 1835B	25A2R042B25-SLN12X-C	25	100	25	–	42	–	–	–	-30	-5	2	–	17300	✓	0.29	GI206	C0382
	32A3R042B32-SLN12X-C	32	110	32	–	42	–	–	–	-22.5	-5	3	–	15300	✓	0.58	GI206	SQ340
	40A4R050B32-SLN12X-C	40	120	32	–	50	–	–	–	-22.5	-5	4	–	13700	✓	0.73	GI206	SQ340
ISO 6462 DIN 8030	40A03R-S90LN12X-C	40	–	16	12.4	–	40	8.4	5.6	-22.5	-5	3	–	13700	✓	0.15	GI206	SQ345
	40A04R-S90LN12X-C	40	–	16	12.4	–	40	8.4	5.6	-22.5	-5	4	✓	13700	✓	0.23	GI206	SQ345
	50A05R-S90LN12X-C	50	–	22	16.5	–	40	10.4	6.3	-19.5	-5	5	–	12300	✓	0.34	GI206	SQ343
	50A06R-S90LN12X-C	50	–	22	16.5	–	40	10.4	6.3	-19.5	-5	6	–	12300	✓	0.34	GI206	SQ343
	52A05R-S90LN12X-C	52	–	22	16.5	–	40	10.4	6.3	-19.5	-5	5	–	12300	✓	0.37	GI206	SQ343
	63A06R-S90LN12X-C	63	–	22	16.5	–	40	10.4	6.3	-19.5	-5	6	✓	10900	✓	0.61	GI206	SQ343
	63A08R-S90LN12X-C	63	–	22	16.5	–	40	10.4	6.3	-19.5	-5	8	–	10900	✓	0.50	GI206	SQ343
	66A06R-S90LN12X-C	66	–	22	16.5	–	40	10.4	6.3	-19.5	-5	6	✓	10900	✓	0.54	GI206	SQ343
	80A07R-S90LN12X-C	80	–	27	38.1	–	50	12.4	7	-19.5	-5	7	✓	9700	✓	1.00	GI206	SQ341
	80A10R-S90LN12X-C	80	–	27	38.1	–	50	12.4	7	-19.5	-5	10	–	9700	✓	0.98	GI206	SQ341
	100A08R-S90LN12X-C	100	–	32	45.1	–	50	14.4	8	-17.5	-5	8	✓	8700	✓	1.90	GI206	SQ341
	100A11R-S90LN12X-C	100	–	32	45.1	–	50	14.4	8	-17.5	-5	11	–	8700	✓	1.88	GI206	SQ341
	125A12R-S90LN12X-C	125	–	40	56.1	–	63	16.4	9	-17.5	-5	12	✓	7800	✓	3.39	GI206	SQ341

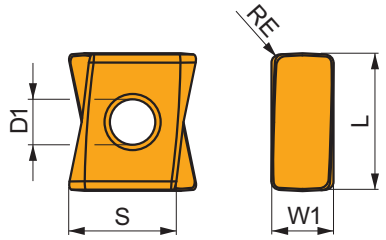
GI206	LNEX 1210..

		Nm						
C0382	US 44010-T15P	3.5	M 4	10	–	–	Flag T15P	–
SQ340	US 44012-T15P	3.5	M 4	12	–	–	Flag T15P	–
SQ341	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	–
SQ343	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	HS 1030C
SQ345	US 44012-T15P	3.5	M 4	12	D-T08P/T15P	FG-15	–	HS 90835

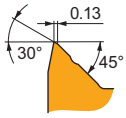
LNEX 12

PRAMET

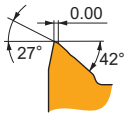
	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1210	6.000	4.40	13.30	10.26



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.

Codice prodotto	RE	P			M			K			N			S			H		
		vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																			
LNEX 121008SR-F:M6330	0.8	220	0.17	3.0	155	0.15	3.0	–	–	–	–	–	–	–	–	–	–	–	–
LNEX 121008SR-F:M8310	0.8	280	0.17	3.0	140	0.15	3.0	265	0.17	3.0	–	–	–	–	–	–	55	0.11	1.0
LNEX 121008SR-F:M8330	0.8	260	0.17	3.0	155	0.15	3.0	245	0.17	3.0	–	–	–	–	–	–	50	0.11	1.0
LNEX 121008SR-F:M8340	0.8	235	0.17	3.0	140	0.15	3.0	220	0.17	3.0	–	–	–	–	–	–	–	–	–
LNEX 121012SR-F:M6330	1.2	230	0.17	3.0	165	0.15	3.0	–	–	–	–	–	–	–	–	–	–	–	–
LNEX 121012SR-F:M8310	1.2	295	0.17	3.0	150	0.15	3.0	280	0.17	3.0	–	–	–	–	–	–	55	0.11	1.0
LNEX 121012SR-F:M8330	1.2	270	0.17	3.0	160	0.15	3.0	255	0.17	3.0	–	–	–	–	–	–	50	0.11	1.0

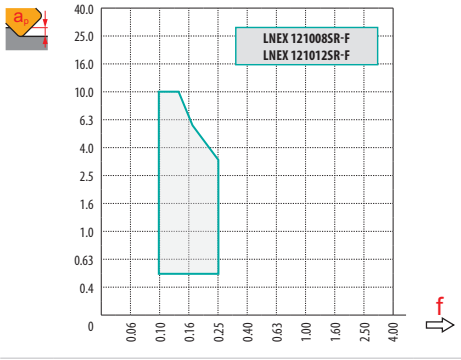
F la geometria positiva è utilizzata per lavorazioni leggere e medie, adatta per applicazioni caratterizzate da sbalzi elevati. Progettata con un angolo di taglio altamente positivo, T-land stretto e arrotondamento del tagliente per lavorazioni da leggere a medie.

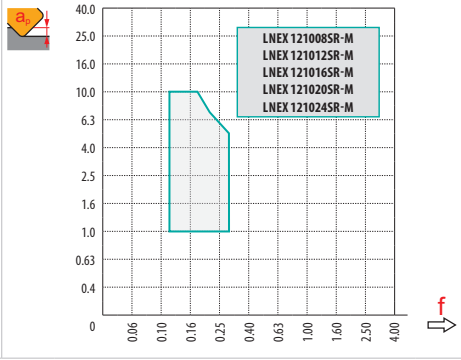
																			
LNEX 121008SR-M:M6330	0.8	210	0.20	3.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LNEX 121008SR-M:M8310	0.8	265	0.20	3.5	–	–	–	250	0.20	3.5	–	–	–	–	–	–	50	0.16	1.0
LNEX 121008SR-M:M8330	0.8	245	0.20	3.5	–	–	–	230	0.20	3.5	–	–	–	–	–	–	45	0.16	1.0
LNEX 121008SR-M:M8340	0.8	220	0.20	3.5	–	–	–	205	0.20	3.5	–	–	–	–	–	–	–	–	–
LNEX 121008SR-M:M9315	0.8	320	0.20	3.5	–	–	–	300	0.20	3.5	–	–	–	–	–	–	60	0.16	1.0
LNEX 121008SR-M:M9325	0.8	300	0.20	3.5	–	–	–	285	0.20	3.5	–	–	–	–	–	–	60	0.16	1.0
LNEX 121008SR-M:M9340	0.8	270	0.20	3.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LNEX 121012SR-M:M8310	1.2	280	0.20	3.5	–	–	–	265	0.20	3.5	–	–	–	–	–	–	55	0.16	1.0
LNEX 121012SR-M:M8330	1.2	255	0.20	3.5	–	–	–	240	0.20	3.5	–	–	–	–	–	–	50	0.16	1.0
LNEX 121012SR-M:M8340	1.2	235	0.20	3.5	–	–	–	220	0.20	3.5	–	–	–	–	–	–	–	–	–
LNEX 121016SR-M:M8310	1.6	295	0.20	3.5	–	–	–	280	0.20	3.5	–	–	–	–	–	–	55	0.16	1.0
LNEX 121016SR-M:M8330	1.6	270	0.20	3.5	–	–	–	255	0.20	3.5	–	–	–	–	–	–	50	0.16	1.0
LNEX 121016SR-M:M8340	1.6	245	0.20	3.5	–	–	–	230	0.20	3.5	–	–	–	–	–	–	–	–	–
LNEX 121020SR-M:M8330	2.0	285	0.20	3.5	–	–	–	270	0.20	3.5	–	–	–	–	–	–	55	0.16	1.0
LNEX 121020SR-M:M8340	2.0	255	0.20	3.5	–	–	–	240	0.20	3.5	–	–	–	–	–	–	–	–	–
LNEX 121024SR-M:M8330	2.4	285	0.20	3.5	–	–	–	270	0.20	3.5	–	–	–	–	–	–	55	0.16	1.0
LNEX 121024SR-M:M8340	2.4	255	0.20	3.5	–	–	–	240	0.20	3.5	–	–	–	–	–	–	–	–	–

M la geometria versatile rappresenta la prima scelta per una vasta gamma di condizioni di lavoro. Progettata con un angolo di taglio positivo, T-land medio e arrotondamento del tagliente per lavorazioni da medie a semi-sgrossatura.

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	LNEX 12-F		LNEX 12-M				
RE	0.8	1.2	0.8	1.2	1.6	2.0	2.4
BS	2.25	1.73	2.25	1.73	1.33	1.15	0.79





max
2.5

a_p	2.0	3.0	4.0	5.0
1 f	0.30	0.20	0.20	0.15

DC	RPMX	APMX/I
25	0.80°	1.40/100
32	0.60°	1.00/100
40	0.35°	0.60/100
50	0.30°	0.50/100
52	0.30°	0.50/100
63	0.20°	0.35/100

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
25	44.0	48.0	0.6	0.7
32	58.0	62.0	0.8	1.0
40	74.0	78.0	0.7	0.8
50	94.0	98.0	0.7	0.8
52	98.0	102.0	0.7	0.8
63	120.0	124.0	0.3	0.4

DC	µm	3	5	10	15	20	30	40	50	60	80	100
25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
52		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
63		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657

RE	µm	3	5	10	15	20	30	40	50	60	80	100
0.8		0.155	0.200	0.283	0.346	0.400	0.490	0.566	0.632	0.693	0.800	0.894
1.2		0.170	0.219	0.310	0.379	0.438	0.537	0.620	0.693	0.759	0.876	0.980
1.6		0.196	0.253	0.358	0.438	0.506	0.620	0.716	0.800	0.876	1.012	1.131
2.0		0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265
2.4		0.245	0.316	0.447	0.548	0.632	0.775	0.894	1.000	1.095	1.265	1.414

SPIANATURA

	SAD07D	SAD11E	SAD16E	SAP10D	SAP16D
	90°	90°	90°	90°	90°
	APMX (mm) 5.0	APMX (mm) 9.0	APMX (mm) 13.0	APMX (mm) 9.0	APMX (mm) 13.0
	DC (mm) 10 – 32	DC (mm) 16 – 125	DC (mm) 25 – 175	DC (mm) 10 – 25	DC (mm) 25 – 125
Codolo cilindrico	 DC = 10 – 25 (mm)	 DC = 16 – 35 (mm)	 DC = 25, 32 (mm)		
Weldon		 DC = 16 – 32 (mm)	 DC = 25 – 40 (mm)	 DC = 10 – 25 (mm)	 DC = 25 – 40 (mm)
Modulare	 DC = 12 – 32 (mm)	 DC = 16 – 40 (mm)	 DC = 32, 40 (mm)		
Fresa a manicotto		 DC = 40 – 125 (mm)	 DC = 40 – 175 (mm)		 DC = 40 – 125 (mm)
Pagina	90	97	106	114	117
ISO	P M K N S	P M K N S H	P M K N S H	P M K N S	P M K N S
Forma dell'inserto					
Inserti	AD.X 0702	AD.X 11T3	AD.X 1606	APKT 1003	AP.T 1604
N. di taglienti	2	2	2	2	2
Spianatura	■	■	■	■	■
Smussatura	■	■	■	■	■
Interpolazione elicoidale	■	■	■	■	■
Fresatura a tuffo progressiva	■	■	■	■	■
Rampa	■	■	■	■	■
Fresatura di superfici sagomate (fresatura a copiare)	■	■	■	■	■
Fresatura di spallamento superficiale	◪	◪	◪	◪	◪
Cave poco profonde	◪	■	■		

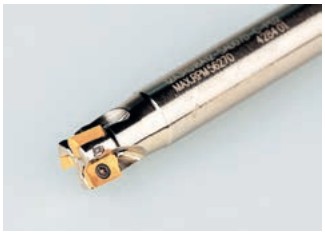
■ Uso primario ◪ Uso possibile

SAD07D

P M K N S

PRAMET

S

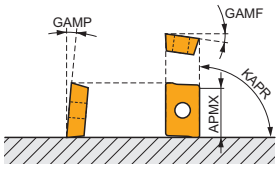


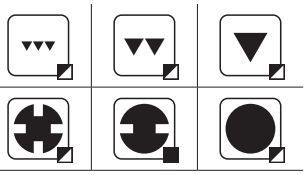
FORCE AD07 Fresa a spallamento retto con refrigerante interno

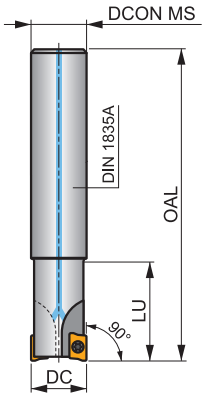
Fresa a candela a 90° con inserto positivo AD .. 07 con APMX di 5 mm. Adatta per spianatura, spallamento, cave, fresatura elicoidale, trocoidale, in rampa e a tuffo. Disponibile con codolo cilindrico e modulare filettato e con passo differenziato dei taglienti . Corpo trattato per una maggiore durata dell'utensile.

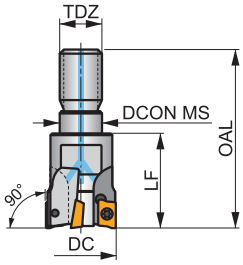
FORCE AD

KAPR	90°
APMX	5.0 mm









h_m 0.03 - 0.08

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LF (mm)	TDZ	GAMF (°)	GAMP (°)			max.		kg		
	10A2R016A08-SAD07D-C	10	100	8	16	–	–	-12	8	2	–	61600	✓	0.05	GI276	SQ010
	10A2R016A10-SAD07D-C	10	80	10	16	–	–	-12	8	2	–	61600	✓	0.05	GI276	SQ010
	10A2R018A08-SAD07D-CF	10	100	8	18	–	–	-12	8	2	–	61600	✓	0.06	GI276	SQ010
	10A2R018A10-SAD07D-CF	10	80	10	18	–	–	-12	8	2	–	61600	✓	0.05	GI276	SQ010
	12A2R018A10-SAD07D-C	12	120	10	18	–	–	-10	8	2	–	56300	✓	0.09	GI276	SQ010
	12A2R018A12-SAD07D-C	12	90	12	18	–	–	-10	8	2	–	56300	✓	0.09	GI276	SQ010
	12A3R018A12-SAD07D-C	12	90	12	18	–	–	-10	8	3	–	56200	✓	0.09	GI276	SQ010
	12A3R020A12-SAD07D-CF	12	90	12	20	–	–	-10	8	3	–	56200	✓	0.09	GI276	SQ010
	14A3R018A12-SAD07D-C	14	140	12	18	–	–	-9	8	3	–	52100	✓	0.13	GI276	SQ010
	14A3R018A14-SAD07D-C	14	90	14	18	–	–	-9	8	3	–	52100	✓	0.11	GI276	SQ010
DIN 1835A	14A3R020A12-SAD07D-CF	14	140	12	20	–	–	-9	8	3	–	52100	✓	0.14	GI276	SQ010
DIN 1835A	14A3R020A14-SAD07D-CF	14	90	14	20	–	–	-9	8	3	–	52100	✓	0.11	GI276	SQ010
	16A3R019A14-SAD07D-C	16	160	14	19	–	–	-8	8	3	–	48700	✓	0.21	GI276	SQ011
	16A3R019A16-SAD07D-C	16	110	16	19	–	–	-8	8	3	–	48700	✓	0.18	GI276	SQ011
	16A4R019A16-SAD07D-C	16	110	16	19	–	–	-8	8	4	–	48700	✓	0.18	GI276	SQ011
	18A4R019A16-SAD07D-C	18	180	16	19	–	–	-7.5	8	4	✓	45900	✓	0.28	GI276	SQ011
	18A4R019A18-SAD07D-C	18	110	18	19	–	–	-7.5	8	4	✓	45900	✓	0.22	GI276	SQ011
	20A4R020A18-SAD07D-C	20	200	18	20	–	–	-7	8	4	✓	43600	✓	0.37	GI276	SQ011
	20A4R020A20-SAD07D-C	20	125	20	20	–	–	-7	8	4	✓	43600	✓	0.29	GI276	SQ011
	20A5R020A20-SAD07D-C	20	125	20	20	–	–	-7	8	5	✓	43600	✓	0.30	GI276	SQ011
	25A5R024A25-SAD07D-C	25	140	25	24	–	–	-6.5	8	5	✓	39000	✓	0.51	GI276	SQ011
	25A6R024A25-SAD07D-C	25	140	25	24	–	–	-6.5	8	6	✓	39000	✓	0.51	GI276	SQ011
	12A2R020M06-SAD07D-C	12	35	6.5	–	20	M6	-10	8	2	–	–	✓	0.04	GI276	SQ010
MODULAR	14A3R020M08-SAD07D-C	14	38	8.5	–	20	M8	-9	8	3	–	–	✓	0.04	GI276	SQ010
MODULAR	14A3R023M08-SAD07D-CF	14	41	8.5	–	23	M8	-9	8	3	–	–	✓	0.05	GI276	SQ010
	16A4R023M08-SAD07D-C	16	41	8.5	–	23	M8	-8	8	4	✓	–	✓	0.05	GI276	SQ011
	20A5R030M10-SAD07D-C	20	49	10.5	–	30	M10	-7	8	5	✓	–	✓	0.08	GI276	SQ011

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	LU (mm)	LF (mm)	TDZ	GAMF (°)	GAMP (°)			max.		kg		
MODULAR	**25A6R035M12-SAD07D-C**	25	57	12.5	–	35	M12	-6.5	8	6	✓	–	✓	0.13	GI276	SQ011
MODULAR	**32A8R043M16-SAD07D-C**	32	66	17	–	43	M16	-6	8	8	✓	–	✓	0.24	GI276	SQ011

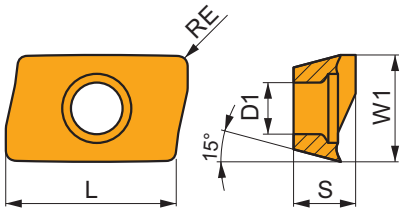
GI276	ADMX 0702..	ADEX 0702..

		Nm			
SQ010	US 62003A-T06P	0.6	M 2	3	Flag T06P
SQ011	US 62004A-T06P	0.6	M 2	4	Flag T06P

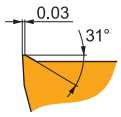
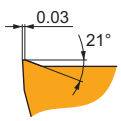
ADMX 07

PRAMET

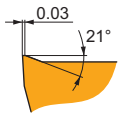
	W1 (mm)	D1 (mm)	L (mm)	S (mm)
0702	4.482	2.20	6.95	2.48



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.

Codice prodotto		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
			F geometria con design altamente affilato per lavorazioni leggere.																	
ADMX 070202SR-F:M8330	●	0.2	220	0.07	2.0	130	0.06	2.0	–	–	–	660	0.08	2.0	55	0.05	1.6	–	–	–
ADMX 070204SR-F:M6330	●	0.4	200	0.07	2.0	140	0.06	2.0	–	–	–	–	–	–	60	0.05	1.6	–	–	–
ADMX 070204SR-F:M8330	●	0.4	235	0.07	2.0	140	0.06	2.0	–	–	–	705	0.08	2.0	55	0.05	1.6	–	–	–
ADMX 070204SR-F:M8340	●	0.4	215	0.07	2.0	125	0.06	2.0	–	–	–	–	–	–	50	0.05	1.6	–	–	–
ADMX 070208SR-F:M8310	⧓	0.8	320	0.07	2.0	160	0.06	2.0	–	–	–	–	–	–	–	–	–	–	–	–
ADMX 070208SR-F:M8330	⧓	0.8	280	0.07	2.0	165	0.06	2.0	–	–	–	840	0.08	2.0	70	0.05	1.6	–	–	–
ADMX 070208SR-F:M8340	⧓	0.8	255	0.07	2.0	150	0.06	2.0	–	–	–	–	–	–	60	0.05	1.6	–	–	–
																				
			M geometria con design positivo per lavorazioni da leggere a medie.																	
ADMX 070202SR-M:M8330	●	0.2	205	0.09	2.2	120	0.08	2.2	190	0.09	2.2	615	0.11	2.2	50	0.06	1.8	–	–	–
ADMX 070202SR-M:M8340	●	0.2	185	0.09	2.2	110	0.08	2.2	175	0.09	2.2	–	–	–	45	0.06	1.8	–	–	–
ADMX 070204SR-M:8215	●	0.4	225	0.09	2.2	135	0.08	2.2	210	0.09	2.2	675	0.11	2.2	55	0.06	1.8	–	–	–
ADMX 070204SR-M:M6330	●	0.4	190	0.09	2.2	135	0.08	2.2	–	–	–	–	–	–	55	0.06	1.8	–	–	–
ADMX 070204SR-M:M8310	●	0.4	245	0.09	2.2	120	0.08	2.2	230	0.09	2.2	–	–	–	–	–	–	–	–	–
ADMX 070204SR-M:M8330	●	0.4	220	0.09	2.2	130	0.08	2.2	205	0.09	2.2	660	0.11	2.2	55	0.06	1.8	–	–	–
ADMX 070204SR-M:M8340	●	0.4	200	0.09	2.2	120	0.08	2.2	190	0.09	2.2	–	–	–	50	0.06	1.8	–	–	–
ADMX 070204SR-M:M9340	●	0.4	265	0.09	2.2	155	0.08	2.2	–	–	–	–	–	–	65	0.06	1.8	–	–	–
ADMX 070208SR-M:8215	⧓	0.8	270	0.09	2.2	160	0.08	2.2	255	0.09	2.2	810	0.11	2.2	65	0.06	1.8	–	–	–

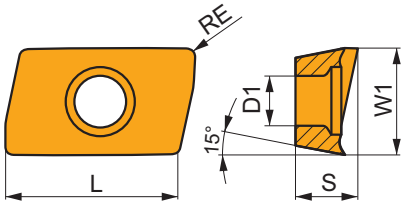
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
 																			
M geometria con design positivo per lavorazioni da leggere a medie.																			
ADMX 070208SR-M:M6330	0.8	225	0.09	2.2	160	0.08	2.2	–	–	–	–	–	–	65	0.06	1.8	–	–	–
ADMX 070208SR-M:M8310	0.8	290	0.09	2.2	145	0.08	2.2	275	0.09	2.2	–	–	–	–	–	–	–	–	–
ADMX 070208SR-M:M8330	0.8	260	0.09	2.2	155	0.08	2.2	245	0.09	2.2	780	0.11	2.2	65	0.06	1.8	–	–	–
ADMX 070208SR-M:M8340	0.8	240	0.09	2.2	140	0.08	2.2	225	0.09	2.2	–	–	–	60	0.06	1.8	–	–	–
ADMX 070208SR-M:M9340	0.8	315	0.09	2.2	185	0.08	2.2	–	–	–	–	–	–	75	0.06	1.8	–	–	–
ADMX 070216SR-M:M8330	1.6	290	0.09	2.2	170	0.08	2.2	275	0.09	2.2	870	0.11	2.2	70	0.06	1.8	–	–	–
ADMX 070220SR-M:M8310	2.0	340	0.09	2.2	170	0.08	2.2	320	0.09	2.2	–	–	–	–	–	–	–	–	–
ADMX 070220SR-M:M8330	2.0	300	0.09	2.2	180	0.08	2.2	285	0.09	2.2	900	0.11	2.2	75	0.06	1.8	–	–	–
ADMX 070220SR-M:M8340	2.0	275	0.09	2.2	165	0.08	2.2	260	0.09	2.2	–	–	–	65	0.06	1.8	–	–	–

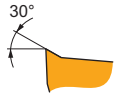
ADEX 07-FA

PRAMET

	W1 (mm)	D1 (mm)	L (mm)	S (mm)
0702	4.497	2.20	6.95	2.48

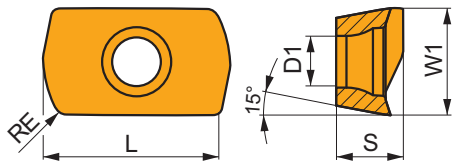


Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

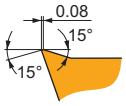
Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
 																			
FA geometria con design altamente positivo per lavorazioni da leggere a medie.																			
ADEX 070204FR-FA:HF7	0.4	–	–	–	–	–	–	–	–	–	240	0.18	3.0	–	–	–	–	–	–
ADEX 070204FR-FA:M0315	0.4	–	–	–	–	–	–	–	–	–	555	0.18	3.0	–	–	–	–	–	–
ADEX 070208FR-FA:HF7	0.8	–	–	–	–	–	–	–	–	–	285	0.18	3.0	–	–	–	–	–	–

ADEX 07-HF

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
0702	4.439	2.20	6.45	2.48



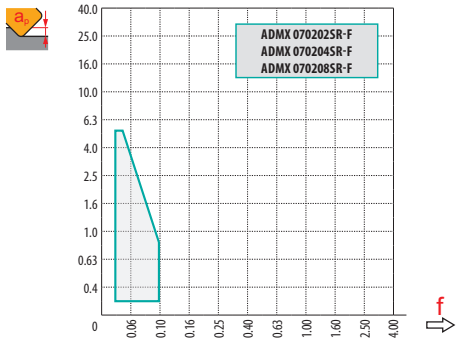
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

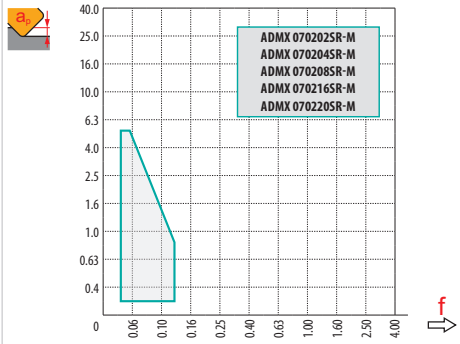
Codice prodotto	RE	P			M			K			N			S			H		
		vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
		HFC S																	
ADEX 070206SR-HF:M6330	0.6	200	0.60	0.3	140	0.54	0.3	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 070206SR-HF:M8330	0.6	225	0.60	0.3	135	0.54	0.3	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 070206SR-HF:M8340	0.6	215	0.60	0.3	125	0.54	0.3	–	–	–	–	–	–	–	–	–	–	–	–

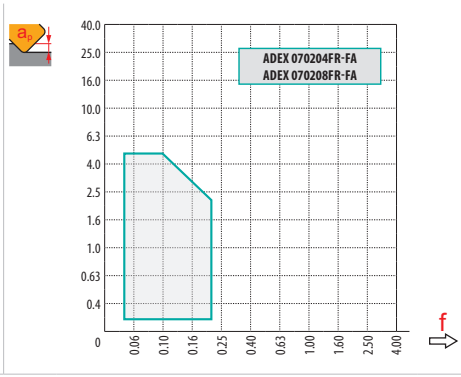
HF geometria con design altamente positivo per lavorazioni ad alto avanzamento.

