CRAZYMILL by Mikron Tool Cool

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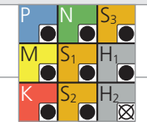
FRAISER
CRAZYMILL COOL CYLINDRIQUE / TORIQUE - Z2

Type C - Rainurage classique

v_c [m/min]
f_z [mm]

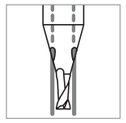
RECOMMANDATION D'UTILISATION
● Parfaitement recommandé | ◐ Recommandé | ○ Peu recommandé | ⊠ Non recommandé

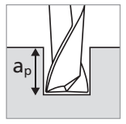


FRAISAGE AVEC REFROIDISSEMENT INTÉGRÉ | VUE D'ENSEMBLE DES DONNÉES DE COUPE

Rainurage classique

- $a_p = 1 \times d_1$
- $a_p = 0.5 \times d_1$ pour le groupe S_1 et S_3





Groupe matériaux	Matériau	Mat. no.	DIN	AISI/ASTM/UNS	Ød1 0.3 mm – 0.4 mm (1/64") v_c	f_z	0.5 mm – 0.8 mm (1/32") v_c	f_z	1.0 mm – 1.2 mm v_c	f_z	1.5 mm – 1.8 mm (1/16") v_c	f_z	2.0 mm – 2.5 mm (3/32") v_c	f_z	3.0 mm (1/8") v_c	f_z	4.0 mm – 6.0 mm (5/32 – 3/16 – 7/32 – 1/4") v_c	f_z
P	Aciers non alliés Rm < 800 N/mm²	1.0301	C10	AISI 1010	60	0.004 – 0.006	100	0.008 – 0.012	140	0.013 – 0.015	180	0.022 – 0.024	200	0.030 – 0.032	220	0.034	260	0.048
		1.0401	C15	AISI 1015														
		1.1191	C45E/CK45	AISI 1045														
		1.0044	S275JR	AISI 1020														
		1.0715	11SMn30	AISI 1215														
	Aciers faiblement alliés Rm > 900 N/mm²	1.5752	15NiCr13	ASTM 3415 / AISI 3310	60	0.003 – 0.005	100	0.007 – 0.010	140	0.012 – 0.014	180	0.020 – 0.022	200	0.028 – 0.030	220	0.032	260	0.046
		1.7131	16MnCr5	AISI 5115														
		1.3505	100Cr6	AISI 52100														
		1.7225	42CrMo4	AISI 4140														
		1.2842	90MnCrV8	AISI O2														
	Aciers à outil fortement alliés Rm < 1200 N/mm²	1.2379	X153CrMoV12	AISI D2	60	0.003 – 0.005	100	0.006 – 0.009	140	0.009 – 0.011	180	0.018 – 0.020	200	0.026 – 0.028	220	0.028	260	0.042
		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	Aciers inoxydables ferritiques	1.4016	X6Cr17	AISI 430 / UNS S43000	60	0.004 – 0.006	100	0.008 – 0.012	140	0.014 – 0.016	180	0.022 – 0.024	200	0.030 – 0.032	220	0.034	260	0.046
		1.4105	X6CrMoS17	AISI 430F														
	Aciers inoxydables martensitiques	1.4034	X46Cr13	AISI 420C	60	0.003 – 0.005	100	0.007 – 0.010	140	0.013 – 0.015	180	0.020 – 0.022	200	0.028 – 0.030	220	0.032	260	0.044
		1.4112	X90CrMoV18	AISI 440B														
	Aciers inoxydables martensitiques - PH	1.4542	X5CrNiCuNb 16-4	AISI 630 / ASTM 17-4 PH	60	0.003 – 0.005	100	0.007 – 0.010	140	0.013 – 0.015	180	0.020 – 0.022	200	0.028 – 0.030	220	0.032	260	0.044
		1.4545	X5CrNiCuNb 15-5	ASTM 15-5 PH														
	Aciers inoxydables austénitiques	1.4301	X5CrNi 18-10	AISI 304	60	0.003 – 0.005	100	0.006 – 0.009	140	0.010 – 0.012	180	0.016 – 0.018	200	0.026 – 0.028	220	0.030	260	0.042
		1.4435	X2CrNiMo 18-14-3	AISI 316L														
