

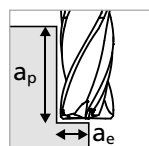
NEW

Tipo B - Z3 - Contornatura - Sgrossatura

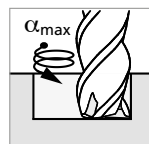
FRESARE CON RAFFREDDAMENTO INTEGRATO | VISTA D'INSIEME DEI DATI DI TAGLIO

Contornatura

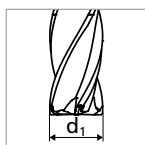
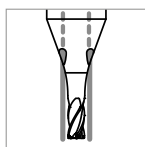
Sgrossatura



- $a_p = 1 \times d_1$
- $a_e = 0.2 \times d_1$



Nota:
In caso di fresatura con interpolazione elicoidale vedere α_{max} alla pagina 35



Gruppo materiali	Materiale	Mat. no.	DIN	AISI/ASTM/UNS	Geometria di taglio
P	Acciai non legati Rm < 800 N/mm ²	1.0301	C10	AISI 1010	GEOMETRIA S
		1.0401	C15	AISI 1015	
		1.1191	C45E/CK45	AISI 1045	
		1.0044	S275JR	AISI 1020	
		1.0715	11SMn30	AISI 1215	
	Acciai debolmente legati Rm > 900 N/mm ²	1.5752	15NiCr13	ASTM 3415 / AISI 3310	
		1.7131	16MnCr5	AISI 5115	
		1.3505	100Cr6	AISI 52100	
		1.7225	42CrMo4	AISI 4140	
		1.2842	90MnCrV8	AISI O2	
	Acciai da utensili fortemente legati Rm < 1200 N/mm ²	1.2379	X153CrMoV12	AISI D2	
		1.2436	X210CrW12	AISI D4/D6	
		1.3343	HS6-5-2C	AISI M2 / UNS T11302	
	1.3355	HS18-0-1	AISI T1 / UNS T12001		
M	Acciai inossidabili ferritici	1.4016	X6Cr17	AISI 430 / UNS S43000	GEOMETRIA S
		1.4105	X6CrMoS17	AISI 430F	
	Acciai inossidabili martensitici	1.4034	X46Cr13	AISI 420C	
		1.4112	X90CrMoV18	AISI 440B	
	Acciai inossidabili martensitici - PH	1.4542	X5CrNiCuNb16-4	AISI 630 / ASTM 17-4 PH	
		1.4545	X5CrNiCuNb15-5	ASTM 15-5 PH	
	Acciai inossidabili austenitici	1.4301	X5CrNi18-10	AISI 304	
		1.4435	X2CrNiMo18-14-3	AISI 316L	
		1.4441	X2CrNiMo18-15-3	AISI 316LM	
	1.4539	X1NiCrMoCu25-20-5	AISI 904L		
K	Ghise	0.6020	GG20	ASTM 30	GEOMETRIA S
		0.6030	GG30	ASTM 40B	
		0.7040	GGG40	ASTM 60-40-18	
		0.7060	GGG60	ASTM 80-60-03	
N	Leghe d'alluminio battute	3.2315	AlMgSi1	ASTM 6351	GEOMETRIA S
		3.4365	AlZnMgCu1.5	ASTM 7075	
	Leghe d'alluminio pressofuse	3.2163	GD-AlSi9Cu3	ASTM A380	
		3.2381	GD-AlSi10Mg	UNS A03590	
	Rame	2.0040	Cu-OF / CW008A	UNS C10100	
		2.0065	Cu-ETP / CW004A	UNS C11000	
	Ottoni senza piombo	2.0321	CuZn37 CW508L	UNS C27400	
		2.0360	CuZn40 CW509L	UNS C28000	
	Ottoni, Bronzi Rm < 400 N/mm ²	2.0401	CuZn39Pb3 / CW614N	UNS C38500	
		2.1020	CuSn6	UNS C51900	
Bronzi Rm < 600 N/mm ²	2.0966	CuAl10Ni5Fe4	UNS C63000		
	2.0960	CuAl9Mn2	UNS C63200		
S₁	Superleghe	2.4856		Inconel 625	GEOMETRIA SX
		2.4668		Inconel 718	
		2.4617	NiMo28	Hastelloy B-2	
		2.4665	NiCr22Fe18Mo	Hastelloy X	
S₂	Titanio puro	3.7035	Gr.2	ASTM B348 / F67	GEOMETRIA S
		3.7065	Gr.4	ASTM B348 / F68	
S₂	Leghe di titanio	3.7165	TiAl6V4	ASTM B348 / F136	GEOMETRIA S
		9.9367	TiAl6Nb7	ASTM F1295	
S₃	Leghe CoCr	2.4964	CoCr20W15Ni	Haynes 25	GEOMETRIA SX
			CrCoMo28	ASTM F1537	
H₁	Acciai temprati < 55 HRC	1.2510	100MnCrMoW4	AISI O1	
H₂	Acciai temprati ≥ 55 HRC	1.2379	X153CrMoV12	AISI D2	

v_c [m/min]
 f_z [mm]