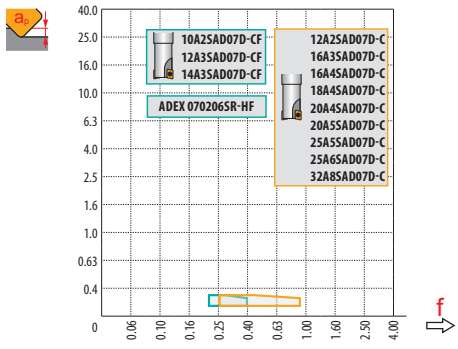
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	ADMX 07-F			ADMX 07-M					ADEX 07-HF	ADEX 07-FA	
RE	0.2	0.4	0.8	0.2	0.4	0.8	1.6	2.0	0.6	0.4	0.8
BS	1.38	0.89	0.54	1.38	0.89	0.54	0.7	0.33	–	0.94	0.55









ADEX 07-HF				
DC	a_p	0	0.1	0.2	0.3
10	DEF	5.6	7.8	8.7	9.4
12		7.6	9.8	10.7	11.4
14		9.6	11.8	12.7	13.4
16		11.6	13.8	14.7	15.4
18		13.6	15.8	16.7	17.4
20		15.6	17.8	18.7	19.4
25		20.6	22.8	23.7	24.4
32		27.6	29.8	30.7	31.4

HFC			
a_p	0.1	0.2	0.3
1 f	0.9	0.8	0.6

max
3.0

a_p	1.0	3.0	5.0
1 f	0.13	0.08	0.05

	HFC		
a_p	0.1	0.2	0.3
1 f	0.7	0.6	0.4

DC	RPMX	APMX/I
10	5.2°	5.0/56
12	3.4°	5.0/86
14	2.5°	4.2/100
16	1.9°	3.2/100
18	1.7°	2.8/100
20	1.5°	2.5/100
25	1.1°	1.8/100
32	0.8°	1.2/100

	HFC	
DC	RPMX	APMX/I
10	3.5°	0.3/6
12	2.2°	0.3/9
14	1.6°	0.3/12
16	1.3°	0.3/15
18	1.1°	0.3/17
20	0.9°	0.3/21
25	0.7°	0.3/26
32	0.5°	0.3/36

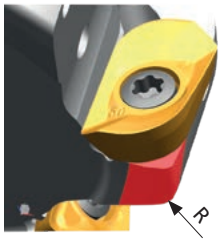
DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
10	12.0	20.0	0.5	2.8
12	16.0	24.0	0.7	2.2
14	20.0	28.0	0.8	1.9
16	24.0	32.0	0.8	1.6
18	28.0	36.0	0.9	1.6
20	32.0	40.0	0.9	1.6
25	42.0	50.0	1.0	1.5
32	56.0	64.0	1.0	1.4

	HFC			
DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
10	12	20	0.30	0.30
12	16	24	0.30	0.30
14	20	28	0.30	0.30
16	24	32	0.30	0.30
18	28	36	0.30	0.30
20	32	40	0.30	0.30
25	42	50	0.30	0.30
32	56	64	0.30	0.30

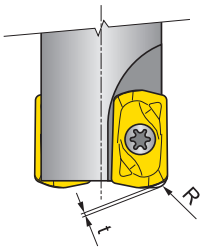
a_p
0.5

a_p	HFC
	0.3

DC	µm	3	5	10	15	20	30	40	50	60	80	100
10		0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000
12		0.379	0.490	0.693	0.849	0.980	1.200	1.386	1.549	1.697	1.960	2.191
14		0.410	0.529	0.748	0.917	1.058	1.296	1.497	1.673	1.833	2.117	2.366
16	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
18		0.465	0.600	0.849	1.039	1.200	1.470	1.697	1.897	2.078	2.400	2.683
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578



ADMX 07	R
ADMX 070216SR-M	1
ADMX 070220SR-M	1.5
ADEX 070206SR-HF	1



ADEX 07	R	t
ADEX 070206SR-HF	0.8	0.18

SAD11E

P M K N S H

PRAMET

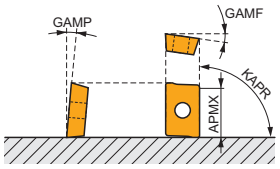
S

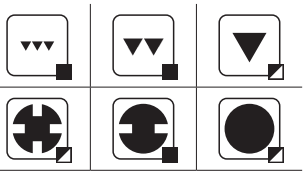
FORCE AD11 Fresa a spallamento retto con refrigerante interno

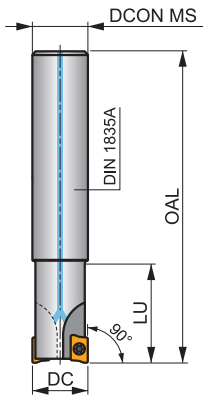
Fresa a candela ed a manicotto a 90° che utilizza inserti positivi AD.. 11 con APMX di 9 mm. Adatta per spianatura, spallamento, cave, fresatura elicoidale, trocoidale, in rampa e a tuffo. Disponibile con codolo cilindrico, Weldon, cono morse, modulare filettato ed a manicotto (con passo differenziato) . Corpo trattato per una maggiore durata dell'utensile.

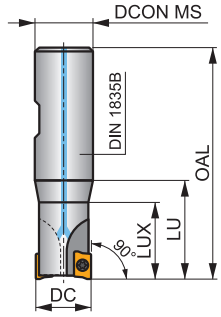
FORCE AD

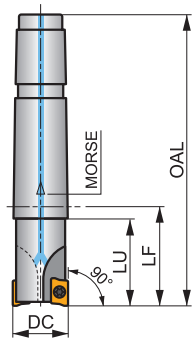
KAPR	90°
APMX	9.0 mm

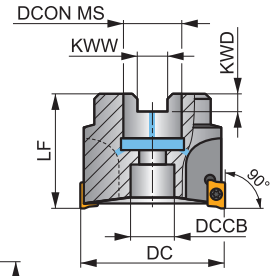


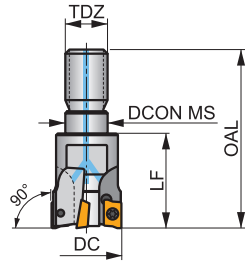












h_m	0.06 – 0.13
h_m	0.08 – 0.16

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	CZC MS	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
	16A2R024A14-SAD11E-C	16	160	14	–	24	–	–	–	–	–	–	-12.8	4	2	–	30100	✓	0.19	GI169	SQ025	–
	16A2R024A16-SAD11E-C	16	135	16	–	24	–	–	–	–	–	–	-12.8	4	2	–	30100	✓	0.19	GI169	SQ025	–
	16A2R050A16-SAD11E-C	16	135	16	–	50	–	–	–	–	–	–	-12.8	4	2	–	30100	✓	0.20	GI169	SQ025	–
	18A2R029A20-SAD11E-C	18	150	20	–	29	–	–	–	–	–	–	-12	4.5	2	–	28400	✓	0.35	GI169	SQ025	–
	20A2R029A20-SAD11E-C	20	150	20	–	29	–	–	–	–	–	–	-11.5	5	2	–	27000	✓	0.33	GI169	SQ020	–
	20A2R070A20-SAD11E-C	20	150	20	–	70	–	–	–	–	–	–	-11.5	5	2	–	27000	✓	0.32	GI169	SQ020	–
	20A3R029A18-SAD11E-C	20	200	18	–	29	–	–	–	–	–	–	-11.5	5	3	–	27000	✓	0.36	GI169	SQ025	–
	20A3R029A20-SAD11E-C	20	150	20	–	29	–	–	–	–	–	–	-11.5	5	3	–	27000	✓	0.31	GI169	SQ025	–
DIN 1835A	**22A3R029A20-SAD11E-C**	22	200	20	–	29	–	–	–	–	–	–	-11.5	5	3	–	25600	✓	0.45	GI169	SQ025	–
	25A3R034A25-SAD11E-C	25	170	25	–	34	–	–	–	–	–	–	-10.2	5	3	–	24100	✓	0.42	GI169	SQ020	–
	25A3R080A25-SAD11E-C	25	170	25	–	80	–	–	–	–	–	–	-10.2	5	3	–	24100	✓	0.52	GI169	SQ020	–
	25A4R034A25-SAD11E-C	25	170	25	–	34	–	–	–	–	–	–	-10.2	5	4	–	24100	✓	0.56	GI169	SQ025	–
	25A4R040A25-SAD11E-C	25	250	25	–	40	–	–	–	–	–	–	-10.2	5	4	–	24100	✓	0.85	GI169	SQ025	–
	30A3R080A32-SAD11E-C	30	200	32	–	80	–	–	–	–	–	–	-9.3	7	3	–	22000	✓	0.98	GI169	SQ020	–
	32A3R090A32-SAD11E-C	32	195	32	–	90	–	–	–	–	–	–	-9	5	3	–	21300	✓	0.99	GI169	SQ020	–
	32A5R034A32-SAD11E-C	32	195	32	–	34	–	–	–	–	–	–	-9	8	5	–	21300	✓	1.03	GI169	SQ025	–
	35A5R025A32-SAD11E-C	35	200	32	–	25	–	–	–	–	–	–	-9	8	5	–	20300	✓	1.11	GI169	SQ020	–
	16A2R027B16-SAD11E-C	16	75	16	–	–	27	–	–	–	–	–	-12.8	4	2	–	30100	✓	0.11	GI169	SQ025	–
	20A2R032B20-SAD11E-C	20	82	20	–	–	32	–	–	–	–	–	-11.5	5	2	–	27000	✓	0.13	GI169	SQ020	–
	20A3R032B20-SAD11E-C	20	82	20	–	–	32	–	–	–	–	–	-11.5	5	3	–	27000	✓	0.13	GI169	SQ025	–
DIN 1835B	**25A3R042B25-SAD11E-C**	25	98	25	–	–	42	–	–	–	–	–	-10.2	5	3	–	24100	✓	0.29	GI169	SQ020	–
	25A4R042B25-SAD11E-C	25	98	25	–	–	42	–	–	–	–	–	-10.2	5	4	–	24100	✓	0.31	GI169	SQ025	–
	32A4R042B32-SAD11E-C	32	102	32	–	–	42	–	–	–	–	–	-9	8	4	–	21300	✓	0.27	GI169	SQ020	–
	32A5R042B32-SAD11E-C	32	102	32	–	–	42	–	–	–	–	–	-9	8	5	–	21300	✓	0.32	GI169	SQ025	–
	16A2R030E02-SAD11E-C	16	94	–	–	25	–	30	–	2	–	–	-12.8	4	2	–	30100	✓	0.13	GI169	SQ025	–
DIN 228A	**20A3R035E03-SAD11E-C**	20	116	–	–	30	–	35	–	3	–	–	-11.5	5	3	–	27000	✓	0.27	GI169	SQ025	–
	25A4R043E03-SAD11E-C	25	124	–	–	38	–	43	–	3	–	–	-10.2	5	4	–	24100	✓	0.31	GI169	SQ025	–

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	CZC MS	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
MODULAR	**16A2R024M08-SAD11E-C**	16	38	8.5	–	–	–	24	M8	–	–	–	-12.8	4	2	–	–	✓	0.04	GI169	SQ025	–
	20A2R026M10-SAD11E-C	20	45	11	–	–	–	26	M10	–	–	–	-11.5	5	2	–	–	✓	0.06	GI169	SQ020	–
	20A3R026M10-SAD11E-C	20	45	10.5	–	–	–	26	M10	–	–	–	-11.5	5	3	–	–	✓	0.06	GI169	SQ025	–
	25A3R033M12-SAD11E-C	25	55	12.5	–	–	–	33	M12	–	–	–	-10.2	5	3	–	–	✓	0.10	GI169	SQ020	–
	25A4R033M12-SAD11E-C	25	55	12.5	–	–	–	33	M12	–	–	–	-10.2	5	4	–	–	✓	0.09	GI169	SQ025	–
	32A4R043M16-SAD11E-C	32	66	17	–	–	–	43	M16	–	–	–	-9	8	4	–	–	✓	0.20	GI169	SQ020	–
	32A5R043M16-SAD11E-C	32	66	17	–	–	–	43	M16	–	–	–	-9	8	5	–	–	✓	0.20	GI169	SQ025	–
	40A4R043M16-SAD11E-C	40	66	17	–	–	–	43	M16	–	–	–	-8.1	11	4	–	–	✓	0.27	GI169	SQ020	–
	40A6R043M16-SAD11E-C	40	66	17	–	–	–	43	M16	–	–	–	-8.1	11	6	–	–	✓	0.21	GI169	SQ020	–
	40A04R-S90AD11E-C	40	–	16	14	–	–	40	–	–	8.4	5.6	-8.1	11	4	✓	19100	✓	0.16	GI169	SQ022	–
	40A05R-S90AD11E-C	40	–	16	14	–	–	40	–	–	8.4	5.6	-8.1	11	5	✓	19000	✓	0.31	GI169	SQ022	–
	40A06R-S90AD11E-C	40	–	16	14	–	–	40	–	–	8.4	5.6	-8.1	11	6	✓	19100	✓	0.20	GI169	SQ022	–
	50A05R-S90AD11E-C	50	–	22	18	–	–	40	–	–	10.4	6.3	-7.2	12	5	✓	17000	✓	0.31	GI169	SQ023	–
ISO 6462 DIN 8030	**50A07R-S90AD11E-C**	50	–	22	18	–	–	40	–	–	10.4	6.3	-7.2	12	7	✓	17000	✓	0.44	GI169	SQ023	–
	63A06R-S90AD11E-C	63	–	22	18	–	–	40	–	–	10.4	6.3	-6.5	12	6	✓	15200	✓	0.54	GI169	SQ023	–
	63A09R-S90AD11E-C	63	–	22	18	–	–	40	–	–	10.4	6.3	-6.5	12	9	✓	15200	✓	0.61	GI169	SQ023	–
	80A10R-S90AD11E-C	80	–	27	38	–	–	50	–	–	12.4	7	-6	12	10	✓	13500	✓	1.04	GI169	SQ021	AC001
	100A11R-S90AD11E-C	100	–	32	45	–	–	50	–	–	14.4	8	-5.5	12	11	✓	12100	✓	1.89	GI169	SQ021	AC002
	125A12R-S90AD11E-C	125	–	40	56	–	–	63	–	–	16.4	9	-5.2	12	12	✓	10800	✓	2.97	GI169	SQ021	AC003

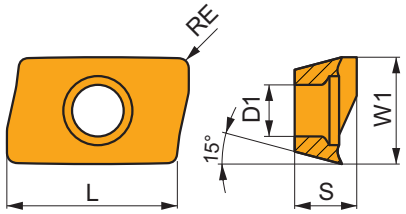
GI169	ADMX 11T3..	ADEX 11T3..

		Nm						
SQ020	US 62506-T07P	1.2	M 2.5	6	–	–	Flag T07P	–
SQ021	US 62506-T07P	1.2	M 2.5	6	D-T07P/T09P	FG-15	–	–
SQ022	US 62506-T07P	1.2	M 2.5	6	D-T07P/T09P	FG-15	–	HS 0830C
SQ023	US 62506-T07P	1.2	M 2.5	6	D-T07P/T09P	FG-15	–	HS 1030C
SQ025	US 62505-T07P	1.2	M 2.5	5	–	–	Flag T07P	–

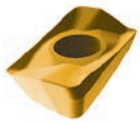
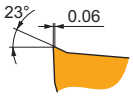
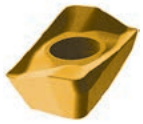
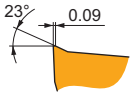
AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

ADMX 11

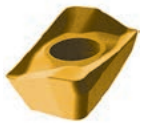
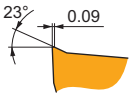
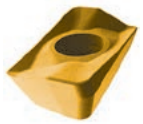
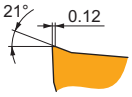
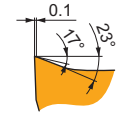
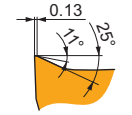
	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
11T3	6.530	2.90	11.00	3.97



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.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			**F** geometria con design altamente affilato per lavorazioni leggere.																	
ADMX 11T304SR-F:8215	●	0.4	245	0.10	2.0	145	0.09	2.0	230	0.10	2.0	735	0.12	2.0	60	0.08	1.6	–	–	–
ADMX 11T304SR-F:M8330	●	0.4	240	0.10	2.0	140	0.09	2.0	225	0.10	2.0	720	0.12	2.0	60	0.08	1.6	–	–	–
ADMX 11T304SR-F:M8340	●	0.4	220	0.10	2.0	130	0.09	2.0	205	0.10	2.0	–	–	–	55	0.08	1.6	–	–	–
ADMX 11T304SR-F:M9340	●	0.4	285	0.10	2.0	170	0.09	2.0	–	–	–	–	–	–	70	0.08	1.6	–	–	–
ADMX 11T308SR-F:8215	⬢	0.8	290	0.10	2.0	170	0.09	2.0	275	0.10	2.0	870	0.12	2.0	70	0.08	1.6	–	–	–
ADMX 11T308SR-F:M8330	⬢	0.8	285	0.10	2.0	170	0.09	2.0	270	0.10	2.0	855	0.12	2.0	70	0.08	1.6	–	–	–
ADMX 11T308SR-F:M8340	⬢	0.8	260	0.10	2.0	155	0.09	2.0	245	0.10	2.0	–	–	–	65	0.08	1.6	–	–	–
ADMX 11T308SR-F:M9340	⬢	0.8	340	0.10	2.0	200	0.09	2.0	–	–	–	–	–	–	85	0.08	1.6	–	–	–
			**M** geometria con design positivo per lavorazioni da leggere a medie.																	
ADMX 11T302SR-M:M8330	●	0.2	190	0.15	4.0	110	0.14	4.0	180	0.15	4.0	–	–	–	45	0.12	3.2	–	–	–
ADMX 11T302SR-M:M8340	⬢	0.2	170	0.15	4.0	100	0.14	4.0	160	0.15	4.0	–	–	–	40	0.12	3.2	–	–	–
ADMX 11T304SR-M:8215	●	0.4	205	0.15	4.0	120	0.14	4.0	190	0.15	4.0	–	–	–	50	0.12	3.2	–	–	–
ADMX 11T304SR-M:M8310	●	0.4	220	0.15	4.0	110	0.14	4.0	205	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T304SR-M:M8330	⬢	0.4	205	0.15	4.0	120	0.14	4.0	190	0.15	4.0	–	–	–	50	0.12	3.2	–	–	–
ADMX 11T304SR-M:M8340	⬢	0.4	185	0.15	4.0	110	0.14	4.0	175	0.15	4.0	–	–	–	45	0.12	3.2	–	–	–
ADMX 11T304SR-M:M9325	●	0.4	255	0.15	4.0	–	–	–	240	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T304SR-M:M9340	●	0.4	235	0.15	4.0	140	0.14	4.0	–	–	–	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T308SR-M:8215	⬢	0.8	245	0.15	4.0	145	0.14	4.0	230	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T308SR-M:M5315	⬢	0.8	335	0.15	4.0	–	–	–	315	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T308SR-M:M8310	⬢	0.8	265	0.15	4.0	135	0.14	4.0	250	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T308SR-M:M8330	⬢	0.8	245	0.15	4.0	145	0.14	4.0	230	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T308SR-M:M8340	⬢	0.8	220	0.15	4.0	130	0.14	4.0	205	0.15	4.0	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T308SR-M:M9315	⬢	0.8	330	0.15	4.0	–	–	–	310	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T308SR-M:M9325	⬢	0.8	305	0.15	4.0	–	–	–	285	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T308SR-M:M9340	⬢	0.8	275	0.15	4.0	165	0.14	4.0	–	–	–	–	–	–	65	0.12	3.2	–	–	–
ADMX 11T310SR-M:M8330	⬢	1.0	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T310SR-M:M8340	✱	1.0	230	0.15	4.0	135	0.14	4.0	215	0.15	4.0	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T312SR-M:8215	⬢	1.2	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T312SR-M:M8330	✱	1.2	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T312SR-M:M8340	✱	1.2	230	0.15	4.0	135	0.14	4.0	215	0.15	4.0	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T316SR-M:8215	⬢	1.6	270	0.15	4.0	160	0.14	4.0	255	0.15	4.0	–	–	–	65	0.12	3.2	–	–	–
ADMX 11T316SR-M:M6330	✱	1.6	230	0.15	4.0	165	0.14	4.0	–	–	–	–	–	–	65	0.12	3.2	–	–	–
ADMX 11T316SR-M:M8310	⬢	1.6	295	0.15	4.0	150	0.14	4.0	280	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T316SR-M:M8330	✱	1.6	270	0.15	4.0	160	0.14	4.0	255	0.15	4.0	–	–	–	65	0.12	3.2	–	–	–
ADMX 11T316SR-M:M8340	✱	1.6	240	0.15	4.0	140	0.14	4.0	225	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T320SR-M:M6330	✱	2.0	240	0.15	4.0	170	0.14	4.0	–	–	–	–	–	–	70	0.12	3.2	–	–	–
ADMX 11T320SR-M:M8330	✱	2.0	280	0.15	4.0	165	0.14	4.0	265	0.15	4.0	–	–	–	70	0.12	3.2	–	–	–
ADMX 11T320SR-M:M8340	✱	2.0	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–

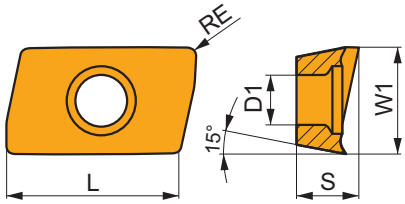
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
M geometria con design positivo per lavorazioni da leggere a medie.																				
ADMX 11T325SR-M:M6330	✱	2.5	■	240	0.15	4.0	■	170	0.14	4.0		–	–	–		–	–	–	◪	70	0.12	3.2		–	–	–
ADMX 11T325SR-M:M8340	✱	2.5	■	255	0.15	4.0	■	150	0.14	4.0	◪	240	0.15	4.0		–	–	–	◪	60	0.12	3.2		–	–	–
ADMX 11T330SR-M:M6330	✱	3.0	■	240	0.15	4.0	■	170	0.14	4.0		–	–	–		–	–	–	◪	70	0.12	3.2		–	–	–
ADMX 11T330SR-M:M8330	✱	3.0	■	280	0.15	4.0	■	165	0.14	4.0	■	265	0.15	4.0		–	–	–	◪	70	0.12	3.2		–	–	–
ADMX 11T330SR-M:M8340	✱	3.0	■	255	0.15	4.0	■	150	0.14	4.0	◪	240	0.15	4.0		–	–	–	◪	60	0.12	3.2		–	–	–
																				
R geometria con design positivo per lavorazioni con condizioni leggermente instabili.																				
ADMX 11T308PR-R:8215	✱	0.8	■	230	0.18	4.0	◪	135	0.16	4.0	■	215	0.18	4.0		–	–	–	◪	55	0.16	3.2	◪	45	0.12	0.7
ADMX 11T308PR-R:M5315	✱	0.8	◪	310	0.18	4.0		–	–	–	■	290	0.18	4.0		–	–	–		–	–	–	◪	60	0.13	0.7
ADMX 11T308PR-R:M8310	✱	0.8	■	250	0.18	4.0	◪	125	0.16	4.0	■	235	0.18	4.0		–	–	–		–	–	–	◪	50	0.12	0.7
ADMX 11T308PR-R:M8330	✱	0.8	■	230	0.18	4.0	◪	135	0.16	4.0	■	215	0.18	4.0		–	–	–	◪	55	0.16	3.2	◪	45	0.12	0.7
ADMX 11T308PR-R:M8340	✱	0.8	■	210	0.18	4.0	◪	125	0.16	4.0	◪	195	0.18	4.0		–	–	–	◪	50	0.16	3.2		–	–	–
ADMX 11T308PR-R:M9315	✱	0.8	■	310	0.18	4.0		–	–	–	■	290	0.18	4.0		–	–	–		–	–	–	◪	60	0.13	0.7
ADMX 11T308PR-R:M9325	✱	0.8	■	290	0.18	4.0		–	–	–	■	275	0.18	4.0		–	–	–		–	–	–	◪	55	0.13	0.7
ADMX 11T316PR-R:8215	✱	1.6	■	255	0.18	4.0	◪	150	0.16	4.0	■	240	0.18	4.0		–	–	–	◪	60	0.16	3.2	◪	50	0.12	0.7
ADMX 11T316PR-R:M8330	✱	1.6	■	255	0.18	4.0	◪	150	0.16	4.0	■	240	0.18	4.0		–	–	–	◪	60	0.16	3.2	◪	50	0.12	0.7
ADMX 11T316PR-R:M9325	✱	1.6	■	320	0.18	4.0		–	–	–	■	300	0.18	4.0		–	–	–		–	–	–	◪	60	0.12	0.7
																				
MF geometria con design altamente positivo per lavorazioni da leggere a finitura.																				
ADMX 11T304SR-MF:M6330	●	0.4	■	215	0.08	2.5	■	150	0.07	2.5		–	–	–		–	–	–	■	60	0.06	2.0		–	–	–
ADMX 11T304SR-MF:M8340	●	0.4	■	220	0.08	2.5	■	130	0.07	2.5		–	–	–		–	–	–	■	55	0.06	2.0		–	–	–
ADMX 11T308SR-MF:M6330	✱	0.8	■	255	0.08	2.5	■	180	0.07	2.5		–	–	–		–	–	–	■	75	0.06	2.0		–	–	–
ADMX 11T308SR-MF:M8340	✱	0.8	■	265	0.08	2.5	■	155	0.07	2.5		–	–	–		–	–	–	■	65	0.06	2.0		–	–	–
																				
MM geometria con design altamente positivo per lavorazioni da leggere a medie.																				
ADMX 11T304SR-MM:M6330	✱	0.4	■	185	0.14	2.5	■	130	0.13	2.5		–	–	–		–	–	–	■	55	0.11	2.0		–	–	–
ADMX 11T304SR-MM:M8340	✱	0.4	■	195	0.14	2.5	■	115	0.13	2.5		–	–	–		–	–	–	■	45	0.11	2.0		–	–	–
ADMX 11T308SR-MM:M6330	✱	0.8	■	225	0.14	2.5	■	155	0.13	2.5		–	–	–		–	–	–	■	65	0.11	2.0		–	–	–
ADMX 11T308SR-MM:M8340	✱	0.8	■	235	0.14	2.5	■	140	0.13	2.5		–	–	–		–	–	–	■	55	0.11	2.0		–	–	–
ADMX 11T308SR-MM:M8345	✱	0.8	■	190	0.14	2.5	■	110	0.13	2.5		–	–	–		–	–	–	■	45	0.11	2.0		–	–	–
ADMX 11T308SR-MM:M9340	✱	0.8	■	300	0.14	2.5	■	180	0.13	2.5		–	–	–		–	–	–	■	75	0.11	2.0		–	–	–
ADMX 11T312SR-MM:M6330	✱	1.2	■	235	0.14	2.5	■	165	0.13	2.5		–	–	–		–	–	–	■	70	0.11	2.0		–	–	–
ADMX 11T312SR-MM:M8340	✱	1.2	■	245	0.14	2.5	■	145	0.13	2.5		–	–	–		–	–	–	■	60	0.11	2.0		–	–	–

ADEX 11-FA

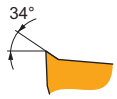
PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
11T3	6.450	2.90	9.70	3.91



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.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
ADEX 11T304FR-FA:HF7	●	0.4	–	–	–	–	–	–	–	–	–	210	0.30	5.0	–	–	–	–	–	–
ADEX 11T304FR-FA:M0315	●	0.4	–	–	–	–	–	–	–	–	–	480	0.30	5.0	–	–	–	–	–	–
ADEX 11T308FR-FA:HF7	●	0.8	–	–	–	–	–	–	–	–	–	240	0.30	5.0	–	–	–	–	–	–
ADEX 11T308FR-FA:M0315	●	0.8	–	–	–	–	–	–	–	–	–	570	0.30	5.0	–	–	–	–	–	–
ADEX 11T312FR-FA:HF7	●	1.2	–	–	–	–	–	–	–	–	–	255	0.30	5.0	–	–	–	–	–	–
ADEX 11T316FR-FA:HF7	●	1.6	–	–	–	–	–	–	–	–	–	270	0.18	5.0	–	–	–	–	–	–

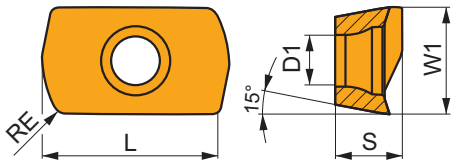


FA geometria con design altamente positivo per lavorazioni da leggere a medie.