		1.4441	X2CrNiMo 18-15-3	AISI 316LM														
		1.4539	X1NiCrMoCu 25-20-5	AISI 904L														
K	Fonte grise	0.6020	GG20	ASTM 30	60	0.002 – 0.004	100	0.005 – 0.008	120	0.010 – 0.020	140	0.022 – 0.025	160	0.026 – 0.035	180	0.040	200	0.050
		0.6030	GG30	ASTM 40B														
		0.7040	GGG40	ASTM 60-40-18														
		0.7060	GGG60	ASTM 80-60-03														
N	Alliages d'aluminium corroyés	3.2315	AlMgSi1	ASTM 6351	60	0.005 – 0.007	100	0.010 – 0.014	140	0.015 – 0.017	180	0.024 – 0.026	200	0.032 – 0.034	220	0.052	260	0.050
		3.4365	AlZnMgCu1.5	ASTM 7075														
	Fonte d'aluminium	3.2163	GD-AlSi9Cu3	ASTM A380	60	0.005 – 0.007	100	0.010 – 0.014	140	0.015 – 0.017	180	0.024 – 0.026	200	0.032 – 0.034	220	0.050	260	0.050
		3.2381	GD-AlSi10Mg	UNS A03590														
	Cuivre	2.004	Cu-OF / CW008A	UNS C10100	60	0.005 – 0.007	100	0.012 – 0.016	140	0.018 – 0.020	180	0.024 – 0.026	200	0.032 – 0.034	220	0.052	260	0.050
		2.0065	Cu-ETP / CW004A	UNS C11000														
	Laiton sans plomb	2.0321	CuZn37 CW508L	UNS C27400	60	0.005 – 0.007	100	0.012 – 0.016	140	0.018 – 0.020	180	0.024 – 0.026	200	0.032 – 0.034	220	0.052	260	0.050
		2.036	CuZn40 CW509L	UNS C28000														
	Laiton, Bronze Rm < 400 N/mm²	2.0401	CuZn39Pb3 / CW614N	UNS C38500	60	0.005 – 0.007	100	0.012 – 0.016	140	0.018 – 0.020	180	0.024 – 0.026	200	0.032 – 0.034	220	0.052	260	0.050
		2.102	CuSn6	UNS C51900														
	Bronze Rm < 600 N/mm²	2.0966	CuAl10Ni5Fe4	UNS C63000	60	0.005 – 0.007	100	0.010 – 0.014	140	0.016 – 0.018	180	0.024 – 0.026	200	0.032 – 0.034	220	0.052	260	0.050
		2.096	CuAl9Mn2	UNS C63200														
S_1	Super alliages	2.4856		Inconel 625	60	0.002 – 0.003	100	0.004 – 0.006	120	0.007 – 0.008	130	0.009 – 0.010	140	0.010 – 0.012	150	0.015	170	0.020
		2.4668		Inconel 718														
		2.4617	NiMo28	Hastelloy B-2														
		2.4665	NiCr22Fe18Mo	Hastelloy X														
S_2	Titane pur	3.7035	Gr.2	ASTM B348 / F67	60	0.003 – 0.005	100	0.006 – 0.009	120	0.014 – 0.016	130	0.018 – 0.020	140	0.026 – 0.028	150	0.030	170	0.040
		3.7065	Gr.4	ASTM B348 / F68														
	Alliages de titane	3.7165	TiAl6V4	ASTM B348 / F136	60	0.003 – 0.005	100	0.006 – 0.009	120	0.014 – 0.016	130	0.018 – 0.020	140	0.026 – 0.028	150	0.030	170	0.040
		9.9367	TiAl6Nb7	ASTM F1295														
S_3	Alliages CrCo	2.4964	CoCr20W15Ni	Haynes 25	60	0.002 – 0.003	100	0.004 – 0.006	140	0.007 – 0.008	160	0.009 – 0.010	180	0.010 – 0.012	200	0.015	220	0.020
			CrCoMo28	ASTM F1537														
H_1	Aciers trempés < 55 HRC	1.2510	100MnCrMoW4	AISI O1	60	0.003 – 0.005	80	0.006 – 0.007	100	0.008 – 0.010	140	0.012 – 0.016	180	0.018 – 0.024	200	0.028	240	0.030
H_2	Aciers trempés ≥ 55 HRC	1.2379	X153CrMoV12	AISI D2														