RACCOMANDAZIONI PER L'USO

● Perfettamente consigliato | ● Consigliato | ○ Parzialmente consigliato | ⊗ Non consigliato



		0.2 mm		0.3 mm		0.4 mm 1/64"		0.5 mm		0.6 mm		0.7 mm		0.8 mm 1/32"		0.9 - 1.0 mm	
		v_c	f_z	v_c	f_z	v_c	f_z	v_c	f_z	v_c	f_z	v_c	f_z	v_c	f_z	v_c	f_z
		15 - 25	0.003	20 - 40	0.005	25 - 50	0.007	30 - 65	0.010	40 - 75	0.012	45 - 90	0.014	50 - 100	0.016	55 - 115	0.018
		15 - 25	0.003	20 - 40	0.005	25 - 50	0.007	30 - 65	0.010	40 - 75	0.012	45 - 90	0.014	50 - 100	0.016	55 - 115	0.018
		15 - 25	0.002	20 - 40	0.004	25 - 50	0.006	30 - 65	0.008	40 - 75	0.009	45 - 90	0.011	50 - 100	0.013	55 - 115	0.015
		15 - 25	0.003	20 - 40	0.005	25 - 50	0.007	30 - 65	0.010	40 - 75	0.012	45 - 90	0.014	50 - 100	0.016	55 - 115	0.018
		15 - 25	0.003	20 - 40	0.005	25 - 50	0.007	30 - 65	0.010	40 - 75	0.012	45 - 90	0.014	50 - 100	0.016	55 - 115	0.018
		15 - 25	0.002	20 - 40	0.004	25 - 50	0.006	30 - 65	0.008	40 - 75	0.009	45 - 90	0.011	50 - 100	0.013	55 - 115	0.015
		15 - 25	0.002	20 - 40	0.004	25 - 50	0.006	30 - 65	0.008	40 - 75	0.009	45 - 90	0.011	50 - 100	0.013	55 - 115	0.015
		15 - 25	0.004	20 - 40	0.007	25 - 50	0.009	30 - 65	0.012	40 - 75	0.013	45 - 90	0.015	50 - 100	0.016	55 - 115	0.017
		15 - 25	0.004	20 - 40	0.007	25 - 50	0.009	30 - 65	0.012	40 - 75	0.013	45 - 90	0.015	50 - 100	0.016	55 - 115	0.017
		15 - 25	0.004	20 - 40	0.007	25 - 50	0.009	30 - 65	0.012	40 - 75	0.013	45 - 90	0.015	50 - 100	0.016	55 - 115	0.017
		15 - 25	0.004	20 - 40	0.007	25 - 50	0.009	30 - 65	0.012	40 - 75	0.013	45 - 90	0.015	50 - 100	0.016	55 - 115	0.017
		15 - 25	0.004	20 - 40	0.007	25 - 50	0.009	30 - 65	0.012	40 - 75	0.013	45 - 90	0.015	50 - 100	0.016	55 - 115	0.017
		15 - 25	0.002	20 - 40	0.003	25 - 50	0.004	30 - 65	0.005	40 - 75	0.007	45 - 90	0.008	50 - 100	0.009	55 - 115	0.010
		15 - 25	0.002	20 - 40	0.004	25 - 50	0.006	30 - 65	0.008	40 - 75	0.009	45 - 90	0.011	50 - 100	0.013	55 - 115	0.015
		15 - 25	0.003	20 - 40	0.005	25 - 50	0.007	30 - 65	0.010	40 - 75	0.012	45 - 90	0.014	50 - 100	0.016	55 - 115	0.018
		15 - 25	0.002	20 - 40	0.003	25 - 50	0.004	30 - 65	0.005	40 - 75	0.007	45 - 90	0.008	50 - 100	0.009	55 - 115	0.010