ADEX 11-HF

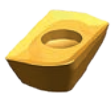
PRAMET

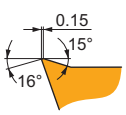
	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
11T3	6.450	2.90	10.67	3.82



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.

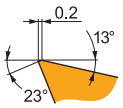
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
ADEX 11T308SR-HF:8215	●	0.8	215	0.68	0.4	125	0.61	0.4	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 11T308SR-HF:M6330	●	0.8	185	0.68	0.4	130	0.61	0.4	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 11T308SR-HF:M8310	●	0.8	220	0.68	0.4	110	0.52	0.4	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 11T308SR-HF:M8330	●	0.8	215	0.68	0.4	125	0.61	0.4	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 11T308SR-HF:M8340	●	0.8	200	0.68	0.4	120	0.61	0.4	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 11T308SR-HF:M9340	●	0.8	220	0.68	0.4	130	0.61	0.4	–	–	–	–	–	–	–	–	–	–	–	–





HF geometria con design altamente positivo per lavorazioni ad alto avanzamento.

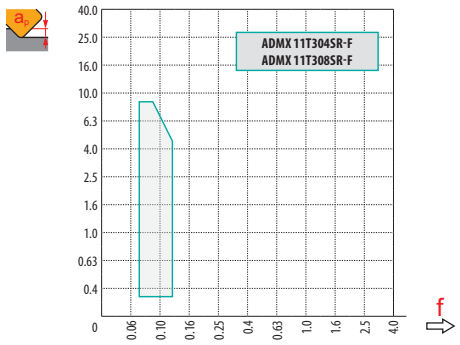
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

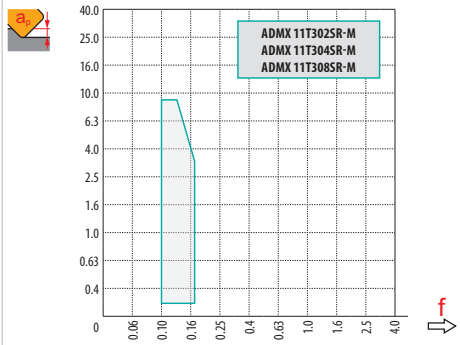
Codice prodotto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
HF2 geometria con design positivo per lavorazioni ad alto avanzamento.																				
ADEX 11T308SR-HF2:M8310		0.8	220	0.68	0.4	110	0.61	0.4	205	0.68	0.4	–	–	–	–	–	–	40	0.48	0.3
ADEX 11T308SR-HF2:M8330		0.8	215	0.68	0.4	125	0.61	0.4	200	0.68	0.4	–	–	–	50	0.48	0.3	40	0.48	0.3
ADEX 11T308SR-HF2:M8340		0.8	200	0.68	0.4	120	0.61	0.4	190	0.68	0.4	–	–	–	50	0.48	0.3	–	–	–
ADEX 11T308SR-HF2:M9325		0.8	250	0.68	0.4	–	–	–	235	0.68	0.4	–	–	–	–	–	–	50	0.48	0.3

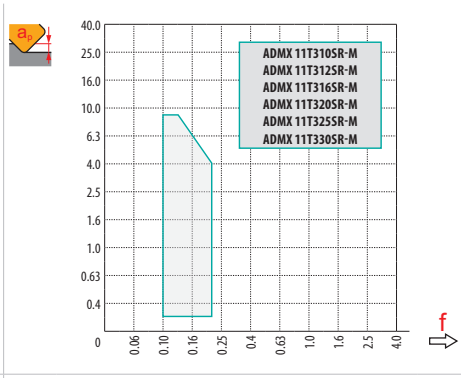
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

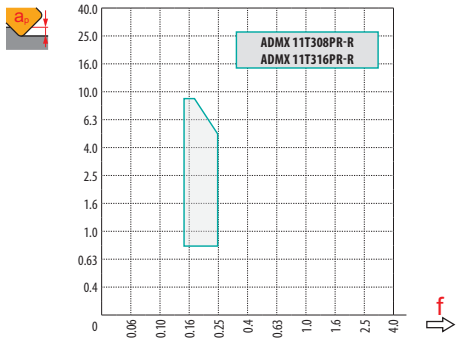
	ADMX 11-F		ADMX 11-M									ADMX 11-R		ADMX 11-MF	
RE	0.4	0.8	0.2	0.4	0.8	1.0	1.2	1.6	2.0	2.5	3.0	0.8	1.6	0.4	0.8
BS	1.89	1.48	2.09	1.89	1.48	1.27	1.08	0.68	1.61	1.13	0.66	1.48	0.68	1.89	1.48

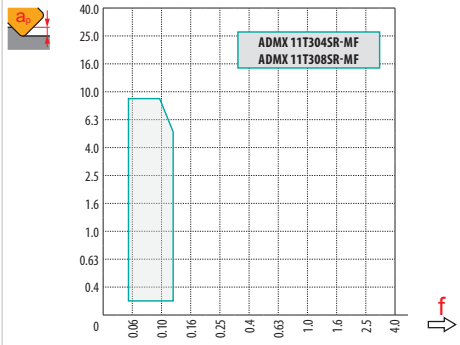
	ADMX 11-MM			ADEX 11-HF	ADEX 11-HF2	ADEX 11-FA			
RE	0.4	0.8	1.2	0.8	0.8	0.4	0.8	1.2	1.6
BS	1.89	1.48	1.08	0.17	0.17	1.77	1.39	1.0	0.62

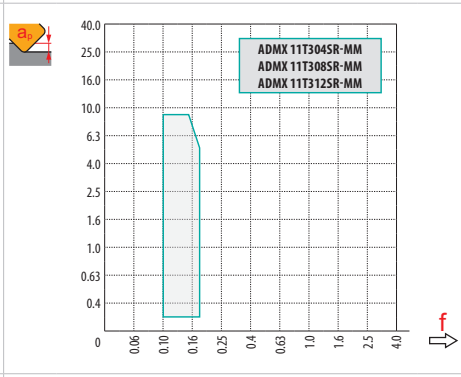


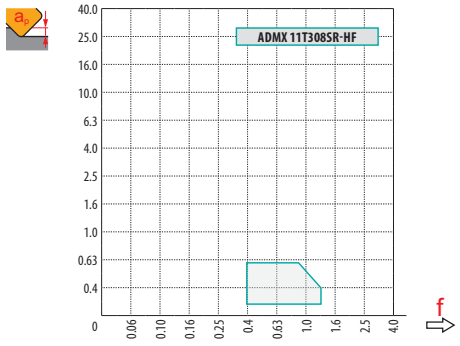


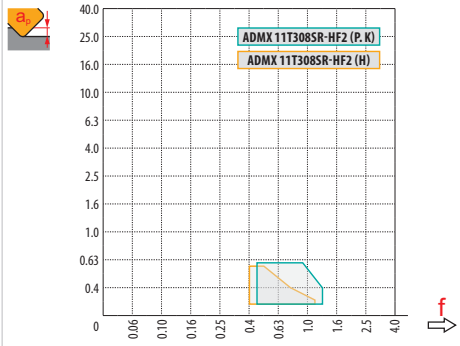


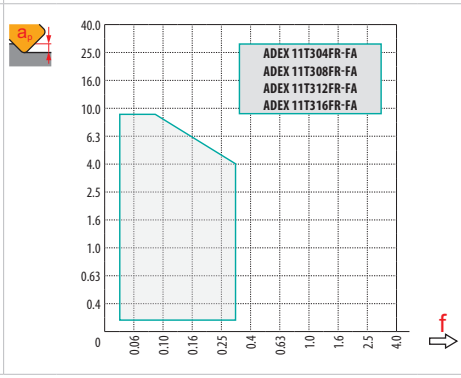












max 4.5

a_p	1.0	5.0	9.0
f	0.20	0.13	0.10

DC	RPMX	APMX/I
16	13.5°	9.0/40
18	10.0°	9.0/53
20	9.0°	9.0/59
25	6.0°	9.0/87
32	5.3°	9.0/99
40	3.8°	6.5/100
50	2.8°	4.7/100
63	1.8°	3.0/100
80	1.6°	2.6/100

HFC

DC	RPMX *	RPMX **	APMX/I
16	4.1°	5.7°	0.6/8
18	2.8°	4.5°	0.6/12
20	2.3°	4.3°	0.6/15
25	1.3°	6.7°	0.6/26
32	0.7°	4.3°	0.6/49
40	0.3°	2.9°	0.6/100
50	0.1°	2.1°	0.6/100
63	–	–	–
80	–	–	–

* Fresatura HFC

** Fresatura standard

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
16	27.0	32.0	8.3	9.0
18	32.0	36.0	7.5	9.0
20	35.0	40.0	7.5	9.0
25	45.0	50.0	6.5	7.5
32	59.0	64.0	4.0	4.5
40	75.0	80.0	1.5	2.0
50	–	–	–	–

HFC

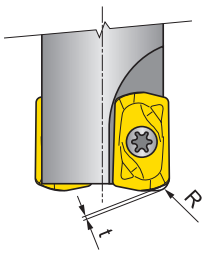
DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
16	21.0	32.0	0.6	0.6
18	29.0	36.0	0.6	0.6
20	29.0	40.0	0.6	0.6
25	39.0	50.0	0.6	0.6
32	53.0	64.0	0.6	0.6
40	68.5	80.0	0.6	0.6
50	88.5	100.0	0.6	0.6

a_p
1.7

DC	µm	3	5	10	15	20	30	40	50	60	80	100
16	FE	0.438	0.566	0.800	0.980	1.131	1.386	1.600	1.789	1.960	2.263	2.530
18		0.465	0.600	0.849	1.039	1.200	1.470	1.697	1.897	2.078	2.400	2.683
20		0.490	0.632	0.894	1.095	1.265	1.549	1.789	2.000	2.191	2.530	2.828
25		0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657

RE	µm	3	5	10	15	20	30	40	50	60	80	100
1.0	FE	0.155	0.200	0.283	0.346	0.400	0.490	0.566	0.632	0.693	0.800	0.894
1.2		0.170	0.219	0.310	0.379	0.438	0.537	0.620	0.693	0.759	0.876	0.980
1.6		0.196	0.253	0.358	0.438	0.506	0.620	0.716	0.800	0.876	1.012	1.131
2.0		0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265
2.5		0.245	0.316	0.447	0.548	0.632	0.775	0.894	1.000	1.095	1.265	1.414
3.0		0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549

ADMX/ADEX 11	R
ADMX 11T320SR-M	1.0
ADMX 11T325SR-M	1.8
ADMX 11T330SR-M	1.8
ADEX 11T308SR-HF	1.4
ADEX 11T308SR-HF2	1.4



ADEX 11	R	t
ADEX 11T308SR-HF	1.42	0.35
ADEX 11T308SR-HF2	1.34	0.38

SAD16E

P M K N S H

PRAMET

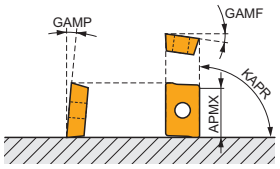
S

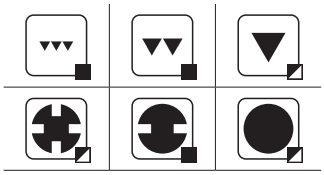
FORCE AD16 Fresa a spallamento retto con refrigerante interno

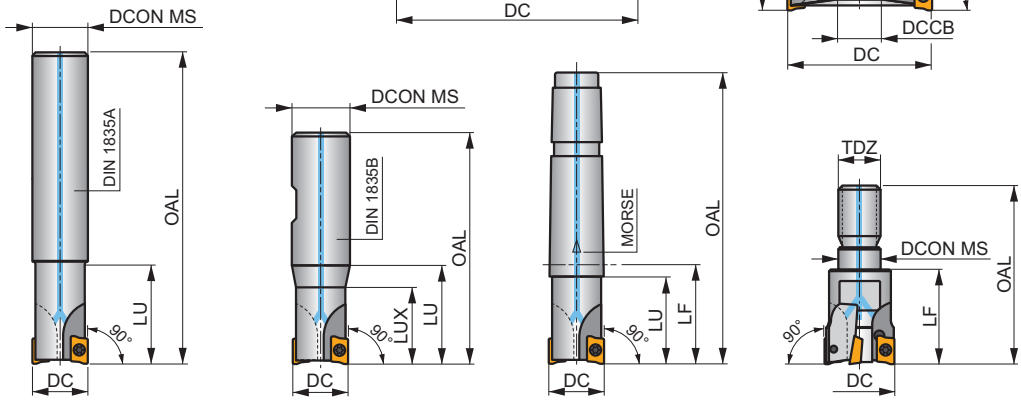
Fresa a candela ed a manicotto a 90° che utilizza inserti positivi AD.. 16 con APMX di 13 mm. Adatta per spianatura, spallamento, cave, fresatura elicoidale, trocoidale, in rampa ed a tuffo. Disponibile con codolo cilindrico, Weldon, cono morse, modulare filettato ed a manicotto (con passo differenziato) . Corpo trattato per una maggiore durata dell'utensile.

FORCE AD

KAPR	90°
APMX	13.0 mm







h_m	0.06 - 0.18
h_m	0.08 - 0.22

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LU (mm)	LUX (mm)	LF (mm)	TDZ	CZC MS	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
	25A2R033A25-SAD16E-C	25	165	25	–	–	33	–	–	–	–	–	–	-13	5	2	–	18700	✓	0.52	GI165 SQ030	–
DIN 1835A	25A2R038A25-SAD16E-C	25	200	25	–	–	38	–	–	–	–	–	–	-13	5	2	–	18700	✓	0.66	GI165 SQ030	–
	32A3R033A32-SAD16E-C	32	195	32	–	–	33	–	–	–	–	–	–	-12	7	3	–	16500	✓	1.03	GI165 SQ030	–
	32A3R048A32-SAD16E-C	32	250	32	–	–	48	–	–	–	–	–	–	-12	7	3	–	16500	✓	1.35	GI165 SQ030	–
	25A2R042B25-SAD16E-C	25	98	25	–	–	–	42	–	–	–	–	–	-13	5	2	–	18700	✓	0.29	GI165 SQ030	–
DIN 1835B	32A3R040B32-SAD16E-C	32	100	32	–	–	–	40	–	–	–	–	–	-12	7	3	–	16500	✓	0.51	GI165 SQ030	–
	40A3R050B32-SAD16E-C	40	110	32	–	–	–	50	–	–	–	–	–	-8.2	10.5	3	–	14800	✓	0.51	GI165 SQ030	–
	40A4R050B32-SAD16E-C	40	110	32	–	–	–	50	–	–	–	–	–	-8.2	10.5	4	–	14800	✓	0.64	GI165 SQ030	–
	25A2R043E03-SAD16E-C	25	98	–	–	–	38	–	43	–	3	–	–	-13	5	2	–	18600	✓	0.31	GI165 SQ030	–
DIN 228A	32A3R043E03-SAD16E-C	32	100	–	–	–	38	–	43	–	3	–	–	-12	7	3	–	16500	✓	0.33	GI165 SQ030	–
	40A3R054E04-SAD16E-C	40	110	–	–	–	48	–	54	–	4	–	–	-8.2	10.5	3	–	14700	✓	0.74	GI165 SQ030	–
	40A4R054E04-SAD16E-C	40	110	–	–	–	48	–	54	–	4	–	–	-8.2	10.5	4	–	14700	✓	0.70	GI165 SQ030	–
MODULAR	32A3R043M16-SAD16E-C	32	66	17	–	–	–	–	43	M16	–	–	–	-12	7	3	–	–	✓	0.20	GI165 SQ030	–
	40A4R043M16-SAD16E-C	40	66	17	–	–	–	–	43	M16	–	–	–	-8.2	10.5	4	–	–	✓	0.26	GI165 SQ030	–
	40A04R-S90AD16E-C	40	–	16	14	–	–	–	40	–	–	8.4	5.6	-8.2	10.5	4	–	14700	✓	0.21	GI165 SQ032	–
	50A03R-S90AD16E-C	50	–	22	18	–	–	–	40	–	–	10.4	6.3	-7	11	3	–	13200	✓	0.43	GI165 SQ033	–
	50A05R-S90AD16E-C	50	–	22	18	–	–	–	40	–	–	10.4	6.3	-7	11	5	✓	13200	✓	0.40	GI165 SQ033	–
	63A04R-S90AD16E-C	63	–	22	18	–	–	–	40	–	–	10.4	6.3	-6	12	4	✓	11800	✓	0.60	GI165 SQ033	–
	63A06R-S90AD16E-C	63	–	22	18	–	–	–	40	–	–	10.4	6.3	-6	12	6	✓	11800	✓	0.59	GI165 SQ033	–
	80A05R-S90AD16E-C	80	–	27	38	–	–	–	50	–	–	12.4	7	-5	12	5	✓	10400	✓	1.09	GI165 SQ031	AC001
ISO 6462 DIN 8030	80A07R-S90AD16E-C	80	–	27	38	–	–	–	50	–	–	12.4	7	-5	13	7	✓	10400	✓	0.97	GI165 SQ031	AC001
	100A06R-S90AD16E-C	100	–	32	45	–	–	–	50	–	–	14.4	8	-4	12	6	✓	9300	✓	1.85	GI165 SQ031	AC002
	100A08R-S90AD16E-C	100	–	32	45	–	–	–	50	–	–	14.4	8	-4	12	8	✓	9300	✓	1.89	GI165 SQ031	AC002
	125A09R-S90AD16E-C	125	–	40	56	–	–	–	63	–	–	16.4	9	-3.8	12	9	✓	8400	✓	3.65	GI165 SQ031	AC003
	140A08R-S90AD16E-C	140	–	40	56	–	–	–	63	–	–	16.4	9	-3.8	12	8	✓	7900	✓	4.06	GI165 SQ031	–
	160C10R-S90AD16E-C	160	–	40	–	66.7	–	–	63	–	–	16.4	9.2	-3.8	10	10	✓	7300	✓	6.04	GI165 SQ036	–
	175C10R-S90AD16E-C	175	–	40	–	66.7	–	–	63	–	–	16.4	9.2	-3.8	12	10	✓	7000	✓	6.86	GI165 SQ036	–

GI165	ADMX 1606..	ADEX 1606..

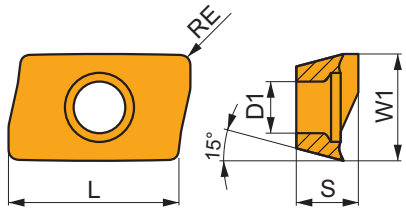
SQ030	US 4008-T15P	3.5	M 4	8	–	–	Flag T15P	–	–	–	–
SQ031	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–	–	–	–	–
SQ032	US 4008-T15P	3.5	M 4	8	D-T08P/T15P	FG-15	–	HS 0830C	–	–	–
SQ033	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–	HS 1030C	–	–	–
SQ036	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–	HS 1240C	CAC 160C	HSD 0825C	HXK 5

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

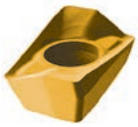
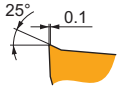
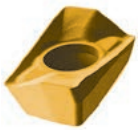
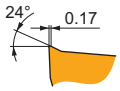
ADMX 16

PRAMET

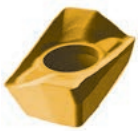
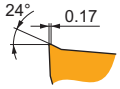
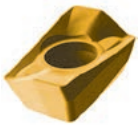
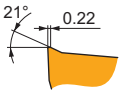
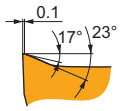
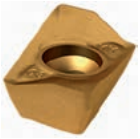
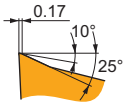
	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1606	9.950	4.50	16.00	6.25



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.

Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
   **F** geometria con design altamente positivo per lavorazioni da leggere a medie.																			
ADMX 160608SR-F:8215	0.8	290	0.10	2.0	170	0.09	2.0	275	0.10	2.0	870	0.12	2.0	70	0.07	1.6	–	–	–
ADMX 160608SR-F:M8310	0.8	320	0.10	2.0	160	0.09	2.0	300	0.10	2.0	–	–	–	–	–	–	–	–	–
ADMX 160608SR-F:M8330	0.8	285	0.10	2.0	170	0.09	2.0	270	0.10	2.0	855	0.12	2.0	70	0.07	1.6	–	–	–
ADMX 160608SR-F:M8340	0.8	260	0.10	2.0	155	0.09	2.0	245	0.10	2.0	–	–	–	65	0.07	1.6	–	–	–
ADMX 160608SR-F:M9340	0.8	340	0.10	2.0	200	0.09	2.0	–	–	–	–	–	–	85	0.07	1.6	–	–	–
   **M** geometria con design positivo per lavorazioni da leggere a medie.																			
ADMX 160604SR-M:8215	0.4	190	0.18	5.0	110	0.16	5.0	180	0.18	5.0	–	–	–	45	0.13	4.0	–	–	–
ADMX 160604SR-M:M8330	0.4	190	0.18	5.0	110	0.16	5.0	180	0.18	5.0	–	–	–	45	0.13	4.0	–	–	–
ADMX 160604SR-M:M8340	0.4	170	0.18	5.0	100	0.16	5.0	160	0.18	5.0	–	–	–	40	0.13	4.0	–	–	–
ADMX 160608SR-M:8215	0.8	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	–	–	–	55	0.13	4.0	–	–	–
ADMX 160608SR-M:M5315	0.8	305	0.18	5.0	–	–	–	285	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160608SR-M:M8310	0.8	250	0.18	5.0	125	0.16	5.0	235	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160608SR-M:M8330	0.8	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	–	–	–	55	0.13	4.0	–	–	–
ADMX 160608SR-M:M8340	0.8	205	0.18	5.0	120	0.16	5.0	190	0.18	5.0	–	–	–	50	0.13	4.0	–	–	–
ADMX 160608SR-M:M9315	0.8	305	0.18	5.0	–	–	–	285	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160608SR-M:M9325	0.8	280	0.18	5.0	–	–	–	265	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160608SR-M:M9340	0.8	255	0.18	5.0	150	0.16	5.0	–	–	–	–	–	–	60	0.13	4.0	–	–	–

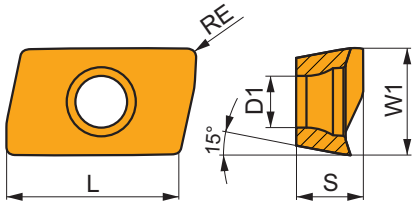
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
 																			
M geometria con design positivo per lavorazioni da leggere a medie.																			
ADMX 160616SR-M:8215	1.6	250	0.18	5.0	150	0.16	5.0	235	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
ADMX 160616SR-M:M8310	1.6	275	0.18	5.0	140	0.16	5.0	260	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160616SR-M:M8330	1.6	250	0.18	5.0	150	0.16	5.0	235	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
ADMX 160616SR-M:M8340	1.6	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	–	–	–	55	0.13	4.0	–	–	–
ADMX 160616SR-M:M9325	1.6	310	0.18	5.0	–	–	–	290	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160620SR-M:M8330	2.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	–	–	–	65	0.13	4.0	–	–	–
ADMX 160620SR-M:M8340	2.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
ADMX 160630SR-M:M8330	3.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	–	–	–	65	0.13	4.0	–	–	–
ADMX 160630SR-M:M8340	3.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
ADMX 160632SR-M:M6330	3.2	225	0.18	5.0	155	0.16	5.0	–	–	–	–	–	–	65	0.13	4.0	–	–	–
ADMX 160632SR-M:M8330	3.2	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	–	–	–	65	0.13	4.0	–	–	–
ADMX 160632SR-M:M8340	3.2	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
ADMX 160632SR-M:M9325	3.2	325	0.18	5.0	–	–	–	305	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160640SR-M:M8330	4.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	–	–	–	65	0.13	4.0	–	–	–
ADMX 160640SR-M:M8340	4.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
ADMX 160650SR-M:M8330	5.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	–	–	–	65	0.13	4.0	–	–	–
ADMX 160650SR-M:M8340	5.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
 																			
R geometria con design positivo per lavorazioni da medie a leggermente instabili.																			
ADMX 160608PR-R:8215	0.8	205	0.25	6.0	120	0.23	6.0	190	0.25	6.0	–	–	–	50	0.20	4.8	40	0.16	1.1
ADMX 160608PR-R:M5315	0.8	260	0.25	6.0	–	–	–	245	0.25	6.0	–	–	–	–	–	–	50	0.16	1.1
ADMX 160608PR-R:M8310	0.8	220	0.25	6.0	110	0.23	6.0	205	0.25	6.0	–	–	–	–	–	–	40	0.16	1.1
ADMX 160608PR-R:M8330	0.8	205	0.25	6.0	120	0.23	6.0	190	0.25	6.0	–	–	–	50	0.20	4.8	40	0.16	1.1
ADMX 160608PR-R:M8340	0.8	190	0.25	6.0	110	0.23	6.0	180	0.25	6.0	–	–	–	45	0.20	4.8	–	–	–
ADMX 160608PR-R:M9315	0.8	265	0.25	6.0	–	–	–	250	0.25	6.0	–	–	–	–	–	–	50	0.16	1.1
ADMX 160608PR-R:M9325	0.8	250	0.25	6.0	–	–	–	235	0.25	6.0	–	–	–	–	–	–	50	0.16	1.1
ADMX 160616PR-R:M8330	1.6	225	0.25	6.0	135	0.23	6.0	210	0.25	6.0	–	–	–	55	0.20	4.8	45	0.16	1.1
ADMX 160616PR-R:M8340	1.6	210	0.25	6.0	125	0.23	6.0	195	0.25	6.0	–	–	–	50	0.20	4.8	–	–	–
ADMX 160616PR-R:M9315	1.6	295	0.25	6.0	–	–	–	280	0.25	6.0	–	–	–	–	–	–	55	0.16	1.1
 																			
MF geometria con design altamente positivo per lavorazioni di finitura.																			
ADMX 160608SR-MF:M6330	0.8	215	0.08	4.0	150	0.07	4.0	–	–	–	–	–	–	60	0.06	3.2	–	–	–
ADMX 160608SR-MF:M8340	0.8	225	0.08	4.0	135	0.07	4.0	–	–	–	–	–	–	55	0.06	3.2	–	–	–
ADMX 160608SR-MF:M9340	0.8	305	0.08	4.0	180	0.07	4.0	–	–	–	–	–	–	75	0.06	3.2	–	–	–
 																			
MM geometria con design altamente positivo per lavorazioni da leggere a medie.																			
ADMX 160604SR-MM:M6330	0.4	145	0.18	4.0	105	0.16	4.0	–	–	–	–	–	–	40	0.14	3.2	–	–	–
ADMX 160604SR-MM:M8340	0.4	160	0.18	4.0	95	0.16	4.0	–	–	–	–	–	–	40	0.14	3.2	–	–	–
ADMX 160608SR-MM:M6330	0.8	175	0.18	4.0	125	0.16	4.0	–	–	–	–	–	–	50	0.14	3.2	–	–	–
ADMX 160608SR-MM:M8340	0.8	190	0.18	4.0	110	0.16	4.0	–	–	–	–	–	–	45	0.14	3.2	–	–	–
ADMX 160608SR-MM:M8345	0.8	150	0.18	4.0	90	0.16	4.0	–	–	–	–	–	–	35	0.14	3.2	–	–	–
ADMX 160608SR-MM:M9340	0.8	235	0.18	4.0	140	0.16	4.0	–	–	–	–	–	–	55	0.14	3.2	–	–	–
ADMX 160616SR-MM:M6330	1.6	195	0.18	4.0	140	0.16	4.0	–	–	–	–	–	–	55	0.14	3.2	–	–	–
ADMX 160616SR-MM:M8340	1.6	210	0.18	4.0	125	0.16	4.0	–	–	–	–	–	–	50	0.14	3.2	–	–	–
ADMX 160616SR-MM:M8345	1.6	165	0.18	4.0	95	0.16	4.0	–	–	–	–	–	–	40	0.14	3.2	–	–	–
ADMX 160616SR-MM:M9340	1.6	260	0.18	4.0	155	0.16	4.0	–	–	–	–	–	–	65	0.14	3.2	–	–	–

ADEX 16

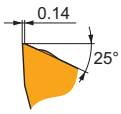
PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.950	4.50	16.00	6.25



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.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
ADEX 160608SR-FM:8215	●	0.8	260	0.16	2.0	155	0.14	2.0	245	0.16	2.0	–	–	–	65	0.11	1.6	–	–	–
ADEX 160608SR-FM:M8330	●	0.8	255	0.16	2.0	150	0.14	2.0	240	0.16	2.0	–	–	–	60	0.11	1.6	–	–	–
ADEX 160608SR-FM:M8340	●	0.8	235	0.16	2.0	140	0.14	2.0	220	0.16	2.0	–	–	–	55	0.11	1.6	–	–	–

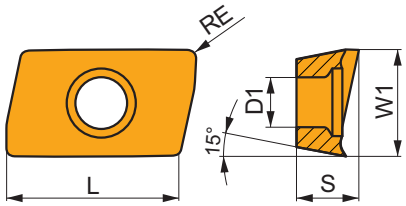


FM geometria con design altamente positivo per lavorazioni medie.

ADEX 16-FA

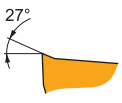
PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.950	4.50	16.00	6.17



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.

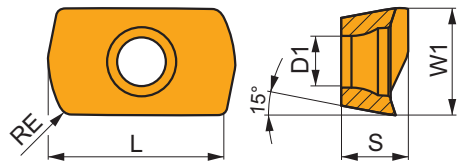
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
ADEX 160604FR-FA:HF7	●	0.4	–	–	–	–	–	–	–	–	–	195	0.28	6.0	–	–	–	–	–	–
ADEX 160604FR-FA:M0315	●	0.4	–	–	–	–	–	–	–	–	–	480	0.28	6.0	–	–	–	–	–	–
ADEX 160608FR-FA:HF7	●	0.8	–	–	–	–	–	–	–	–	–	240	0.28	6.0	–	–	–	–	–	–
ADEX 160608FR-FA:M0315	●	0.8	–	–	–	–	–	–	–	–	–	570	0.28	6.0	–	–	–	–	–	–
ADEX 160616FR-FA:HF7	●	1.6	–	–	–	–	–	–	–	–	–	255	0.28	6.0	–	–	–	–	–	–
ADEX 160616FR-FA:M0315	●	1.6	–	–	–	–	–	–	–	–	–	630	0.28	6.0	–	–	–	–	–	–
ADEX 160630FR-FA:HF7	●	3.0	–	–	–	–	–	–	–	–	–	270	0.28	6.0	–	–	–	–	–	–



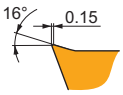
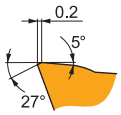
FA geometria con design altamente positivo per lavorazioni da leggere a medie.

ADEX 16-HF

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.950	4.50	16.00	5.88



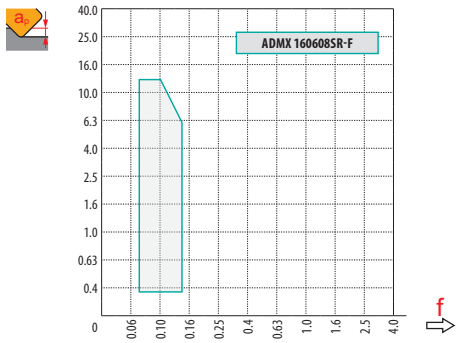
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

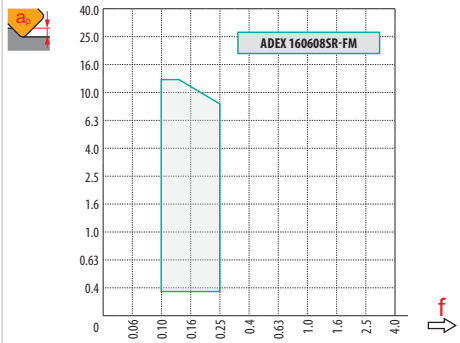
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
HF geometria con design altamente positivo per lavorazioni ad alto avanzamento.																				
ADEX 160612SR-HF:8215		1.2	195	1.00	0.6	115	0.90	0.6	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 160612SR-HF:M8310		1.2	205	1.00	0.6	100	0.77	0.6	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 160612SR-HF:M8330		1.2	200	1.00	0.6	120	0.90	0.6	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 160612SR-HF:M8340		1.2	185	1.00	0.6	110	0.90	0.6	–	–	–	–	–	–	–	–	–	–	–	–
ADEX 160612SR-HF:M9340		1.2	195	1.00	0.6	115	0.90	0.6	–	–	–	–	–	–	–	–	–	–	–	–
																				
HF2 geometria con design positivo per lavorazioni ad alto avanzamento.																				
ADEX 160612SR-HF2:M8310		1.2	205	0.90	0.6	100	0.81	0.6	190	0.90	0.6	–	–	–	–	–	–	40	0.63	0.5
ADEX 160612SR-HF2:M8330		1.2	205	0.90	0.6	120	0.81	0.6	190	0.90	0.6	–	–	–	50	0.81	0.5	40	0.63	0.5
ADEX 160612SR-HF2:M8340		1.2	190	0.90	0.6	110	0.81	0.6	180	0.90	0.6	–	–	–	45	0.81	0.5	–	–	–
ADEX 160612SR-HF2:M9325		1.2	230	0.90	0.6	–	–	–	215	0.90	0.6	–	–	–	–	–	–	45	0.63	0.5

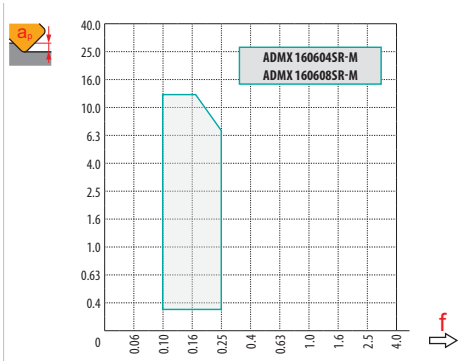
a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ X.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ X.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

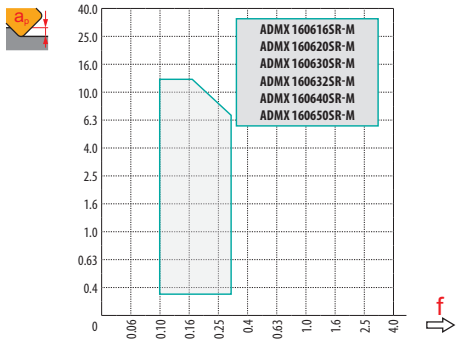
	ADMX 16-F	ADEX 16-FM	ADMX 16-M								ADMX 16-R	
RE	0.8	0.8	0.4	0.8	1.6	2.0	3.0	3.2	4.0	5.0	0.8	1.6
BS	2.99	2.18	3.39	2.99	1.62	1.23	0.28	0.09	2.69	1.52	2.99	1.62

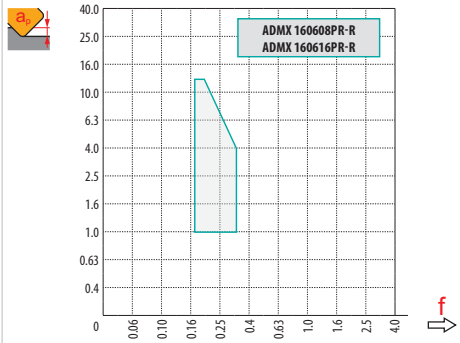
	ADMX 16-MF	ADMX 16-MM			ADEX 16-HF	ADEX 16-HF2	ADEX 16-FA			
RE	0.8	0.4	0.8	1.6	1.2	1.2	0.4	0.8	1.6	3.0
BS	2.99	3.39	2.99	1.62	0.52	0.52	2.84	2.44	1.65	0.69

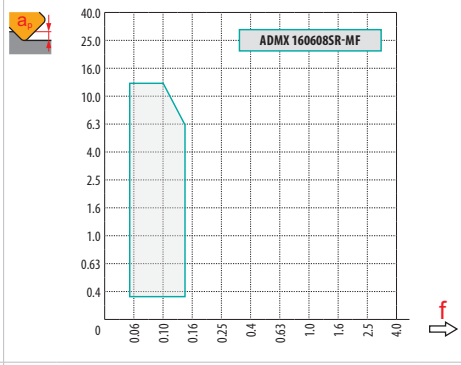


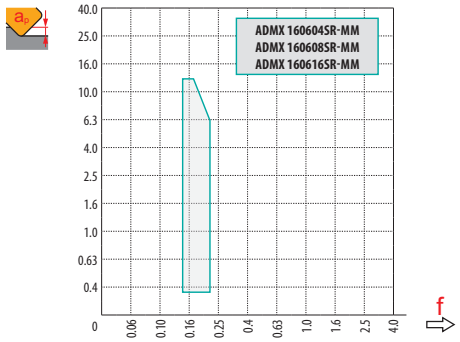


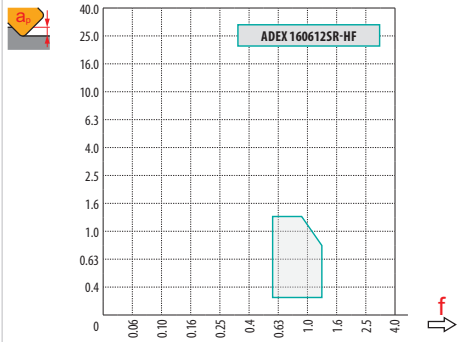


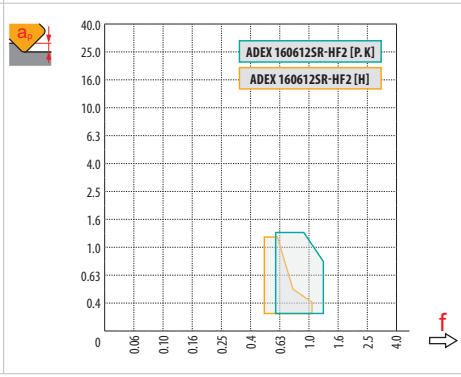


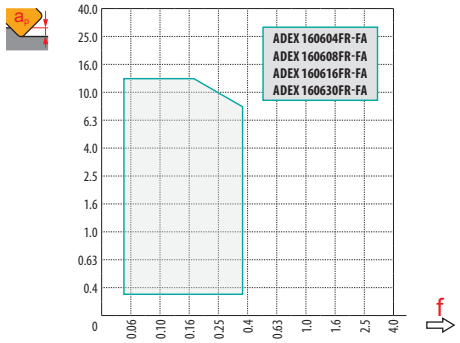












7.5

a_p	1.0	6.0	13.0
f	0.28	0.19	0.10

DC	RPMX	APMX/I
25	12.5°	13.0/60
32	7.5°	13.0/100
40	5.0°	8.6/100
50	3.5°	6.0/100
63	2.5°	4.2/100
80	2.0°	3.3/100

HFC

DC	RPMX *	RPMX **	APMX/I
25	4.0°	8.0°	1.3/19
32	2.0°	7.5°	1.3/38
40	1.2°	4.5°	1.3/65
50	0.8°	3.0°	1.3/100
63	0.5°	2.0°	0.8/100
80	0.4°	1.5°	0.6/100

* Fresatura HFC

** Fresatura standard

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
25	42.0	50.0	10.0	12.5
32	55.0	64.0	6.5	9.0
40	72.0	80.0	5.0	8.0
50	92.0	100.0	4.5	6.0
63	118.0	126.0	4.0	5.0
80	136.0	160.0	1.5	2.0

HFC

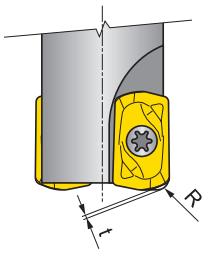
DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
25	42.0	50.0	1.3	1.3
32	55.0	64.0	1.3	1.3
40	72.0	80.0	1.3	1.3
50	92.0	100.0	1.3	1.3
63	118.0	126.0	1.3	1.3
80	136.0	160.0	1.3	1.3

a_p
2.5

DC	µm	3	5	10	15	20	30	40	50	60	80	100
25	FE	0.548	0.707	1.000	1.225	1.414	1.732	2.000	2.236	2.449	2.828	3.162
32		0.620	0.800	1.131	1.386	1.600	1.960	2.263	2.530	2.771	3.200	3.578
40		0.693	0.894	1.265	1.549	1.789	2.191	2.530	2.828	3.098	3.578	4.000
50		0.775	1.000	1.414	1.732	2.000	2.449	2.828	3.162	3.464	4.000	4.472
63		0.869	1.122	1.587	1.944	2.245	2.750	3.175	3.550	3.888	4.490	5.020
80		0.980	1.265	1.789	2.191	2.530	3.098	3.578	4.000	4.382	5.060	5.657

RE	µm	3	5	10	15	20	30	40	50	60	80	100
1.6	FE	0.196	0.253	0.358	0.438	0.506	0.620	0.716	0.800	0.876	1.012	1.131
2.0		0.219	0.283	0.400	0.490	0.566	0.693	0.800	0.894	0.980	1.131	1.265
3.0		0.268	0.346	0.490	0.600	0.693	0.849	0.980	1.095	1.200	1.386	1.549
3.2		0.277	0.358	0.506	0.620	0.716	0.876	1.012	1.131	1.239	1.431	1.600
4.0		0.310	0.400	0.566	0.693	0.800	0.980	1.131	1.265	1.386	1.600	1.789
5.0		0.346	0.447	0.632	0.775	0.894	1.095	1.265	1.414	1.549	1.789	2.000

ADMX/ADEX 16	R
ADMX 160630SR-M	2.5
ADMX 160632SR-M	2.5
ADMX 160640SR-M	4.0
ADMX 160650SR-M	4.5
ADEX 160612SR-HF	3.0
ADEX 160612SR-HF2	3.0



ADEX 16	R	t
ADEX 160612SR-HF	2.59	0.56
ADEX 160612SR-HF2	2.48	0.57

SAP10D

P M K N S

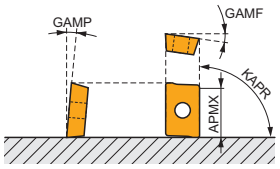
PRAMET

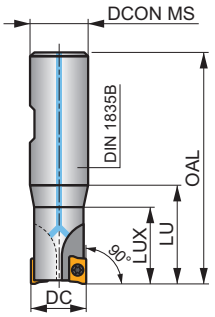
S

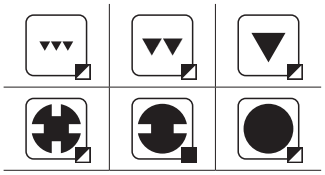
Fresa a spallamento retto per inserti APKT 10 con refrigerante interno

Fresa a candela ed a manicotto a 90° che utilizza inserti positivi APKT10 con APMX di 9 mm. Adatta per spianatura, spallamento, cave, fresatura elicoidale, trocoidale, in rampa ed a tuffo. Disponibile con codolo Weldon ed a manicotto (con passo differenziato) . Corpo trattato per una maggiore durata dell'utensile.

KAPR	90°
APMX	9.0 mm







h_m	0.06 - 0.13
h_m	0.08 - 0.16

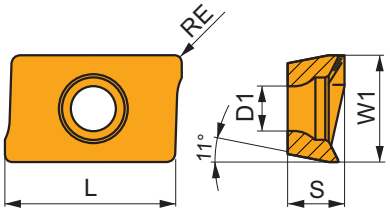
	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LUX (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg		
DIN 1835B	**10A1R020B16-SAP10D-C**	10	78	16	–	30	20	–	–	–	12	2	1	–	39000	✓	0.09	GI081	SQ215
	12A1R027B16-SAP10D-C	12	75	16	–	27	–	–	–	–	12	2	1	–	35600	✓	0.10	GI081	SQ210
	16A2R032B16-SAP10D-C	16	80	16	–	32	–	–	–	–	12	4	2	–	30800	✓	0.12	GI081	SQ210
	20A3R032B20-SAP10D-C	20	82	20	–	32	–	–	–	–	12	4	3	–	27600	✓	0.13	GI081	SQ210
	25A3R042B25-SAP10D-C	25	98	25	–	42	–	–	–	–	12	4	3	–	24700	✓	0.36	GI081	SQ210

GI081	APKT 1003..

		Nm			
SQ210	US 2506-T07P	1.2	M 2.5	6.3	Flag T07P
SQ215	US 2505-T07P	1.2	M 2.5	5.2	Flag T07P

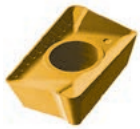
APKT 10

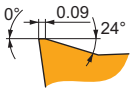
	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1003	6.700	2.88	11.00	3.50



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.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
APKT 1003PDER-M:8215		0.5	285	0.12	4.0	170	0.11	4.0	270	0.12	4.0	–	–	–	70	0.11	3.2	–	–	–
APKT 1003PDER-M:M8330		0.5	285	0.12	4.0	170	0.11	4.0	270	0.12	4.0	–	–	–	70	0.11	3.2	–	–	–
APKT 1003PDER-M:M8340		0.5	255	0.12	4.0	150	0.11	4.0	240	0.12	4.0	–	–	–	60	0.11	3.2	–	–	–
APKT 1003PDER-M:M9325		0.5	360	0.12	4.0	–	–	–	340	0.12	4.0	–	–	–	–	–	–	–	–	–
APKT 1003PDER-M:M9340		0.5	335	0.12	4.0	200	0.11	4.0	–	–	–	–	–	–	80	0.11	3.2	–	–	–

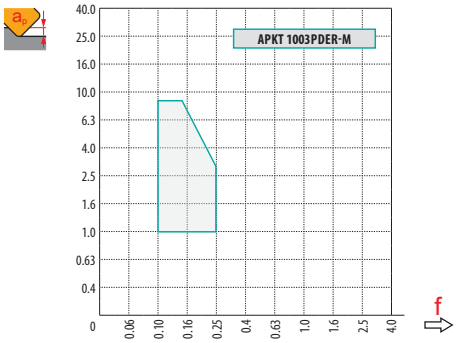




M geometria con design altamente positivo per lavorazioni da leggere a medie.

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
⇨ x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
⇨ x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	APKT 10-M
RE	0.5
BS	0.84



max.
4.5

a_p	1.0	3.0	5.0
1 ⇨ f	0.20	0.13	0.10

DC	RPMX	APMX/I
10	7.3°	9.0/72
12	6.2°	9.0/84
16	2.4°	4.0/100
20	2.2°	3.7/100
25	2.2°	3.7/100

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
10	11.0	20.0	0.4	3.8
12	13.0	24.0	0.3	3.9
16	20.5	32.0	0.6	2.0
20	27.2	40.0	0.9	2.4
25	37.9	50.0	1.6	3.0

a_p
0.3

SAP16D

P M K N S

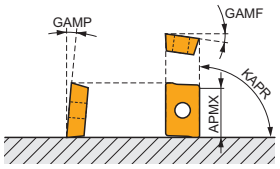
PRAMET

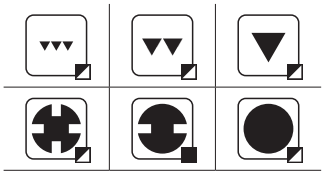
S

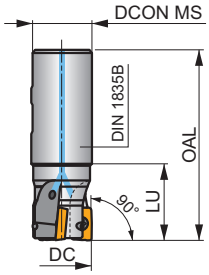
Fresa a spallamento retto per inserti APKT 16 con refrigerante interno

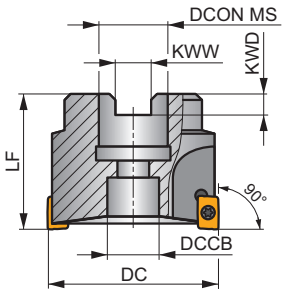
Fresa a candela ed a manicotto a 90° che utilizza inserti positivi APKT16 con APMX di 13 mm. Adatta per spianatura, spallamento, cave, fresatura elicoidale, trocoidale, in rampa ed a tuffo. Disponibile con codolo Weldon ed a manicotto (con passo differenziato) . Corpo trattato per una maggiore durata dell'utensile.

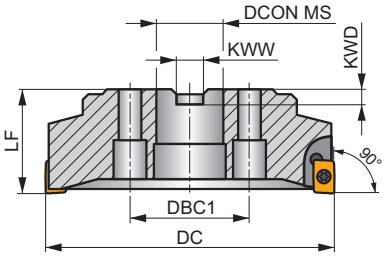
KAPR	90°
APMX	13.0 mm











h_m	0.06 - 0.18
h_m	0.10 - 0.22

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	LU (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835B	25A2R042B25-SAP16D-C	25	98	25	–	–	42	–	–	–	0	6	2	–	16800	✓	0.31	GI080	SQ030	–
DIN 1835B	32A3R040B32-SAP16D-C	32	100	32	–	–	50	–	–	–	0	8	3	–	14800	✓	0.51	GI080	SQ220	–
DIN 1835B	40A4R050B32-SAP16D-C	40	110	32	–	–	50	–	–	–	0	8	4	–	13200	✓	0.67	GI080	SQ220	–
	40A4R-S90AP16D	40	40	16	11	–	–	40	8.4	5.6	0	6	4	✓	13200	–	0.23	GI080	SQ031	–
	50A5R-S90AP16D	50	40	22	18	–	–	40	10.4	6.3	0	6	5	✓	11800	–	0.35	GI080	SQ031	–
	63A6R-S90AP16D	63	40	22	18	–	–	40	10.4	6.3	0	6	6	✓	10600	–	0.50	GI080	SQ031	–
ISO 6462 DIN 8030	80B5R-S90AP16D	80	50	27	38	–	–	50	12.4	7	0	6	5	✓	9400	–	0.97	GI080	SQ031	AC001
ISO 6462 DIN 8030	80B7R-S90AP16D	80	50	27	38	–	–	50	12.4	7	0	6	7	✓	9400	–	0.99	GI080	SQ031	AC001
ISO 6462 DIN 8030	100B8R-S90AP16D	100	50	32	45	–	–	50	14.4	8	0	6	8	✓	8400	–	1.50	GI080	SQ031	AC002
ISO 6462 DIN 8030	125B9R-S90AP16D	125	63	40	56	–	–	63	16.4	9	0	6	9	✓	7500	–	2.80	GI080	SQ031	AC003

GI080	APKT 1604..	APET 1604..

		Nm					
SQ030	US 4008-T15P	3.5	M 4	8	–	–	Flag T15P
SQ031	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–
SQ220	US 4011-T15P	3.5	M 4	10.6	–	–	Flag T15P

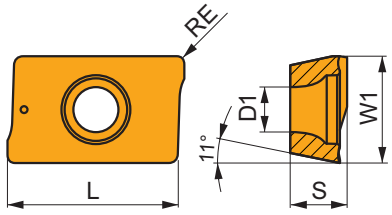
AC001	KS 1230	K.FMH27

AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

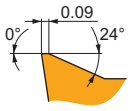
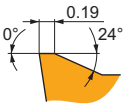
APKT 16

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1604	9.440	4.60	17.00	5.67



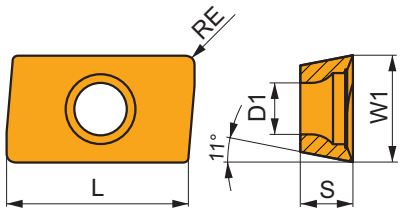
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			**GM** geometria con design altamente positivo per lavorazioni da leggere a medie.																	
APKT 1604PDR-GM:M8330		0.8	235	0.20	8.0	140	0.18	8.0	220	0.20	8.0	–	–	–	55	0.16	6.4	–	–	–
APKT 1604PDR-GM:M8340		0.8	210	0.20	8.0	125	0.18	8.0	195	0.20	8.0	–	–	–	50	0.16	6.4	–	–	–
APKT 1604PDR-GM:M9315		0.8	310	0.20	8.0	–	–	–	290	0.20	8.0	–	–	–	–	–	–	–	–	–
APKT 1604PDR-GM:M9325		0.8	285	0.20	8.0	–	–	–	270	0.20	8.0	–	–	–	–	–	–	–	–	–
APKT 1604PDR-GM:M9340		0.8	260	0.20	8.0	155	0.18	8.0	–	–	–	–	–	–	65	0.16	6.4	–	–	–
			**HM** geometria con design altamento positivo per condizioni da medie a leggermente instabili.																	
APKT 160404-HM:M8340		0.4	160	0.30	6.0	95	0.27	6.0	150	0.30	6.0	–	–	–	40	0.24	4.8	–	–	–
APKT 160416-HM:M8340		1.6	210	0.30	6.0	125	0.27	6.0	195	0.30	6.0	–	–	–	50	0.24	4.8	–	–	–
APKT 160431-HM:M8340		3.1	220	0.30	6.0	130	0.27	6.0	205	0.30	6.0	–	–	–	55	0.24	4.8	–	–	–
APKT 1604PDR-HM:8215		0.8	220	0.30	6.0	130	0.27	6.0	205	0.30	6.0	–	–	–	55	0.24	4.8	–	–	–
APKT 1604PDR-HM:M5315		0.8	270	0.30	6.0	–	–	–	255	0.30	6.0	–	–	–	–	–	–	–	–	–
APKT 1604PDR-HM:M8330		0.8	220	0.30	6.0	130	0.27	6.0	205	0.30	6.0	–	–	–	55	0.24	4.8	–	–	–
APKT 1604PDR-HM:M8340		0.8	200	0.30	6.0	120	0.27	6.0	190	0.30	6.0	–	–	–	50	0.24	4.8	–	–	–
APKT 1604PDR-HM:M9325		0.8	260	0.30	6.0	–	–	–	245	0.30	6.0	–	–	–	–	–	–	–	–	–

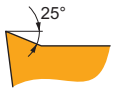
APET 16-FA

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1604	9.600	4.50	17.00	4.76



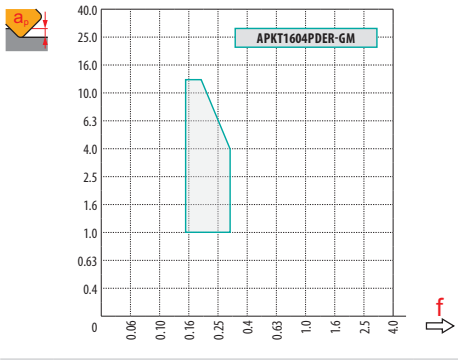
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

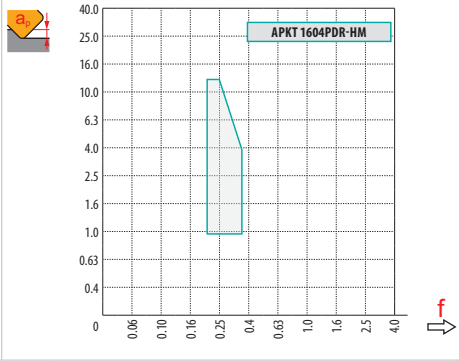
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
APET 160408FR-FA:HF7	●	0.8	–	–	–	–	–	–	–	–	–	■	255	0.24	8.0	–	–	–	–	–	–

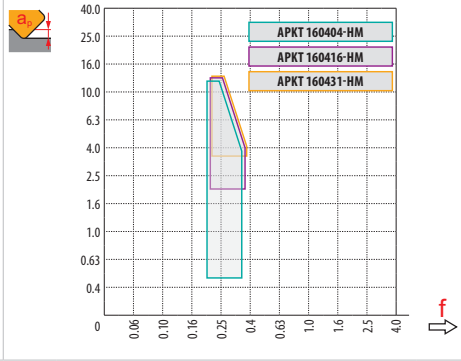
FA geometria con design altamente positivo per lavorazioni da leggere a medie.

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	APKT 16-GM	APKT 16-HM			
RE	0.8	0.4	0.8	1.6	3.1
BS	1.39	1.87	1.48	0.64	1.30







max

7.4

a_p	1.0	6.0	13.0
f	0.28	0.19	0.13

DC	DMIN	DMAX	SMAX DMIN	SMAX DMAX
25	34.7	50.0	1.2	3.1
32	48.5	64.0	0.9	1.7
40	63.5	80.0	1.3	2.2
50	83.5	100.0	0.9	1.4
63	110.0	126.0	1.0	1.4
80	144.0	160.0	1.1	1.3

DC	RPMX	APMX/I
25	2.3	3.9/100
32	1.0	1.6/100
40	1.0	1.6/100
50	0.5	0.7/100
63	0.4	0.5/100
80	0.3	0.4/100

a_p
0.2

SPIANATURA

	SSO09	SSD12	FTB27X			
	90°	90°	90°			
	APMX (mm) 8.0	APMX (mm) 10.0	APMX (mm) 18.0			
	DC (mm) 20 – 80	DC (mm) 50 – 160	DC (mm) 175, 260			
Codolo cilindrico						
Weldon	 DC = 20 – 32 (mm)					
Modulare						
Fresa a manicotto	 DC = 40 – 80 (mm)					
Pagina	122	125	128			
ISO	P M K S	P M K N S	P M K			
Forma dell'inserto						
Inserti	SOMT 09T3	SDMT 1205	TBMR 2707			
N. di taglienti	4	4	3			
Fresatura di spallamento superficiale 	■	■	■			
Cave poco profonde 	■	■	◪			
Fresatura a tuffo 	■	■				
Spianatura 	◪	◪	◪			

■ Uso primario ◪ Uso possibile

SSO09

P M K S

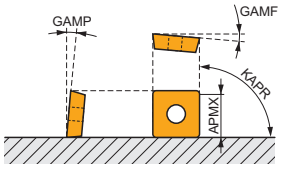
PRAMET

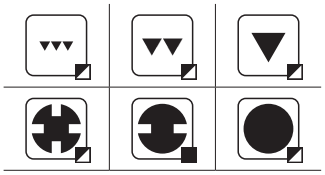
S

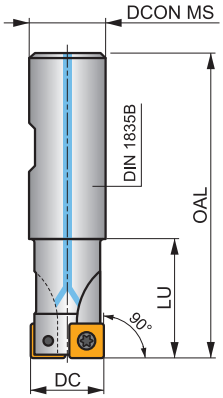
Fresa a spallamento retto per inserti SOMT 09 con refrigerante interno

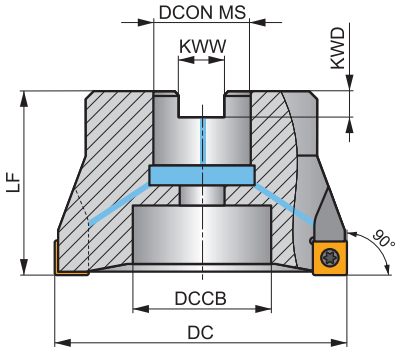
Fresa a candela e a manicotto a 90° che utilizza inserti positivi SOMT 09 con APMX di 8 mm. Adatta per spianatura, spallamento, fresatura di cave ed a tuffo. Disponibile con codolo Weldon ed a manicotto. Corpo trattato per una maggiore durata dell'utensile.

KAPR	90°
APMX	8.0 mm









h_m	0.07 - 0.18
h_m	0.07 - 0.22

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
DIN 1835B	**20A2R032B20-SSO09-C**	20	82	20	–	32	–	–	–	-12	6	2	–	23800	✓	0.21	GI146	SQ400	–
	25A3R042B25-SSO09-C	25	98	25	–	42	–	–	–	-12	6	3	–	21300	✓	0.31	GI146	SQ400	–
	32A4R042B32-SSO09-C	32	102	32	–	42	–	–	–	-10	10	4	✓	18800	✓	0.55	GI146	SQ400	–
ISO 6462 DIN 8030	**40A05R-S90SO09-C**	40	–	16	14	–	40	8.4	5.6	-9.1	10	5	–	16800	✓	0.29	GI146	SQ402	–
	50A06R-S90SO09-C	50	–	22	18	–	40	10.4	6.4	-8.8	10	6	–	15100	✓	0.33	GI146	SQ403	–
	63A07R-S90SO09-C	63	–	22	18	–	40	10.4	6.4	-8.6	10	7	–	13400	✓	0.62	GI146	SQ403	–
	80A09R-S90SO09-C	80	–	27	38	–	50	12.4	7	-8.1	10	9	–	11900	✓	1.03	GI146	SQ401	AC001

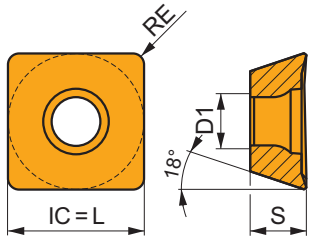
GI146	SOMT 09T3..

		Nm						
SQ400	US 3006-T09P	2.0	M 3	6	–	–	Flag T09P	–
SQ401	US 3006-T09P	2.0	M 3	6	D-T07P/T09P	FG-15	–	–
SQ402	US 3006-T09P	2.0	M 3	6	D-T07P/T09P	FG-15	–	HS 0830C
SQ403	US 3006-T09P	2.0	M 3	6	D-T07P/T09P	FG-15	–	HS 1030C

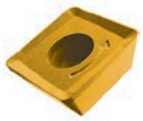
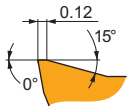
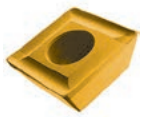
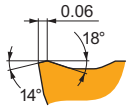
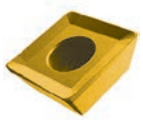
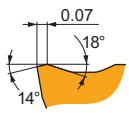
AC001	KS 1230	K.FMH27

SOMT 09

	IC	D1	L	S
	(mm)	(mm)	(mm)	(mm)
09T3	9.550	3.50	9.55	3.97

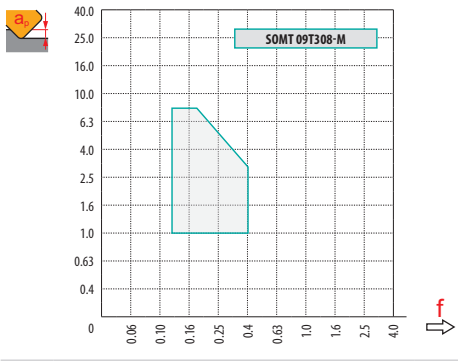


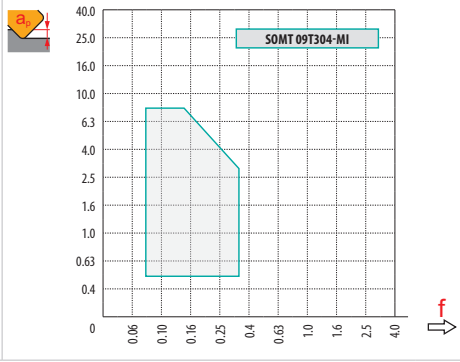
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap) per angoli di attacco 90°. Fare riferimento alla nostra App Mac. Calculator per ulteriori calcoli.

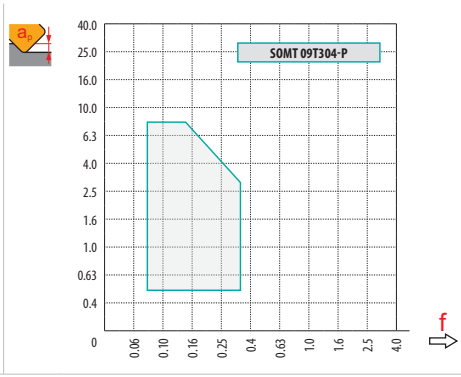
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
M geometria con design positivo per lavorazioni medie.																				
SOMT 09T308-M:8215	●	0.8	275	0.14	2.5	165	0.13	2.5	260	0.14	2.5	–	–	–	65	0.13	2.0	–	–	–
SOMT 09T308-M:M5315	●	0.8	390	0.14	2.5	–	–	–	370	0.14	2.5	–	–	–	–	–	–	–	–	–
SOMT 09T308-M:M8330	●	0.8	270	0.14	2.5	160	0.13	2.5	255	0.14	2.5	–	–	–	65	0.13	2.0	–	–	–
SOMT 09T308-M:M8340	●	0.8	250	0.14	2.5	150	0.13	2.5	235	0.14	2.5	–	–	–	60	0.13	2.0	–	–	–
SOMT 09T308-M:M9315	●	0.8	380	0.14	2.5	–	–	–	360	0.14	2.5	–	–	–	–	–	–	–	–	–
																				
MI geometria con design positivo bilanciato per lavorazioni medie.																				
SOMT 09T304-MI:8215	●	0.4	230	0.14	2.5	135	0.13	2.5	215	0.14	2.5	–	–	–	55	0.10	2.0	–	–	–
SOMT 09T304-MI:M8310	●	0.4	255	0.14	2.5	130	0.13	2.5	240	0.14	2.5	–	–	–	–	–	–	–	–	–
SOMT 09T304-MI:M8330	●	0.4	230	0.14	2.5	135	0.13	2.5	215	0.14	2.5	–	–	–	55	0.10	2.0	–	–	–
SOMT 09T304-MI:M8340	●	0.4	210	0.14	2.5	125	0.13	2.5	195	0.14	2.5	–	–	–	50	0.10	2.0	–	–	–
SOMT 09T304-MI:M9315	●	0.4	320	0.14	2.5	–	–	–	300	0.14	2.5	–	–	–	–	–	–	–	–	–
SOMT 09T304-MI:M9340	●	0.4	265	0.14	2.5	155	0.13	2.5	–	–	–	–	–	–	65	0.10	2.0	–	–	–
																				
P geometria con design altamente positivo per lavorazioni medie.																				
SOMT 09T304-P:M8330	●	0.4	250	0.14	2.5	150	0.13	2.5	235	0.14	2.5	–	–	–	60	0.10	2.0	–	–	–
SOMT 09T304-P:M8340	●	0.4	230	0.14	2.5	135	0.13	2.5	215	0.14	2.5	–	–	–	55	0.10	2.0	–	–	–
SOMT 09T304-P:M9325	●	0.4	320	0.14	2.5	–	–	–	300	0.14	2.5	–	–	–	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	SOMT 09-M	SOMT 09-MI	SOMT 09-P
RE	0.8	0.4	0.4
BS	0.90	1.30	1.30







max

6.0

a_p	1.0	4.0	8.0
f	0.28	0.19	0.09

SSD12

P M K N S

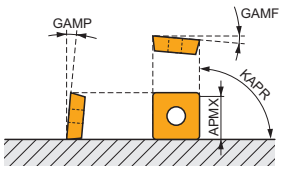
PRAMET

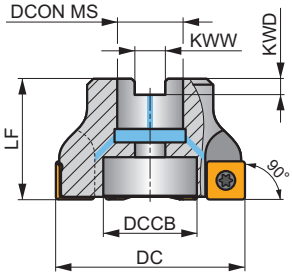
S

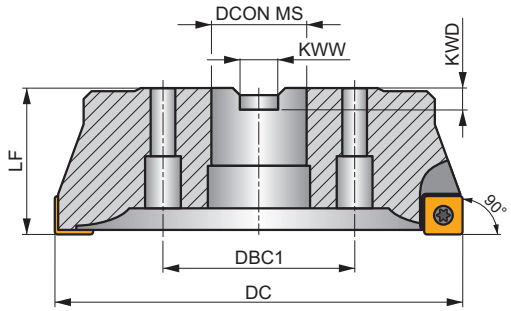
Fresa a spallamento retto per inserto SDMT 12 con refrigerante interno

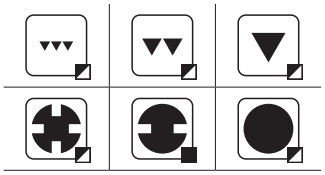
Fresa a 90° a manicotto che utilizza inserti positivi SDMT 12 con APMX di 10 mm. Adatta per spianatura, spallamento, esecuzione di cave e lavorazione a tuffo. Disponibile con attacco a manicotto . Corpo trattato per una maggiore durata dell'utensile.

KAPR	90°
APMX	10.0 mm









h_m 0.09 - 0.25

	Codice prodotto	DC (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
	50A05R-S90SD12-C	50	40	22	18	–	10.4	6.3	-5	8	5	–	13000	✓	0.34	GI057	SQ413	–
	63A06R-S90SD12-C	63	40	22	18	–	10.4	6.3	-5	8	6	–	11600	✓	0.53	GI057	SQ413	–
ISO 6462 DIN 8030	**80A06R-S90SD12-C**	80	50	27	38	–	12.4	7	-5	8	6	–	10300	✓	1.16	GI057	SQ411	AC001
	100A08R-S90SD12-C	100	50	32	45	–	14.4	8	-5	8	8	–	9200	✓	1.69	GI057	SQ411	AC002
	125A09R-S90SD12-C	125	63	40	56	–	16.4	9	-5	8	9	–	8300	✓	3.19	GI057	SQ411	AC003
	160C12R-S90SD12	160	63	40	–	66.7	16.4	9	-5	8	12	–	7300	–	5.70	GI057	SQ411	–

GI057	SDMT 1205..

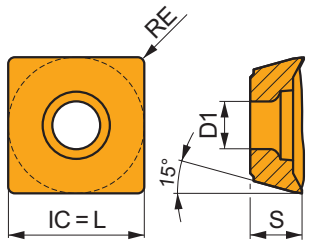
					Nm					
SQ411	SSN 100312	MS 3510	HXK 3.5	US 3511-T15	3.0	M 3.5	11	D-T07/T15	FG-15	–
SQ413	–	–	–	US 3511-T15	3.0	M 3.5	11	D-T07/T15	FG-15	HS 1030C

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

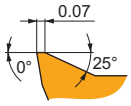
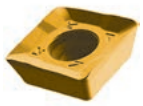
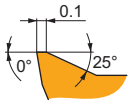
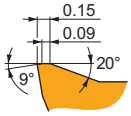
SDMT 12

PRAMET

	IC (mm)	D1 (mm)	L (mm)	S (mm)
1205	12.700	4.40	12.70	5.00

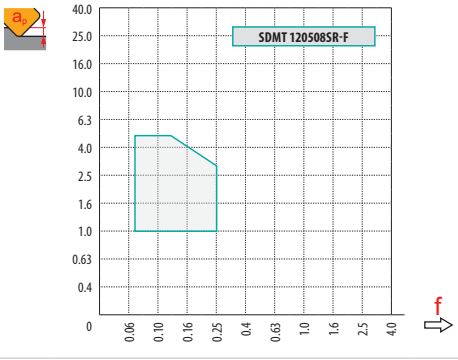


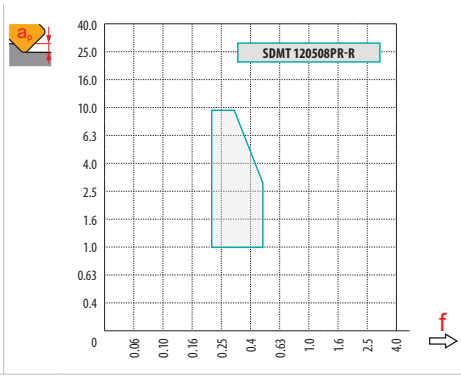
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto		RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																				
F geometria con design positivo per lavorazioni da leggere a medie.																				
SDMT 120508SR-F:M8330		0.8	275	0.10	3.0	165	0.09	3.0	260	0.10	3.0	825	0.12	3.0	65	0.08	2.4	–	–	–
SDMT 120508SR-F:M8340		0.8	250	0.10	3.0	150	0.09	3.0	235	0.10	3.0	–	–	–	60	0.08	2.4	–	–	–
																				
M geometria con design positivo per lavorazioni da leggere a medie.																				
SDMT 120508SR-M:8215		0.8	245	0.16	3.5	145	0.14	3.5	230	0.16	3.5	–	–	–	60	0.11	2.8	–	–	–
SDMT 120508SR-M:M8330		0.8	240	0.16	3.5	140	0.14	3.5	225	0.16	3.5	–	–	–	60	0.11	2.8	–	–	–
SDMT 120508SR-M:M8340		0.8	220	0.16	3.5	130	0.14	3.5	205	0.16	3.5	–	–	–	55	0.11	2.8	–	–	–
SDMT 120508SR-M:M9325		0.8	305	0.16	3.5	–	–	–	285	0.16	3.5	–	–	–	–	–	–	–	–	–
																				
R geometria con design positivo bilanciato per lavorazioni medie.																				
SDMT 120508PR-R:M8330		0.8	220	0.25	3.5	130	0.23	3.5	205	0.25	3.5	–	–	–	55	0.23	2.8	–	–	–
SDMT 120508PR-R:M8340		0.8	195	0.25	3.5	115	0.23	3.5	185	0.25	3.5	–	–	–	45	0.23	2.8	–	–	–
SDMT 120508PR-R:M9315		0.8	280	0.25	3.5	–	–	–	265	0.25	3.5	–	–	–	–	–	–	–	–	–
SDMT 120508PR-R:M9325		0.8	265	0.25	3.5	–	–	–	250	0.25	3.5	–	–	–	–	–	–	–	–	–

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	SDMT 12-F	SDMT 12-M	SDMT 12-R
RE	0.8	0.8	0.8
BS	–	–	–





max.

8.0

a_p	1.0	5.0	10.0
f	0.39	0.25	0.14

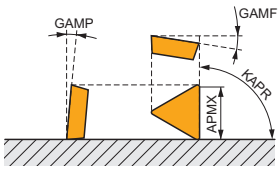
FTB27X

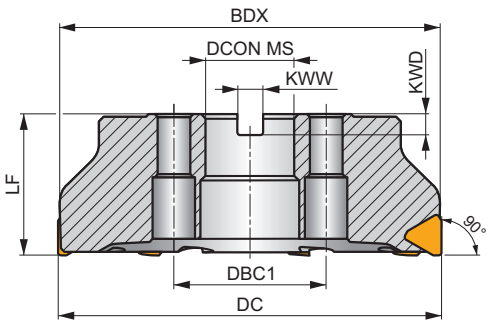
ROUGH TB Fresa a spallamento retto con inserti TBMR 27 per fresatura pesante

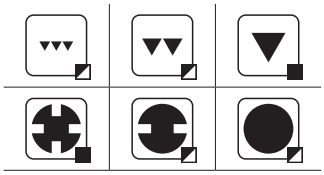
Fresa a 90° a manicotto che utilizza inserti positivi TBMR 27 con APMX di 18 mm. Adatta per spianatura pesante, spallamento e fresatura di cave. Disponibile con attacco a manicotto e con passo differenziato. Corpo trattato per una maggiore durata dell'utensile.

ROUGH TB

KAPR	90°
APMX	18.0 mm







h_m 0.15 - 0.38

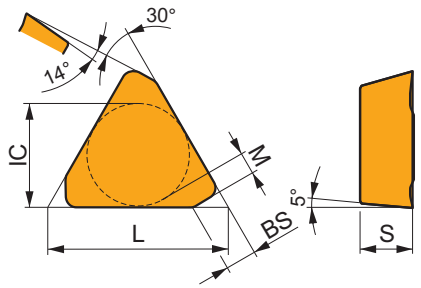
	Codice prodotto	DC (mm)	BDX (mm)	LF (mm)	DCON MS (mm)	DCCB (mm)	DBC1 (mm)	KWW (mm)	KWD (mm)	GAMF (°)	GAMP (°)			max.		kg			
ISO 6462 DIN 8030	**175C08R-F90TB27X**	175	169.6	63	40	–	66.7	16.4	16.4	-9	9	8	✓	–	–	7.59	GI163	SQ424	–
	260C12R-F90TB27X	260	253.4	63	60	–	101.6	25.7	25.7	-9	9	12	✓	–	–	18.21	GI163	SQ425	–

GI163	TBMR 2707PZ..

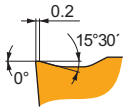
SQ424	LNK 220616	US 6013-T20P	SDR T20P-T	KU TBMR 2707	DS 01Z	KL 04	HS 1240
SQ425	LNK 220616	US 6013-T20P	SDR T20P-T	KU TBMR 2707	DS 01Z	KL 04	HS 1655

TBMR 27

	BS	IC	L	M	S
	(mm)	(mm)	(mm)	(mm)	(mm)
2707	4.61	15.875	27.50	3.2	7.94



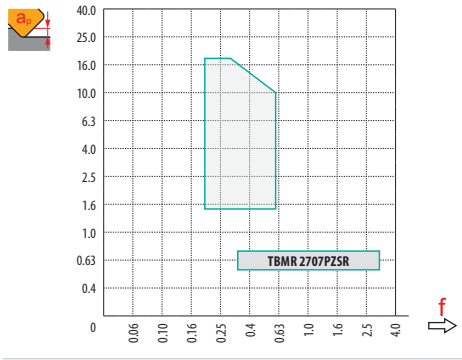
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
TBMR 2707PZSR:M8326		–	130	0.20	11.0	–	–	–	120	0.20	11.0	–	–	–	–	–	–	–	–	–
TBMR 2707PZSR:M8346		–	110	0.20	11.0	65	0.20	11.0	–	–	–	–	–	–	–	–	–	–	–	–

PZSR design robusto per lavorazioni pesanti.

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00
x.f	2.20	1.60	1.35	1.20	1.10	0.95	0.85	0.75	0.85	0.95	1.00	1.00	1.00	1.00
x.f	0.64	0.64	0.64	0.64	0.64	0.65	0.65	0.67	0.68	0.71	0.72	0.74	0.79	1.00

	TBMR 27
RE	–
BS	2.70



a_e	1.5	8.0	18.0
f	0.60	0.39	0.24

FRESATURA DI SPALLAMENTI PROFONDI

SPIANATURA

	J(T)-SAD11E	J(T)-SAD16E	J(T)-SSAP	J(T)-CSD12X	J(T)-SLSN
	90°	90°	90°	90°	90°
	APMX (mm) 37.0 – 56.0	APMX (mm) 40.0 – 108.0	APMX (mm) 58.0 – 95.0	APMX (mm) 44.1 – 87.3	APMX (mm) 104.0 – 134.0
	DC (mm) 25 – 50	DC (mm) 50 – 100	DC (mm) 50 – 80	DC (mm) 40 – 80	DC (mm) 63, 80
Codolo cilindrico	 DC = 25 – 40 (mm)				
Weldon	 DC = 25 – 40 (mm)			 DC = 50 (mm)	
Modulare		 DC = 50 – 80 (mm)		 DC = 40 – 63 (mm)	
Fresa a manicotto	 DC = 50 (mm)	 DC = 50 – 100 (mm)		 DC = 50 – 80 (mm)	
Pagina	134	139	145	150	153
ISO	P M K N S H	P M K N S H	P M K N S H	P M S	P K
Forma dell'inserto					
Inserti	AD 11T3	AD.. 1606	APE. 150412 SPE. 1204	SD.X 1205	LNET 1606 SN.. 1305
N. di taglienti	2	2	2 / 4	4	2 / 8
Fresatura di spallamento profonda 	■	■	■	■	■
Scanalatura profonda 	■	■	■	■	■
Spianatura 	◪	◪	◪	◪	◪
Fresatura a tuffo 	◪	◪	◪		◪

■ Uso primario ◪ Uso possibile

J(T)-SAD11E

P M K N S

PRAMET

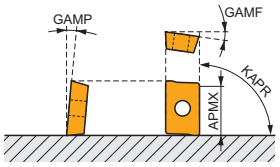
S

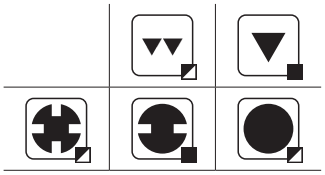
HELICAL AD11 Fresa per spallamento profondo con refrigerante interno

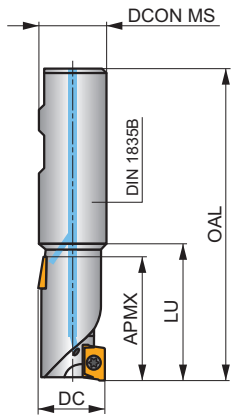
Fresa 90° per spallamento profondo che utilizza inserti positivi ADMX 11 con APMX da 36 a 56 mm con refrigerante interno. Adatta per fresatura a spallamento, cave, spianatura ed a tuffo. Disponibile con codolo Weldon, cono morse ed a manicotto . Corpo trattato per una maggiore durata dell'utensile.

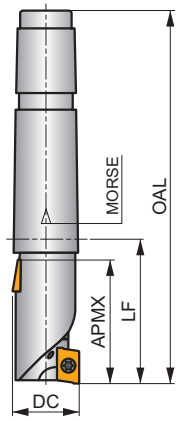
FORCE AD

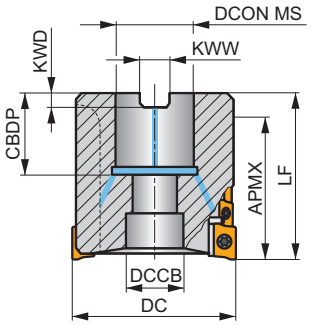
KAPR	90°
APMX	37.0 - 56.0 mm











h_m	0.05 - 0.08
h_m	0.05 - 0.08

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	APMX (mm)	CBDP (mm)	CZC MS	GAMF (°)	GAMP (°)	NOF			max.		kg		
DIN 1835B	**25J2R50B25-SAD11E38-C**	25	106	25	–	50	–	38.00	–	–	-10.5	5	2	8	–	24100	✓	0.32	GI184	SQ210
	32J2R60B32-SAD11E47-C	32	120	32	–	60	–	47.00	–	–	-9	8	2	10	–	21300	✓	0.60	GI184	SQ210
	40J2R60B40-SAD11E47-C	40	130	40	–	60	–	47.00	–	–	-8.1	11	2	10	–	19100	✓	1.07	GI184	SQ210
	40J3R70B32-SAD11E56-C	40	130	32	–	70	–	56.00	–	–	-8.1	11	3	18	–	19100	✓	0.76	GI184	SQ210
	40J3R70B40-SAD11E56-C	40	140	40	–	70	–	56.00	–	–	-8.1	11	3	18	–	19100	✓	1.07	GI184	SQ210
DIN 228A	**25J2R55E03-SAD11E38-C**	25	136	–	–	–	55	38.00	–	3	-10.5	5	2	8	–	24100	✓	0.32	GI184	SQ210
	32J2R65E04-SAD11E47-C	32	167.5	–	–	–	65	47.00	–	4	-9	8	2	10	–	21300	✓	0.71	GI184	SQ210
	40J3R75E04-SAD11E56-C	40	177.5	–	–	–	75	56.00	–	4	-8.1	11	3	18	–	19100	✓	0.85	GI184	SQ210
ISO 6462 DIN 8030	**50T03R-S90AD11E37-C**	50	–	22	18	–	58	37.00	21	–	-7.2	12	3	12	–	17000	✓	0.66	GI184	SQ903

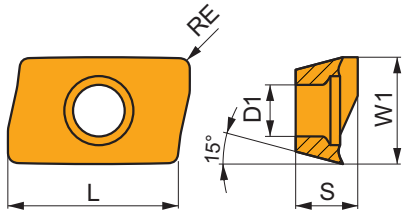
GI184	ADMX 11T3..	ADEX 11T3..-FA

		Nm						
SQ210	US 2506-T07P	1.2	M 2.5	6.3	–	–	Flag T07P	–
SQ903	US 2506-T07P	1.2	M 2.5	6.3	D-T07P/T09P	FG-15	–	HS 1030C

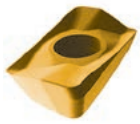
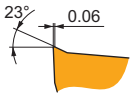
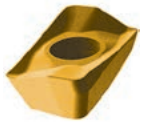
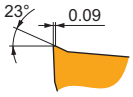
ADMX 11

PRAMET

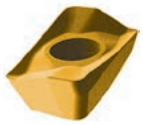
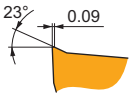
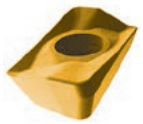
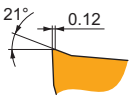
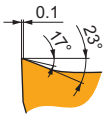
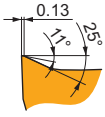
	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
11T3	6.530	2.90	11.00	3.97



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.

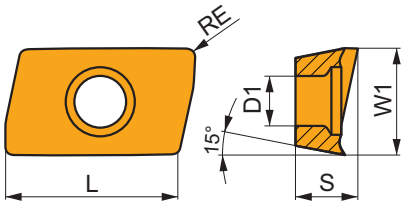
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
			**F** geometria con design altamente affilato per lavorazioni leggere.																	
ADMX 11T304SR-F:8215	●	0.4	245	0.10	2.0	145	0.09	2.0	230	0.10	2.0	735	0.12	2.0	60	0.08	1.6	–	–	–
ADMX 11T304SR-F:M8330	●	0.4	240	0.10	2.0	140	0.09	2.0	225	0.10	2.0	720	0.12	2.0	60	0.08	1.6	–	–	–
ADMX 11T304SR-F:M8340	●	0.4	220	0.10	2.0	130	0.09	2.0	205	0.10	2.0	–	–	–	55	0.08	1.6	–	–	–
ADMX 11T304SR-F:M9340	●	0.4	285	0.10	2.0	170	0.09	2.0	–	–	–	–	–	–	70	0.08	1.6	–	–	–
ADMX 11T308SR-F:8215	⬢	0.8	290	0.10	2.0	170	0.09	2.0	275	0.10	2.0	870	0.12	2.0	70	0.08	1.6	–	–	–
ADMX 11T308SR-F:M8330	⬢	0.8	285	0.10	2.0	170	0.09	2.0	270	0.10	2.0	855	0.12	2.0	70	0.08	1.6	–	–	–
ADMX 11T308SR-F:M8340	⬢	0.8	260	0.10	2.0	155	0.09	2.0	245	0.10	2.0	–	–	–	65	0.08	1.6	–	–	–
ADMX 11T308SR-F:M9340	⬢	0.8	340	0.10	2.0	200	0.09	2.0	–	–	–	–	–	–	85	0.08	1.6	–	–	–
			**M** geometria con design positivo per lavorazioni da leggere a medie.																	
ADMX 11T302SR-M:M8330	●	0.2	190	0.15	4.0	110	0.14	4.0	180	0.15	4.0	–	–	–	45	0.12	3.2	–	–	–
ADMX 11T302SR-M:M8340	⬢	0.2	170	0.15	4.0	100	0.14	4.0	160	0.15	4.0	–	–	–	40	0.12	3.2	–	–	–
ADMX 11T304SR-M:8215	●	0.4	205	0.15	4.0	120	0.14	4.0	190	0.15	4.0	–	–	–	50	0.12	3.2	–	–	–
ADMX 11T304SR-M:M8310	●	0.4	220	0.15	4.0	110	0.14	4.0	205	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T304SR-M:M8330	⬢	0.4	205	0.15	4.0	120	0.14	4.0	190	0.15	4.0	–	–	–	50	0.12	3.2	–	–	–
ADMX 11T304SR-M:M8340	⬢	0.4	185	0.15	4.0	110	0.14	4.0	175	0.15	4.0	–	–	–	45	0.12	3.2	–	–	–
ADMX 11T304SR-M:M9325	●	0.4	255	0.15	4.0	–	–	–	240	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T304SR-M:M9340	●	0.4	235	0.15	4.0	140	0.14	4.0	–	–	–	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T308SR-M:8215	⬢	0.8	245	0.15	4.0	145	0.14	4.0	230	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T308SR-M:M5315	⬢	0.8	335	0.15	4.0	–	–	–	315	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T308SR-M:M8310	⬢	0.8	265	0.15	4.0	135	0.14	4.0	250	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T308SR-M:M8330	⬢	0.8	245	0.15	4.0	145	0.14	4.0	230	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T308SR-M:M8340	⬢	0.8	220	0.15	4.0	130	0.14	4.0	205	0.15	4.0	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T308SR-M:M9315	⬢	0.8	330	0.15	4.0	–	–	–	310	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T308SR-M:M9325	⬢	0.8	305	0.15	4.0	–	–	–	285	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T308SR-M:M9340	⬢	0.8	275	0.15	4.0	165	0.14	4.0	–	–	–	–	–	–	65	0.12	3.2	–	–	–
ADMX 11T310SR-M:M8330	⬢	1.0	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T310SR-M:M8340	✱	1.0	230	0.15	4.0	135	0.14	4.0	215	0.15	4.0	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T312SR-M:8215	⬢	1.2	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T312SR-M:M8330	✱	1.2	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T312SR-M:M8340	✱	1.2	230	0.15	4.0	135	0.14	4.0	215	0.15	4.0	–	–	–	55	0.12	3.2	–	–	–
ADMX 11T316SR-M:8215	⬢	1.6	270	0.15	4.0	160	0.14	4.0	255	0.15	4.0	–	–	–	65	0.12	3.2	–	–	–
ADMX 11T316SR-M:M6330	✱	1.6	230	0.15	4.0	165	0.14	4.0	–	–	–	–	–	–	65	0.12	3.2	–	–	–
ADMX 11T316SR-M:M8310	⬢	1.6	295	0.15	4.0	150	0.14	4.0	280	0.15	4.0	–	–	–	–	–	–	–	–	–
ADMX 11T316SR-M:M8330	✱	1.6	270	0.15	4.0	160	0.14	4.0	255	0.15	4.0	–	–	–	65	0.12	3.2	–	–	–
ADMX 11T316SR-M:M8340	✱	1.6	240	0.15	4.0	140	0.14	4.0	225	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T320SR-M:M6330	✱	2.0	240	0.15	4.0	170	0.14	4.0	–	–	–	–	–	–	70	0.12	3.2	–	–	–
ADMX 11T320SR-M:M8330	✱	2.0	280	0.15	4.0	165	0.14	4.0	265	0.15	4.0	–	–	–	70	0.12	3.2	–	–	–
ADMX 11T320SR-M:M8340	✱	2.0	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–

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.

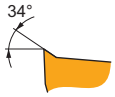
Codice prodotto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
M geometria con design positivo per lavorazioni da leggere a medie.																				
ADMX 11T325SR-M:M6330	✱	2.5	240	0.15	4.0	170	0.14	4.0	–	–	–	–	–	–	70	0.12	3.2	–	–	–
ADMX 11T325SR-M:M8340	✱	2.5	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
ADMX 11T330SR-M:M6330	✱	3.0	240	0.15	4.0	170	0.14	4.0	–	–	–	–	–	–	70	0.12	3.2	–	–	–
ADMX 11T330SR-M:M8330	✱	3.0	280	0.15	4.0	165	0.14	4.0	265	0.15	4.0	–	–	–	70	0.12	3.2	–	–	–
ADMX 11T330SR-M:M8340	✱	3.0	255	0.15	4.0	150	0.14	4.0	240	0.15	4.0	–	–	–	60	0.12	3.2	–	–	–
																				
R geometria con design positivo per lavorazioni con condizioni leggermente instabili.																				
ADMX 11T308PR-R:8215	✱	0.8	230	0.18	4.0	135	0.16	4.0	215	0.18	4.0	–	–	–	55	0.16	3.2	45	0.12	0.7
ADMX 11T308PR-R:M5315	✱	0.8	310	0.18	4.0	–	–	–	290	0.18	4.0	–	–	–	–	–	–	60	0.13	0.7
ADMX 11T308PR-R:M8310	✱	0.8	250	0.18	4.0	125	0.16	4.0	235	0.18	4.0	–	–	–	–	–	–	50	0.12	0.7
ADMX 11T308PR-R:M8330	✱	0.8	230	0.18	4.0	135	0.16	4.0	215	0.18	4.0	–	–	–	55	0.16	3.2	45	0.12	0.7
ADMX 11T308PR-R:M8340	✱	0.8	210	0.18	4.0	125	0.16	4.0	195	0.18	4.0	–	–	–	50	0.16	3.2	–	–	–
ADMX 11T308PR-R:M9315	✱	0.8	310	0.18	4.0	–	–	–	290	0.18	4.0	–	–	–	–	–	–	60	0.13	0.7
ADMX 11T308PR-R:M9325	✱	0.8	290	0.18	4.0	–	–	–	275	0.18	4.0	–	–	–	–	–	–	55	0.13	0.7
ADMX 11T316PR-R:8215	✱	1.6	255	0.18	4.0	150	0.16	4.0	240	0.18	4.0	–	–	–	60	0.16	3.2	50	0.12	0.7
ADMX 11T316PR-R:M8330	✱	1.6	255	0.18	4.0	150	0.16	4.0	240	0.18	4.0	–	–	–	60	0.16	3.2	50	0.12	0.7
ADMX 11T316PR-R:M9325	✱	1.6	320	0.18	4.0	–	–	–	300	0.18	4.0	–	–	–	–	–	–	60	0.12	0.7
																				
MF geometria con design altamente positivo per lavorazioni da leggere a finitura.																				
ADMX 11T304SR-MF:M6330	●	0.4	215	0.08	2.5	150	0.07	2.5	–	–	–	–	–	–	60	0.06	2.0	–	–	–
ADMX 11T304SR-MF:M8340	●	0.4	220	0.08	2.5	130	0.07	2.5	–	–	–	–	–	–	55	0.06	2.0	–	–	–
ADMX 11T308SR-MF:M6330	✱	0.8	255	0.08	2.5	180	0.07	2.5	–	–	–	–	–	–	75	0.06	2.0	–	–	–
ADMX 11T308SR-MF:M8340	✱	0.8	265	0.08	2.5	155	0.07	2.5	–	–	–	–	–	–	65	0.06	2.0	–	–	–
																				
MM geometria con design altamente positivo per lavorazioni da leggere a medie.																				
ADMX 11T304SR-MM:M6330	✱	0.4	185	0.14	2.5	130	0.13	2.5	–	–	–	–	–	–	55	0.11	2.0	–	–	–
ADMX 11T304SR-MM:M8340	✱	0.4	195	0.14	2.5	115	0.13	2.5	–	–	–	–	–	–	45	0.11	2.0	–	–	–
ADMX 11T308SR-MM:M6330	✱	0.8	225	0.14	2.5	155	0.13	2.5	–	–	–	–	–	–	65	0.11	2.0	–	–	–
ADMX 11T308SR-MM:M8340	✱	0.8	235	0.14	2.5	140	0.13	2.5	–	–	–	–	–	–	55	0.11	2.0	–	–	–
ADMX 11T308SR-MM:M8345	✱	0.8	190	0.14	2.5	110	0.13	2.5	–	–	–	–	–	–	45	0.11	2.0	–	–	–
ADMX 11T308SR-MM:M9340	✱	0.8	300	0.14	2.5	180	0.13	2.5	–	–	–	–	–	–	75	0.11	2.0	–	–	–
ADMX 11T312SR-MM:M6330	✱	1.2	235	0.14	2.5	165	0.13	2.5	–	–	–	–	–	–	70	0.11	2.0	–	–	–
ADMX 11T312SR-MM:M8340	✱	1.2	245	0.14	2.5	145	0.13	2.5	–	–	–	–	–	–	60	0.11	2.0	–	–	–

ADEX 11-FA

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
11T3	6.450	2.90	9.70	3.91



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.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
FA geometria con design altamente positivo per lavorazioni da leggere a medie.																				
ADEX 11T304FR-FA:HF7	●	0.4	–	–	–	–	–	–	–	–	–	■ 210	0.30	5.0	–	–	–	–	–	–
ADEX 11T304FR-FA:M0315	●	0.4	–	–	–	–	–	–	–	–	–	■ 480	0.30	5.0	–	–	–	–	–	–
ADEX 11T308FR-FA:HF7	●	0.8	–	–	–	–	–	–	–	–	–	■ 240	0.30	5.0	–	–	–	–	–	–
ADEX 11T308FR-FA:M0315	●	0.8	–	–	–	–	–	–	–	–	–	■ 570	0.30	5.0	–	–	–	–	–	–
ADEX 11T312FR-FA:HF7	●	1.2	–	–	–	–	–	–	–	–	–	■ 255	0.30	5.0	–	–	–	–	–	–
ADEX 11T316FR-FA:HF7	●	1.6	–	–	–	–	–	–	–	–	–	■ 270	0.18	5.0	–	–	–	–	–	–

a_e/DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	0.89	0.81	0.76	0.73	0.71	0.70	0.67	0.65	0.63	0.62	0.60	0.60	0.60	0.45

$a_{e\,max}$ / DC	1		2.5		5		7.5		10		15		20	
	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
25	0.25	0.40	0.16	0.26	0.12	0.19	0.10	0.15	0.09	0.14	0.07	0.12	0.07	0.11
32	0.28	0.45	0.18	0.29	0.13	0.21	0.11	0.17	0.09	0.15	0.08	0.13	0.07	0.12
40	0.32	0.51	0.20	0.32	0.14	0.23	0.12	0.19	0.10	0.17	0.09	0.14	0.08	0.13
50	0.35	0.57	0.23	0.36	0.16	0.26	0.13	0.21	0.12	0.19	0.10	0.15	0.09	0.14

$a_{e\,max}$ / DC	25		32		40		50	
	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
25	0.08	0.13	–	–	–	–	–	–
32	0.07	0.11	0.08	0.13	–	–	–	–
40	0.07	0.12	0.07	0.11	0.08	0.13	–	–
50	0.08	0.13	0.07	0.12	0.07	0.11	0.08	0.13

	ADMX 11-F		ADMX 11-M									ADMX 11-R		ADMX 11-MF		ADMX 11-MM			ADEX 11-FA			
RE	0.4	0.8	0.2	0.4	0.8	1.0	1.2	1.6	2.0	2.5	3.0	0.8	1.6	0.4	0.8	0.4	0.8	1.2	0.4	0.8	1.2	1.6
BS	1.89	1.48	2.09	1.89	1.48	1.27	1.08	0.68	1.61	1.13	0.66	1.48	0.68	1.89	1.48	1.89	1.48	1.08	1.77	1.39	1.0	0.62

ISO	DC		APMX	a_p
25J2R50B25-SAD11E38-C	25	2	38	34.5
32J2R60B32-SAD11E47-C	32	2	47	43.5
40J2R60B40-SAD11E47-C	40	2	47	43.5
40J3R70B32-SAD11E56-C	40	3	56	52.5
40J3R70B40-SAD11E56-C	40	3	56	52.5
25J2R55E03-SAD11E38-C	25	2	38	34.5
32J2R65E04-SAD11E47-C	32	2	47	43.5
40J3R75E04-SAD11E56-C	40	3	56	52.5
50T03R-S90AD11E37-C	50	3	37	33.5

ADMX/ADEX 11	R
ADMX 11T320SR-M	1.0
ADMX 11T325SR-M	1.8
ADMX 11T330SR-M	1.8

max

4.5

J(T)-SAD16E

PRAMET

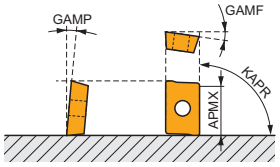
S

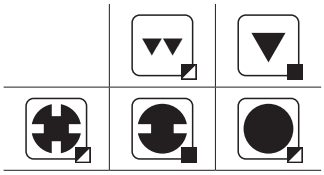
HELICAL AD16 Fresa per spallamento profondo con refrigerante interno

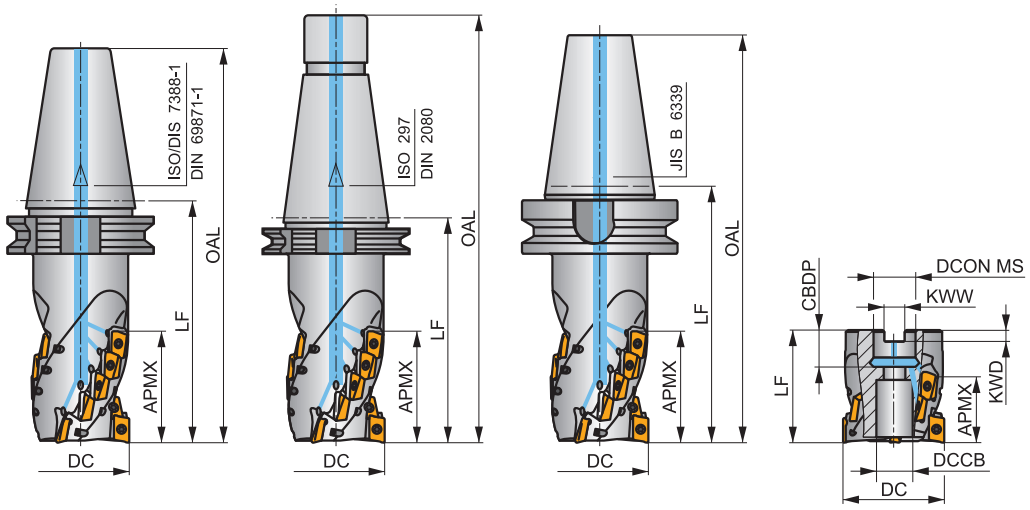
Fresa a 90° per spallamento profondo che utilizza inserti positivi AD .. 16 con APMX da 40 a 108 mm con refrigerante interno. Adatta per fresatura a spallamento, scanalatura, spianatura ed a tuffo. Disponibile con attacchi a manicotto, DIN 69871, BT e DIN 2080 , con o senza passo differenziato. Corpo trattato per una maggiore durata dell'utensile.

FORCE AD

KAPR	90°
APMX	40.0 - 108.0 mm







h_m	0.08 - 0.1
h_m	0.08 - 0.1

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LF (mm)	APMX (mm)	CBDP (mm)	CZC MS	GAMF (°)	GAMP (°)	NOF			max.		kg		
	50J3R100H50-SAD16E54-C	50	202	–	–	100	54.00	–	50	-6	12	3	12	–	13200	✓	4.08	GI282	SQ031
	50J3R140H50-SAD16E80-C	50	242	–	–	140	80.00	–	50	-6	12	3	18	–	13200	✓	4.38	GI282	SQ031
ISO/DIS 7388-1	63J3R140H50-SAD16E68-C	63	242	–	–	140	68.00	–	50	-6	12	3	15	–	11700	✓	5.34	GI282	SQ031
	63J3R155H50-SAD16E95-C	63	257	–	–	155	95.00	–	50	-6	12	3	21	–	11700	✓	5.43	GI282	SQ031
	80J4R165H50-SAD16E108-C	80	257	–	–	165	108.00	–	50	-6	12	4	32	✓	10400	✓	7.37	GI282	SQ031
	50J3R140G50-SAD16E80-C	50	267	–	–	140	80.00	–	50	-6	12	3	18	–	13200	✓	4.48	GI282	SQ031
ISO 297	63J3R155G50-SAD16E95-C	63	282	–	–	155	95.00	–	50	-6	12	3	21	–	11700	✓	5.52	GI282	SQ031
	80J4R165G50-SAD16E108-C	80	292	–	–	165	108.00	–	50	-6	12	4	32	✓	10400	✓	7.51	GI282	SQ031
	50J3R140X50-SAD16E68-C	50	242	–	–	140	68.00	–	50	-6	12	3	15	–	13200	✓	5.28	GI282	SQ031
JIS B 6339	63J3R155X50-SAD16E80-C	63	257	–	–	155	80.00	–	50	-6	12	3	18	–	11700	✓	6.19	GI282	SQ031
	80J4R165X50-SAD16E95-C	80	267	–	–	165	95.00	–	50	-6	12	4	28	✓	10400	✓	7.84	GI282	SQ031
	50T03R-S90AD16E40-C	50	–	22	18	70	40.00	21	–	-6	12	3	9	–	13200	✓	0.63	GI282	SQ913
	63T04R-S90AD16E40-C	63	–	27	22	70	40.00	22	–	-6	12	4	12	✓	11700	✓	1.14	GI282	SQ914
ISO 6462 DIN 8030	63T04R-S90AD16E68-C	63	–	27	22	100	68.00	22	–	-6	12	4	20	✓	11700	✓	1.86	GI282	SQ914
	80T04R-S90AD16E55-C	80	–	32	30	85	55.00	25	–	-6	12	4	16	✓	10400	✓	2.56	GI282	SQ915
	80T04R-S90AD16E80-C	80	–	32	30	115	80.00	25	–	-6	12	4	24	✓	10400	✓	3.17	GI282	SQ915
	100T05R-S90AD16E80-C	100	–	40	36	120	80.00	30	–	-6	12	5	30	✓	9300	✓	5.31	GI282	SQ916

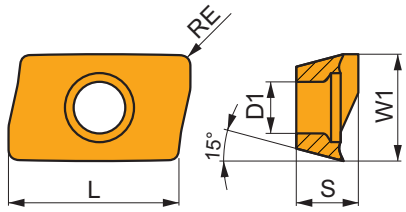
GI282	ADMX 1606..	ADEX 1606..-FA	ADEX 1606..-FM

		Nm					
SQ031	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	–
SQ913	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	HS 1030C
SQ914	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	HS 1230C
SQ915	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	HS 1630C
SQ916	US 4011-T15P	3.5	M 4	10.6	D-T08P/T15P	FG-15	HS 2040C

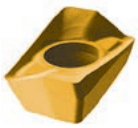
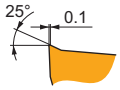
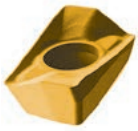
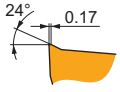
ADMX 16

PRAMET

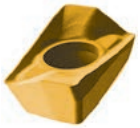
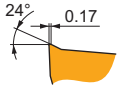
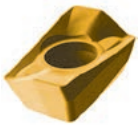
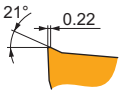
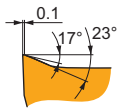
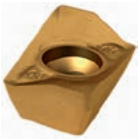
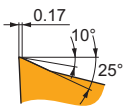
	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.950	4.50	16.00	6.25



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.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
			F geometria con design altamente positivo per lavorazioni da leggere a medie.																	
ADMX 160608SR-F:8215	●	0.8	290	0.10	2.0	170	0.09	2.0	275	0.10	2.0	870	0.12	2.0	70	0.07	1.6	–	–	–
ADMX 160608SR-F:M8310	●	0.8	320	0.10	2.0	160	0.09	2.0	300	0.10	2.0	–	–	–	–	–	–	–	–	–
ADMX 160608SR-F:M8330	●	0.8	285	0.10	2.0	170	0.09	2.0	270	0.10	2.0	855	0.12	2.0	70	0.07	1.6	–	–	–
ADMX 160608SR-F:M8340	●	0.8	260	0.10	2.0	155	0.09	2.0	245	0.10	2.0	–	–	–	65	0.07	1.6	–	–	–
ADMX 160608SR-F:M9340	●	0.8	340	0.10	2.0	200	0.09	2.0	–	–	–	–	–	–	85	0.07	1.6	–	–	–
																				
			M geometria con design positivo per lavorazioni da leggere a medie.																	
ADMX 160604SR-M:8215	●	0.4	190	0.18	5.0	110	0.16	5.0	180	0.18	5.0	–	–	–	45	0.13	4.0	–	–	–
ADMX 160604SR-M:M8330	●	0.4	190	0.18	5.0	110	0.16	5.0	180	0.18	5.0	–	–	–	45	0.13	4.0	–	–	–
ADMX 160604SR-M:M8340	●	0.4	170	0.18	5.0	100	0.16	5.0	160	0.18	5.0	–	–	–	40	0.13	4.0	–	–	–
ADMX 160608SR-M:8215	●	0.8	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	–	–	–	55	0.13	4.0	–	–	–
ADMX 160608SR-M:M5315	●	0.8	305	0.18	5.0	–	–	–	285	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160608SR-M:M8310	●	0.8	250	0.18	5.0	125	0.16	5.0	235	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160608SR-M:M8330	●	0.8	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	–	–	–	55	0.13	4.0	–	–	–
ADMX 160608SR-M:M8340	●	0.8	205	0.18	5.0	120	0.16	5.0	190	0.18	5.0	–	–	–	50	0.13	4.0	–	–	–
ADMX 160608SR-M:M9315	●	0.8	305	0.18	5.0	–	–	–	285	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160608SR-M:M9325	●	0.8	280	0.18	5.0	–	–	–	265	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160608SR-M:M9340	●	0.8	255	0.18	5.0	150	0.16	5.0	–	–	–	–	–	–	60	0.13	4.0	–	–	–
ADMX 160616SR-M:8215	●	1.6	250	0.18	5.0	150	0.16	5.0	235	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
ADMX 160616SR-M:M8310	●	1.6	275	0.18	5.0	140	0.16	5.0	260	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160616SR-M:M8330	✱	1.6	250	0.18	5.0	150	0.16	5.0	235	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
ADMX 160616SR-M:M8340	✱	1.6	225	0.18	5.0	135	0.16	5.0	210	0.18	5.0	–	–	–	55	0.13	4.0	–	–	–
ADMX 160616SR-M:M9325	●	1.6	310	0.18	5.0	–	–	–	290	0.18	5.0	–	–	–	–	–	–	–	–	–
ADMX 160620SR-M:M8330	✱	2.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	–	–	–	65	0.13	4.0	–	–	–
ADMX 160620SR-M:M8340	✱	2.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
ADMX 160630SR-M:M8330	✱	3.0	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	–	–	–	65	0.13	4.0	–	–	–
ADMX 160630SR-M:M8340	✱	3.0	240	0.18	5.0	140	0.16	5.0	225	0.18	5.0	–	–	–	60	0.13	4.0	–	–	–
ADMX 160632SR-M:M6330	✱	3.2	225	0.18	5.0	155	0.16	5.0	–	–	–	–	–	–	65	0.13	4.0	–	–	–
ADMX 160632SR-M:M8330	✱	3.2	265	0.18	5.0	155	0.16	5.0	250	0.18	5.0	–	–	–	65	0.13	4.0	–	–	–

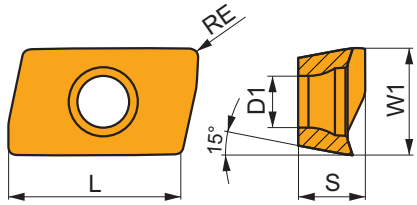
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto		RE	P			M			K			N			S			H		
			vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)	vc (m/min)	f (mm/tooth)	ap (mm)
																				
M geometria con design positivo per lavorazioni da leggere a medie.																				
ADMX 160632SR-M:M8340	✱	3.2	■	240	0.18	5.0	■	140	0.16	5.0	◪	225	0.18	5.0	–	–	–	◪	60	0.13	4.0	–	–	–
ADMX 160632SR-M:M9325	✱	3.2	■	325	0.18	5.0		–	–	–	■	305	0.18	5.0	–	–	–		–	–	–	–	–	–
ADMX 160640SR-M:M8330	✱	4.0	■	265	0.18	5.0	■	155	0.16	5.0	■	250	0.18	5.0	–	–	–	◪	65	0.13	4.0	–	–	–
ADMX 160640SR-M:M8340	✱	4.0	■	240	0.18	5.0	■	140	0.16	5.0	◪	225	0.18	5.0	–	–	–	◪	60	0.13	4.0	–	–	–
ADMX 160650SR-M:M8330	✱	5.0	■	265	0.18	5.0	■	155	0.16	5.0	■	250	0.18	5.0	–	–	–	◪	65	0.13	4.0	–	–	–
ADMX 160650SR-M:M8340	✱	5.0	■	240	0.18	5.0	■	140	0.16	5.0	◪	225	0.18	5.0	–	–	–	◪	60	0.13	4.0	–	–	–
																				
R geometria con design positivo per lavorazioni da medie a leggermente instabili.																				
ADMX 160608PR-R:8215	✱	0.8	■	205	0.25	6.0	◪	120	0.23	6.0	■	190	0.25	6.0	–	–	–	◪	50	0.20	4.8	◪	40	0.16	1.1
ADMX 160608PR-R:M5315	✱	0.8	◪	260	0.25	6.0		–	–	–	■	245	0.25	6.0	–	–	–		–	–	–	◪	50	0.16	1.1
ADMX 160608PR-R:M8310	✱	0.8	■	220	0.25	6.0	◪	110	0.23	6.0	■	205	0.25	6.0	–	–	–		–	–	–	◪	40	0.16	1.1
ADMX 160608PR-R:M8330	✱	0.8	■	205	0.25	6.0	◪	120	0.23	6.0	■	190	0.25	6.0	–	–	–	◪	50	0.20	4.8	◪	40	0.16	1.1
ADMX 160608PR-R:M8340	✱	0.8	■	190	0.25	6.0	◪	110	0.23	6.0	◪	180	0.25	6.0	–	–	–	◪	45	0.20	4.8		–	–	–
ADMX 160608PR-R:M9315	✱	0.8	■	265	0.25	6.0		–	–	–	■	250	0.25	6.0	–	–	–		–	–	–	◪	50	0.16	1.1
ADMX 160608PR-R:M9325	✱	0.8	■	250	0.25	6.0		–	–	–	■	235	0.25	6.0	–	–	–		–	–	–	◪	50	0.16	1.1
ADMX 160616PR-R:M8330	✱	1.6	■	225	0.25	6.0	◪	135	0.23	6.0	■	210	0.25	6.0	–	–	–	◪	55	0.20	4.8	◪	45	0.16	1.1
ADMX 160616PR-R:M8340	✱	1.6	■	210	0.25	6.0	◪	125	0.23	6.0	◪	195	0.25	6.0	–	–	–	◪	50	0.20	4.8		–	–	–
ADMX 160616PR-R:M9315	✱	1.6	■	295	0.25	6.0		–	–	–	■	280	0.25	6.0	–	–	–		–	–	–	◪	55	0.16	1.1
																				
MF geometria con design altamente positivo per lavorazioni di finitura.																				
ADMX 160608SR-MF:M6330	✱	0.8	■	215	0.08	4.0	■	150	0.07	4.0		–	–	–	–	–	–	■	60	0.06	3.2	–	–	–
ADMX 160608SR-MF:M8340	✱	0.8	■	225	0.08	4.0	■	135	0.07	4.0		–	–	–	–	–	–	■	55	0.06	3.2	–	–	–
ADMX 160608SR-MF:M9340	✱	0.8	■	305	0.08	4.0	■	180	0.07	4.0		–	–	–	–	–	–	■	75	0.06	3.2	–	–	–
																				
MM geometria con design altamente positivo per lavorazioni da leggere a medie.																				
ADMX 160604SR-MM:M6330	✱	0.4	■	145	0.18	4.0	■	105	0.16	4.0		–	–	–	–	–	–	■	40	0.14	3.2	–	–	–
ADMX 160604SR-MM:M8340	✱	0.4	■	160	0.18	4.0	■	95	0.16	4.0		–	–	–	–	–	–	■	40	0.14	3.2	–	–	–
ADMX 160608SR-MM:M6330	✱	0.8	■	175	0.18	4.0	■	125	0.16	4.0		–	–	–	–	–	–	■	50	0.14	3.2	–	–	–
ADMX 160608SR-MM:M8340	✱	0.8	■	190	0.18	4.0	■	110	0.16	4.0		–	–	–	–	–	–	■	45	0.14	3.2	–	–	–
ADMX 160608SR-MM:M8345	✱	0.8	■	150	0.18	4.0	■	90	0.16	4.0		–	–	–	–	–	–	■	35	0.14	3.2	–	–	–
ADMX 160608SR-MM:M9340	✱	0.8	■	235	0.18	4.0	■	140	0.16	4.0		–	–	–	–	–	–	■	55	0.14	3.2	–	–	–
ADMX 160616SR-MM:M6330	✱	1.6	■	195	0.18	4.0	■	140	0.16	4.0		–	–	–	–	–	–	■	55	0.14	3.2	–	–	–
ADMX 160616SR-MM:M8340	✱	1.6	■	210	0.18	4.0	■	125	0.16	4.0		–	–	–	–	–	–	■	50	0.14	3.2	–	–	–
ADMX 160616SR-MM:M8345	✱	1.6	■	165	0.18	4.0	■	95	0.16	4.0		–	–	–	–	–	–	■	40	0.14	3.2	–	–	–
ADMX 160616SR-MM:M9340	✱	1.6	■	260	0.18	4.0	■	155	0.16	4.0		–	–	–	–	–	–	■	65	0.14	3.2	–	–	–

ADEX 16

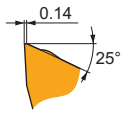
PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.950	4.50	16.00	6.25



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.

Codice prodotto	RE	P			M			K			N			S			H		
		vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
ADEX 160608SR-FM:8215	0.8	260	0.16	2.0	155	0.14	2.0	245	0.16	2.0	–	–	–	65	0.11	1.6	–	–	–
ADEX 160608SR-FM:M8330	0.8	255	0.16	2.0	150	0.14	2.0	240	0.16	2.0	–	–	–	60	0.11	1.6	–	–	–
ADEX 160608SR-FM:M8340	0.8	235	0.16	2.0	140	0.14	2.0	220	0.16	2.0	–	–	–	55	0.11	1.6	–	–	–

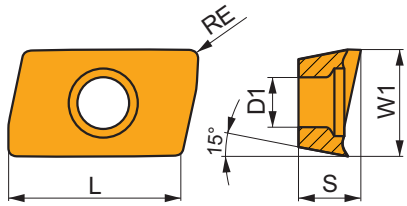


FM geometria con design altamente positivo per lavorazioni medie.

ADEX 16-FA

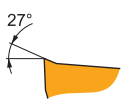
PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1606	9.950	4.50	16.00	6.17



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.

Codice prodotto	RE	P			M			K			N			S			H		
		vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
ADEX 160604FR-FA:HF7	0.4	–	–	–	–	–	–	–	–	–	195	0.28	6.0	–	–	–	–	–	–
ADEX 160604FR-FA:M0315	0.4	–	–	–	–	–	–	–	–	–	480	0.28	6.0	–	–	–	–	–	–
ADEX 160608FR-FA:HF7	0.8	–	–	–	–	–	–	–	–	–	240	0.28	6.0	–	–	–	–	–	–
ADEX 160608FR-FA:M0315	0.8	–	–	–	–	–	–	–	–	–	570	0.28	6.0	–	–	–	–	–	–
ADEX 160616FR-FA:HF7	1.6	–	–	–	–	–	–	–	–	–	255	0.28	6.0	–	–	–	–	–	–
ADEX 160616FR-FA:M0315	1.6	–	–	–	–	–	–	–	–	–	630	0.28	6.0	–	–	–	–	–	–
ADEX 160630FR-FA:HF7	3.0	–	–	–	–	–	–	–	–	–	270	0.28	6.0	–	–	–	–	–	–



FA geometria con design altamente positivo per lavorazioni da leggere a medie.

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	0.89	0.81	0.76	0.73	0.71	0.70	0.66	0.65	0.63	0.62	0.60	0.60	0.60	0.45

$a_{e\,max}$	1		2.5		5		7.5		10		15		20	
DC	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
50	0.57	0.71	0.36	0.45	0.26	0.32	0.21	0.27	0.19	0.23	0.15	0.19	0.14	0.17
63	0.64	0.80	0.40	0.51	0.29	0.36	0.24	0.30	0.21	0.26	0.17	0.21	0.15	0.19
80	0.72	0.90	0.45	0.57	0.32	0.40	0.27	0.33	0.23	0.29	0.19	0.24	0.17	0.21
100	0.80	1.00	0.51	0.64	0.36	0.45	0.30	0.37	0.26	0.32	0.21	0.27	0.19	0.23

$a_{e\,max}$	25		32		40		50		63		80		100	
DC	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹	f_{min} ⇨	f_{max} ⟹
50	0.13	0.16	0.12	0.14	0.11	0.14	0.13	0.16	–	–	–	–	–	–
63	0.14	0.17	0.12	0.16	0.12	0.15	0.11	0.14	0.13	0.16	–	–	–	–
80	0.15	0.19	0.14	0.17	0.13	0.16	0.12	0.15	0.11	0.14	0.13	0.16	–	–
100	0.17	0.21	0.15	0.19	0.14	0.17	0.13	0.16	0.12	0.15	0.11	0.14	0.13	0.16

	ADMX 16-F	ADEX 16-FM	ADMX 16-M								ADMX 16-R	
RE	0.8	0.8	0.4	0.8	1.6	2.0	3.0	3.2	4.0	5.0	0.8	1.6
BS	2.99	2.18	3.39	2.99	1.62	1.23	0.28	0.09	2.69	1.52	2.99	1.62

	ADMX 16-MF	ADMX 16-MM			ADEX 16-FA			
RE	0.8	0.4	0.8	1.6	0.4	0.8	1.6	3.0
BS	2.99	3.39	2.99	1.62	2.84	2.44	1.65	0.69

ISO	DC		APMX	a_p
50J3R100H50-SAD16E54-C	50	3	54	50.5
50J3R140H50-SAD16E80-C	50	3	80	76.5
63J3R140H50-SAD16E68-C	63	3	68	64.5
63J3R155H50-SAD16E95-C	63	3	95	91.5
80J4R165H50-SAD16E108-C	80	4	108	104.5
50J3R140G50-SAD16E80-C	50	3	80	76.5
63J3R155G50-SAD16E95-C	63	3	95	91.5
80J4R165G50-SAD16E108-C	80	4	108	104.5
50J3R140X50-SAD16E68-C	50	3	68	64.5
63J3R155X50-SAD16E80-C	63	3	80	76.5
80J4R165X50-SAD16E95-C	80	4	95	91.5
50T03R-S90AD16E40-C	50	3	40	36.5
63T04R-S90AD16E40-C	63	4	40	36.5
63T04R-S90AD16E68-C	63	4	68	64.5
80T04R-S90AD16E55-C	80	4	55	51.5
80T04R-S90AD16E80-C	80	4	80	76.5
100T05R-S90AD16E80-C	100	5	80	76.5

max
7.5

ADMX/ADEX 16	R
ADMX 160630SR-M	2.5
ADMX 160632SR-M	2.5
ADMX 160640SR-M	4.0
ADMX 160650SR-M	4.5

J(T)-SSAP

P M K S

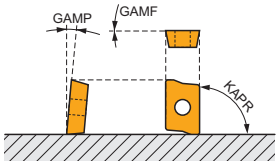
PRAMET

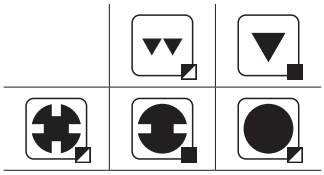
S

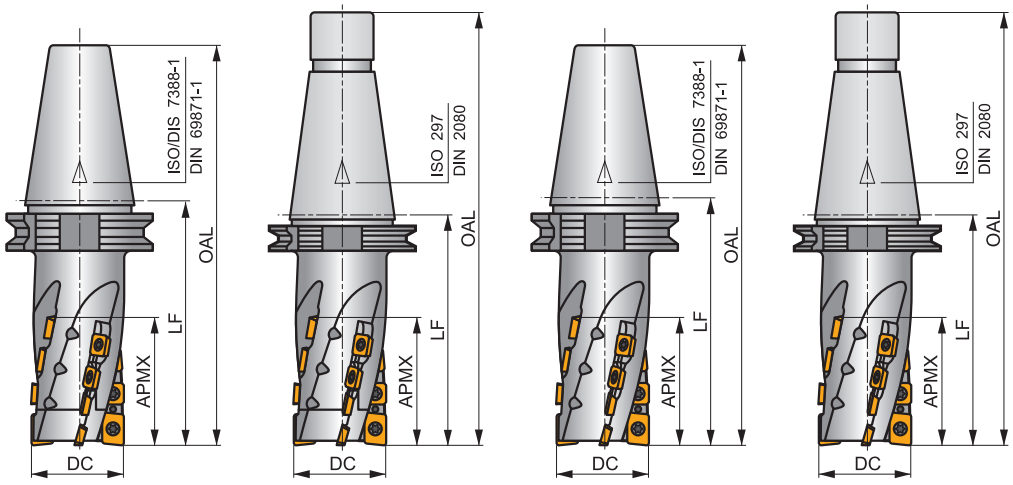
Fresa a spallamento profondo per applicazioni medie con inserti AP .. 15 e SP .. 12

Fresa a 90° per spallamento profondo che utilizza inserti AP .. 15 e SP .. 12 con APMX da 58 a 95 mm. Il corpo ha una parte terminale intercambiabile. Adatta per fresatura di spallamenti, cave, spianatura ed a tuffo. Disponibile con attacco monoblocco cono ISO50 DIN 69871 e DIN 2080 . Corpo trattato per una maggiore durata dell'utensile.

KAPR	90°
APMX	58.0 - 95.0 mm







h_m 0.07 - 0.1

	Codice prodotto	DC (mm)	OAL (mm)	APMX (mm)	LF (mm)	GAMF (°)	GAMP (°)	CZCMS	NOF	AP	SP		max.		kg		
ISO/DIS 7388-1	**50J4R128H50-SSAP55+21**	50	230	76.00	128	0	7	50	4	2	16	–	9500	–	3.80	GI128	SQ942
	63J4R150H50-SSAP74+21	63	252	95.00	150	0	7	50	4	2	20	–	8500	–	4.50	GI128	SQ943
ISO 297	**50J4R124X50-SSAP55+21**	50	251	76.00	124	0	7	50	4	2	16	–	9500	–	4.43	GI128	SQ942
	63J4R146X50-SSAP74+21	63	273	95.00	146	0	7	50	4	2	20	–	8500	–	4.75	GI128	SQ943
ISO/DIS 7388-1	**63J4R150H50-SSAP95-A**	63	252	95.00	150	0	7	50	4	2	20	–	8500	–	5.32	GI128	SQ941
	80J6R155H50-SSAP95-A	80	257	95.00	155	0	7	50	6	3	30	–	7500	–	6.30	GI128	SQ941
ISO 297	**50J4R124X50-SSAP76-A**	50	251	76.00	124	0	7	50	4	2	16	–	9500	–	3.80	GI128	SQ941
	63J4R146X50-SSAP95-A	63	273	95.00	146	0	7	50	4	2	20	–	8500	–	4.50	GI128	SQ941
	80J6R151X50-SSAP95-A	80	275	95.00	151	0	7	50	6	3	30	–	7500	–	6.20	GI128	SQ941

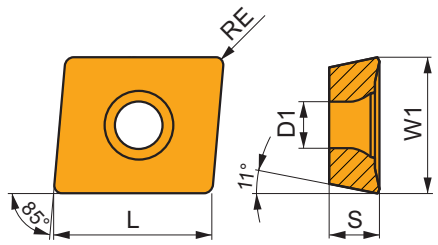
GI128	APE. 1504..	SPE. 1204..

					Nm			
SQ941	–	–	–	US 4511-T20	5.0	M 4.5	11	SDR T20-T
SQ942	P50X21	SR 25	HXK 6	US 4511-T20	5.0	M 4.5	11	SDR T20-T
SQ943	P63X21	SR 26	HXK 8	US 4511-T20	5.0	M 4.5	11	SDR T20-T

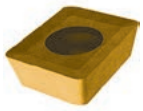
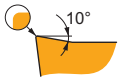
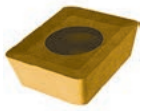
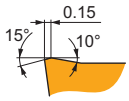
APET 15

PRAMET

	W1	D1	L	S
	(mm)	(mm)	(mm)	(mm)
1504	12.700	5.50	15.90	4.76



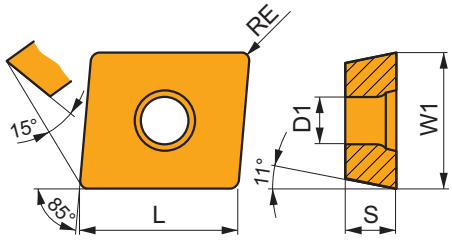
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
  																			
EN preparazione del tagliente geometria positiva per lavorazioni da leggere a medie.																			
APET 150412EN:M8330	1.2	225	0.20	12.0	135	0.18	12.0	210	0.20	12.0	–	–	–	55	0.14	9.6	–	–	–
  																			
SN preparazione del tagliente geometria positiva per lavorazioni da medie a pesanti.																			
APET 150412SN:M8330	1.2	215	0.25	12.0	125	0.23	12.0	200	0.25	12.0	–	–	–	50	0.25	9.6	–	–	–
APET 150412SN:M8340	1.2	190	0.25	12.0	110	0.23	12.0	180	0.25	12.0	–	–	–	45	0.25	9.6	–	–	–

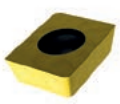
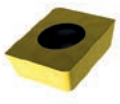
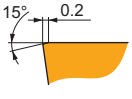
APEW 15

PRAMET

	W1	D1	L	M	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1504	12.700	5.50	15.90	3.7	4.76



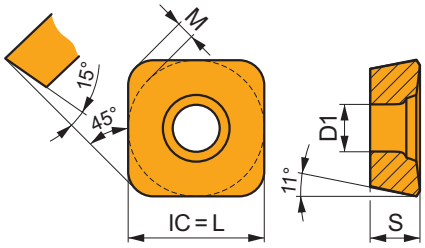
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
  																			
ER preparazione del tagliente geometria con angolo di spoglia superiore del tagliente a zero gradi per lavorazioni da leggere a medie.																			
APEW 150412ER:M8330	1.2	200	0.20	12.0	–	–	–	190	0.20	12.0	–	–	–	–	–	–	40	0.13	1.0
  																			
SR preparazione del tagliente geometria con angolo di spoglia superiore del tagliente a zero gradi per lavorazioni da medie a pesanti.																			
APEW 150412SR:M8330	1.2	200	0.20	12.0	–	–	–	190	0.20	12.0	–	–	–	–	–	–	40	0.13	1.0

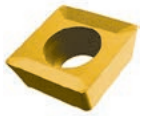
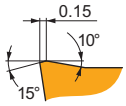
SPET 12

PRAMET

	IC	D1	L	M	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1204	12.700	5.50	12.70	1.9	4.76



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.

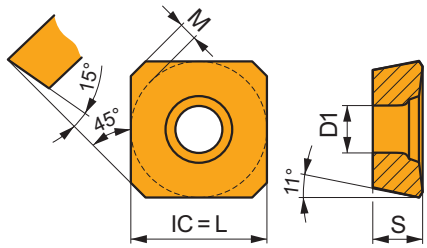
Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
SPET 120408S:M8330	●	0.8	215	0.20	12.0	125	0.18	12.0	200	0.20	12.0	–	–	–	50	0.18	9.6	–	–	–
SPET 120408S:M8340	●	0.8	190	0.20	12.0	110	0.18	12.0	180	0.20	12.0	–	–	–	45	0.18	9.6	–	–	–

S preparazione del tagliente geometria positiva per applicazioni generiche.

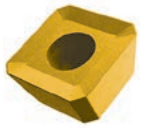
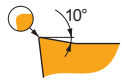
SPET 12 AD

PRAMET

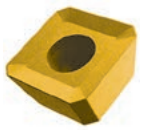
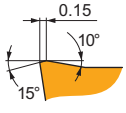
	IC	D1	L	M	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1204	12.700	5.50	12.70	1.9	4.76



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.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
SPET 1204ADEN:M8330	●	–	245	0.20	12.0	145	0.18	12.0	230	0.20	12.0	–	–	–	60	0.14	9.6	–	–	–
SPET 1204ADEN:M8340	●	–	220	0.20	12.0	130	0.18	12.0	205	0.20	12.0	–	–	–	55	0.14	9.6	–	–	–

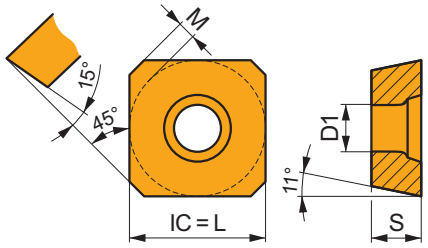
ADEN preparazione del tagliente geometria positiva per lavorazioni da leggere a medie.

																				
SPET 1204ADSN:M8330	●	–	245	0.20	12.0	145	0.18	12.0	230	0.20	12.0	–	–	–	60	0.14	9.6	–	–	–
SPET 1204ADSN:M8340	✱	–	220	0.20	12.0	130	0.18	12.0	205	0.20	12.0	–	–	–	55	0.14	9.6	–	–	–

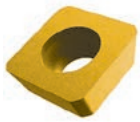
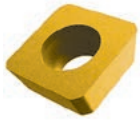
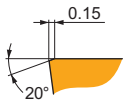
ADSN preparazione del tagliente geometria positiva per lavorazioni medie.

SPEW 12 AD

	IC	D1	L	M	S
	(mm)	(mm)	(mm)	(mm)	(mm)
1204	12.700	5.50	12.70	1.9	4.76



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.

Codice prodotto		RE	P			M			K			N			S			H		
			vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
		(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)
																				
SPEW 1204ADEN:M8330		–	220	0.20	12.0	–	–	–	205	0.20	12.0	–	–	–	–	–	–	40	0.10	1.0
																				
SPEW 1204ADSN:M8330		–	220	0.20	12.0	–	–	–	205	0.20	12.0	–	–	–	–	–	–	40	0.13	1.0

ADEN preparazione del tagliente geometria con angolo di spoglia superiore del tagliente a zero gradi per lavorazioni da leggere a medie.

ADSN preparazione del tagliente geometria con angolo di spoglia superiore del tagliente a zero gradi per lavorazioni medie.

a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	0.89	0.81	0.76	0.73	0.71	0.70	0.67	0.65	0.63	0.62	0.60	0.60	0.60	0.45

$a_{e\,max}$	1		2.5		5		7.5		10		15		20	
DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
50	0.50	0.71	0.32	0.45	0.23	0.32	0.19	0.27	0.16	0.23	0.14	0.19	0.12	0.17
63	0.56	0.80	0.35	0.51	0.25	0.36	0.21	0.30	0.18	0.26	0.15	0.21	0.13	0.19
80	0.63	0.90	0.40	0.57	0.28	0.40	0.23	0.33	0.20	0.29	0.17	0.24	0.15	0.21

$a_{e\,max}$	25		32		40		50		63		80	
DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
50	0.11	0.16	0.10	0.14	0.10	0.14	0.11	0.16	–	–	–	–
63	0.12	0.17	0.11	0.16	0.10	0.15	0.10	0.14	0.11	0.16	–	–
80	0.13	0.19	0.12	0.17	0.11	0.16	0.10	0.15	0.10	0.14	0.11	0.16

	APET 15	APEW 15	SPET 12	SPET 12AD	SPEW 12AD
RE	1.2	1.2	0.8	–	–
BS	–	–	–	–	–

ISO	DC		APMX	a_p
50J4R128H50-SSAP55+21	50	2+2	76	73.6
63J4R150H50-SSAP74+21	63	2+2	95	92.6
50J4R124X50-SSAP55+21	50	2+2	76	73.6
63J4R146X50-SSAP74+21	63	2+2	95	92.6
63J4R150H50-SSAP95-A	63	2+2	95	92.6
80J6R155H50-SSAP95-A	80	3+3	95	92.6
50J4R124X50-SSAP76-A	50	2+2	76	73.6
63J4R146X50-SSAP95-A	63	2+2	95	92.6
80J6R151X50-SSAP95-A	80	3+3	95	92.6

J(T)-CSD12X

P M S

PRAMET

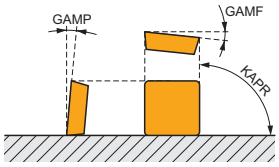
C

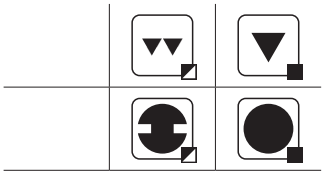
MULTISIDE SD Fresa per spallamento profondo

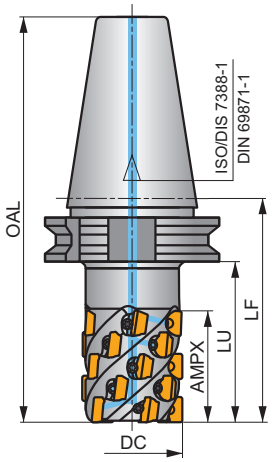
Fresa 90° per spallamento profondo che utilizza inserti positivi SD.. 12 con APMX da 44.1 a 87.3 mm. Adatta per spallamento, cave o spianatura. Disponibile con attacchi cono Morse, DIN 69871, PSC a cambio rapido ed a manicotto. Corpo trattato per una maggiore durata dell'utensile.

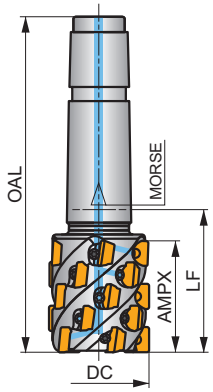
MULTISIDE SD

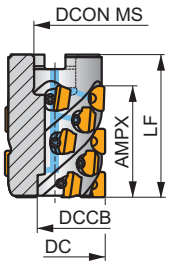
KAPR	90°
APMX	44.1 - 87.3 mm











h_m	0.025 - 0.05
h_m	0.025 - 0.05

	Codice prodotto	DC (mm)	OAL (mm)	DCON MS (mm)	DCCB (mm)	LU (mm)	LF (mm)	APMX (mm)	GAMF (°)	GAMP (°)	CZC MS	NOF			max.		kg		
ISO/DIS 7388-1	**40J4R090H40-CSD12X44**	40	158.4	–	–	70	90	44.10	-5	8	40	4	16	–	4000	✓	1.16	GI271	SQ091
	50J5R100H50-CSD12X55	50	201.7	–	–	80	100	54.90	-5	8	50	5	25	–	3200	✓	4.20	GI271	SQ091
	63J6R110H50-CSD12X66	63	211.7	–	–	90	110	65.70	-5	8	50	6	36	–	2500	✓	4.90	GI271	SQ091
DIN 228A	**50J5R065E04-CSD12X55**	50	167.5	–	–	–	65	54.90	-5	8	4	5	25	–	3200	✓	1.34	GI271	SQ091
ISO 6462 DIN 8030	**50T05R-C90SD12X55**	50	–	22	18	–	78	54.90	-5	8	–	5	25	–	3200	✓	1.21	GI271	SQ923
	63T06R-C90SD12X66	63	–	27	22	–	90	65.70	-5	8	–	6	36	–	2500	✓	1.72	GI271	SQ924
	80T08R-C90SD12X88	80	–	40	36	–	115	87.30	-5	8	–	8	64	–	2000	✓	3.20	GI271	SQ925

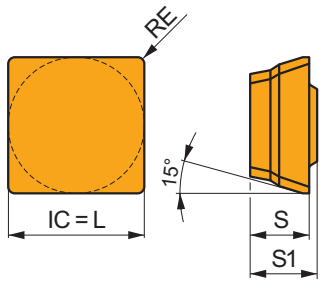
GI271	SDGX 1205..	SDMX 1205..

		Nm					
SQ091	US 63511D-T15P	3.0	M 3.5	11	D-T08P/T15P	FG-15	–
SQ923	US 63511D-T15P	3.0	M 3.5	11	D-T08P/T15P	FG-15	HSD 1070
SQ924	US 63511D-T15P	3.0	M 3.5	11	D-T08P/T15P	FG-15	HS 1280
SQ925	US 63511D-T15P	3.0	M 3.5	11	D-T08P/T15P	FG-15	HS 20100

SDGX 12

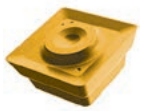
PRAMET

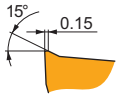
	IC	L	S	S1
	(mm)	(mm)	(mm)	(mm)
1205	12.700	12.70	5.56	6.35



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.

Codice prodotto	RE	P			M			K			N			S			H		
		vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)





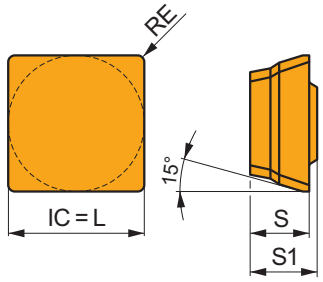
FM geometria con design positivo per lavorazioni da leggere a medio pesanti.

SDGX 120508EN-FM:M8330	0.8	220	0.15	12.0	130	0.14	12.0	–	–	–	–	–	–	55	0.11	9.6	–	–	–
SDGX 120508EN-FM:M8345	0.8	155	0.15	12.0	90	0.14	12.0	–	–	–	–	–	–	35	0.11	9.6	–	–	–

SDMX 12

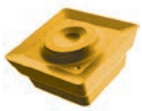
PRAMET

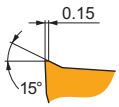
	IC	L	S	S1
	(mm)	(mm)	(mm)	(mm)
1205	12.700	12.70	5.56	6.35



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.

Codice prodotto	RE	P			M			K			N			S			H		
		vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap	vc	f	ap
	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)	(m/min)	(mm/tooth)	(mm)





M geometria con design positivo per lavorazioni da leggere a pesanti.

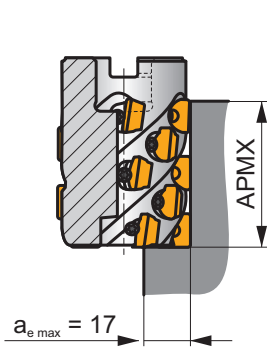
SDMX 120508EN-M:M8330	0.8	220	0.15	12.0	130	0.14	12.0	–	–	–	–	–	–	55	0.11	9.6	–	–	–
SDMX 120508EN-M:M8345	0.8	155	0.15	12.0	90	0.14	12.0	–	–	–	–	–	–	35	0.11	9.6	–	–	–

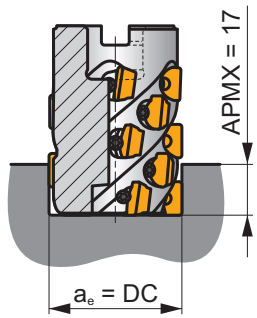
a_e/DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	0.89	0.81	0.76	0.73	0.71	0.70	0.66	0.65	0.63	0.62	0.60	0.60	0.60	0.45

$a_{e\,max}$	1		2.5		5		7.5		10		15		20	
DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
40	0.16	0.32	0.10	0.20	0.07	0.14	0.06	0.12	0.05	0.10	0.04	0.09	0.04	0.08
50	0.18	0.35	0.11	0.23	0.08	0.16	0.07	0.13	0.06	0.12	0.05	0.10	0.04	0.09
63	0.20	0.40	0.13	0.25	0.09	0.18	0.07	0.15	0.06	0.13	0.05	0.11	0.05	0.09
80	0.22	0.45	0.14	0.28	0.10	0.20	0.08	0.17	0.07	0.14	0.06	0.12	0.05	0.10

$a_{e\,max}$	25		32		40		50		63		80	
DC	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨	f_{min} ⇨	f_{max} ⇨
40	0.04	0.07	0.03	0.07	0.04	0.08	–	–	–	–	–	–
50	0.04	0.08	0.04	0.07	0.03	0.07	0.04	0.08	–	–	–	–
63	0.04	0.09	0.04	0.08	0.04	0.07	0.03	0.07	0.04	0.08	–	–
80	0.05	0.09	0.04	0.09	0.04	0.08	0.04	0.07	0.03	0.07	0.04	0.08

	SDGX 12-FM	SDMX 12-M
RE	0.8	0.8
BS	2.99	2.99





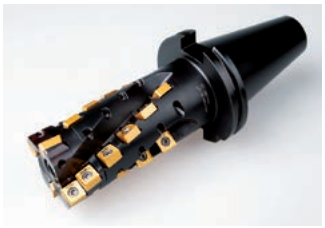
ISO	DC		APMX	a_p
40J4R090H40-CSD12X44	40	4	44.1	42.5
50J5R100H50-CSD12X55	50	5	54.9	53.3
63J6R110H50-CSD12X66	63	6	65.7	64.1
80J8R130H50-CSD12X88	80	8	87.3	85.7
40J4R080XC5-CSD12X44	40	4	44.1	42.5
50J5R080XC5-CSD12X55	50	5	54.9	53.3
63J6R095XC6-CSD12X66	63	6	65.7	64.1
50J5R065E04-CSD12X55	50	5	54.9	53.3
50T05R-C90SD12X55	50	5	54.9	53.3
63T06R-C90SD12X66	63	6	65.7	64.1
80T08R-C90SD12X88	80	8	87.3	85.7

J(T)-SLSN

P K

PRAMET

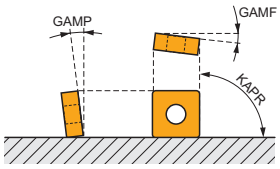
S

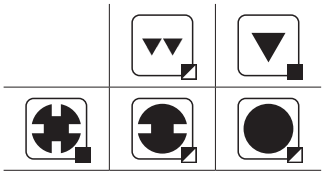


FRESA ROUGH SN a spallamento profondo per fresatura pesante con refrigerante interno

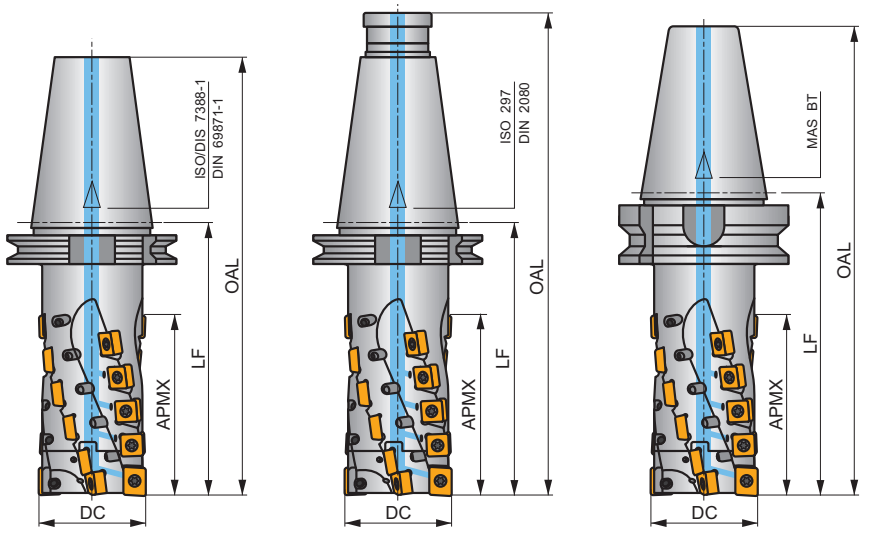
Fresa a 90° per spallamento profondo che utilizza inserti LNET 16 e SN .. 13 con APMX da 104 a 134 mm. Il corpo ha una parte terminale intercambiabile. Adatta per fresatura a spallamento, cave, spianatura ed a tuffo. Disponibile con attacco monoblocco cono ISO50 DIN 69871, BT e DIN 2080 . Corpo trattato per una maggiore durata dell'utensile.

KAPR	90°
APMX	104.0 - 134.0 mm





ROUGH SN



h_m 0.08 - 0.22

	Codice prodotto	DC	OAL	APMX	LF	GAMF	GAMP	CZCMS	NOF	LN	SN		max.		kg		
		(mm)	(mm)	(mm)	(mm)	(°)	(°)										
ISO/DIS 7388-1	**63J2R155H50-SLSN104-C**	63	257	104.00	155	-9	-10	50	4	2	20	–	8500	✓	5.03	GI209	SQ934
	80J2R190H50-SLSN134-C	80	292	134.00	190	-9	-10	50	4	2	26	–	7500	✓	7.45	GI209	SQ935
ISO 297	**63J2R155G50-SLSN104-C**	63	282	104.00	155	-9	-10	50	4	2	20	–	8500	✓	5.20	GI209	SQ934
	80J2R190G50-SLSN134-C	80	317	134.00	190	-9	-10	50	4	2	26	–	7500	✓	7.40	GI209	SQ935
JIS B 6339	**63J2R175X50-SLSN104-C**	63	277	104.00	175	-9	-10	50	4	2	20	–	8500	✓	6.10	GI209	SQ934
	80J2R210X50-SLSN134-C	80	312	134.00	210	-9	-10	50	4	2	26	–	7500	✓	8.50	GI209	SQ935

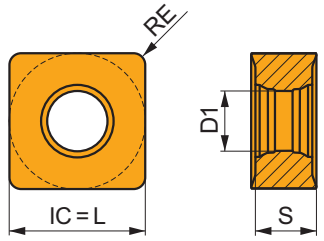
GI209	LNET 1606..	SN.. 1305..

SQ934	EH6326-SL-C	HS 1230	HXK 10	US 45012-T20P	5.0	M 5	12	SDR T20P-T
SQ935	EH8036-SL-C	HS 1640	HXK 14	US 45012-T20P	5.0	M 5	12	SDR T20P-T

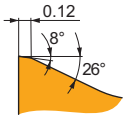
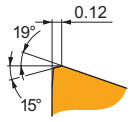
SNGX 13

PRAMET

	IC (mm)	D1 (mm)	S (mm)
1305	13.200	5.90	5.96



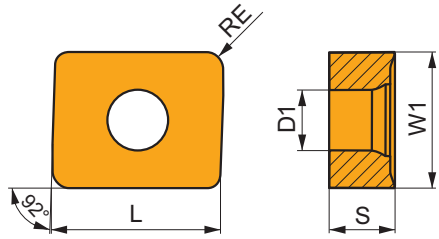
Idoneità e valori iniziali per velocità di taglio (Vc), avanzamento (f) e profondità di taglio (ap). Fare riferimento alla nostra App Machining Calculator per ulteriori calcoli.

Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
		**M** geometria con design positivo per lavorazioni leggere.																	
SNGX 130512SN-M:M8330	1.2	105	0.15	12.0	–	–	–	95	0.15	12.0	–	–	–	–	–	–	–	–	–
SNGX 130512SN-M:M8340	1.2	105	0.15	12.0	–	–	–	95	0.15	12.0	–	–	–	–	–	–	–	–	–
		**R** geometria con design positivo adatta per lavorazioni di sgrossatura e condizioni instabili.																	
SNGX 130512PN-R:M8330	1.2	95	0.15	12.0	–	–	–	90	0.15	12.0	–	–	–	–	–	–	–	–	–
SNGX 130512PN-R:M8340	1.2	95	0.15	12.0	–	–	–	90	0.15	12.0	–	–	–	–	–	–	–	–	–

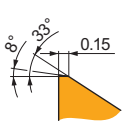
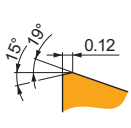
LNET 16

PRAMET

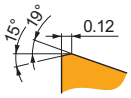
	W1 (mm)	D1 (mm)	L (mm)	S (mm)
1606	13.200	5.90	16.40	6.38



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.

Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
		**M** geometria con design altamente positivo per lavorazioni medie.																	
LNET 160616SR-M:M8340	1.6	105	0.15	15.0	–	–	–	95	0.15	15.0	–	–	–	–	–	–	–	–	–
		**R** geometria con design altamente positivo per lavorazioni medie.																	
LNET 160616SR-R:M8330	1.6	100	0.15	15.0	–	–	–	95	0.15	15.0	–	–	–	–	–	–	–	–	–

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.

Codice prodotto	RE (mm)	P vc (m/min)	P f (mm/tooth)	P ap (mm)	M vc (m/min)	M f (mm/tooth)	M ap (mm)	K vc (m/min)	K f (mm/tooth)	K ap (mm)	N vc (m/min)	N f (mm/tooth)	N ap (mm)	S vc (m/min)	S f (mm/tooth)	S ap (mm)	H vc (m/min)	H f (mm/tooth)	H ap (mm)
																			
LNET 160616SR-R:M8340	1.6	95	0.15	15.0	–	–	–	90	0.15	15.0	–	–	–	–	–	–	–	–	–

R geometria con design altamente positivo per lavorazioni medie.

a_e/DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
X.V	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00

$a_{e\,max}$	1		2.5		5		7.5		10		15		20	
DC	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}
63	0.64	1.75	0.40	1.11	0.29	0.79	0.24	0.65	0.21	0.57	0.17	0.47	0.15	0.41
80	0.72	1.97	0.45	1.25	0.32	0.89	0.27	0.73	0.23	0.64	0.19	0.53	0.17	0.46

$a_{e\,max}$	25		32		40		50		63		80	
DC	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}	f_{min}	f_{max}
63	0.14	0.38	0.12	0.34	0.12	0.32	0.11	0.30	0.13	0.35	–	–
80	0.15	0.42	0.14	0.38	0.13	0.35	0.12	0.32	0.11	0.30	0.13	0.35

	LNET 16-M	LNET 16-R	SNGX 13-M	SNGX 13-R
RE	1.6	1.6	1.2	1.2
BS	–	–	–	–

ISO	DC		APMX	a_p
63J2R155H50-SLSN104-C	63	2+2	104	101.2
80J2R190H50-SLSN134-C	80	2+2	134	131.2
63J2R155G50-SLSN104-C	63	2+2	104	101.2
80J2R190G50-SLSN134-C	80	2+2	134	131.2
63J2R175X50-SLSN104-C	63	2+2	104	101.2
80J2R210X50-SLSN134-C	80	2+2	134	131.2