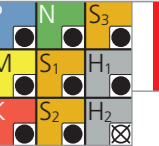


CrazyMill Cool Vollradius - Typ B - Vorschlichten

v_c [m/min]
 f_z [mm]
 d_{eff} [mm]

ANWENDUNGSEMPFEHLUNG
● Sehr gut geeignet | ○ Gut geeignet | ○ bedingt geeignet | ☒ Nicht empfohlen



FRÄSEN MIT INTEGRIERTER KÜHLUNG | SCHNITTDATENÜBERSICHT

Werkstoffgruppe	Werkstoff	Wr.Nr.	DIN	AISI/ASTM/UNS	Ød1 0.3mm		Ød1 0.4mm		Ød1 0.5mm		Ød1 0.6mm		Ød1 0.8mm		Ød1 1.0mm		Ød1 1.2mm		Ød1 1.5mm		Ød1 1.8mm		Ød1 2.0mm		Ød1 2.5mm		Ød1 3.0mm		Ød1 4.0mm		Ød1 6.0mm		Ød1 8.0mm																
					v_c	d_{eff}	f_z	v_c	d_{eff}	f_z	v_c	d_{eff}	f_z	v_c	d_{eff}	f_z	v_c	d_{eff}	f_z	v_c	d_{eff}	f_z	v_c	d_{eff}	f_z	v_c	d_{eff}	f_z	v_c	d_{eff}	f_z	v_c	d_{eff}	f_z	v_c	d_{eff}	f_z												
P	Stähle unlegiert Rm < 800 N/mm ²	1.0301	C10	AISI 1010																																													
		1.0401	C15	AISI 1015																																													
		1.1191	C45E/CK45	AISI 1045	55	0.29	0.005	73	0.39	0.007	92	0.48	0.010	100	0.60	0.012	100	0.80	0.014	140	1.00	0.015	140	1.20	0.017	200	1.50	0.024	200	1.80	0.026	220	2.00	0.034	220	2.50	0.036	240	3.00	0.046	260	4.00	0.050	260	6.00	0.050	260	8.00	0.050
		1.0044	S275JR	AISI 1020																																													
		1.0715	11SMn30	AISI 1215																																													
	Stähle niedriglegiert Rm > 900 N/mm ²	1.5752	15NiCr13	ASTM 3415																																													
		1.7131	16MnCr5	AISI 5115																																													
		1.3505	100Cr6	AISI 52100	55	0.29	0.004	73	0.39	0.006	92	0.48	0.009	100	0.60	0.011	100	0.80	0.012	140	1.00	0.014	140	1.20	0.016	200	1.50	0.022	200	1.80	0.024	220	2.00	0.032	220	2.50	0.034	240	3.00	0.044	260	4.00	0.048	260	6.00	0.048	260	8.00	0.048
		1.7225	42CrMo4	AISI 4140																																													
		1.2842	90MnCrV8	AISI O2																																													
Werkzeugstähle hochlegiert Rm < 1200 N/mm ²	1.2379	X153CrMoV12	AISI D2																																														
	1.2436	X210CrW12	AISI D4/D6																																														
	1.3343	H56-5-2C	AISI M2	55	0.29	0.004	73	0.39	0.006	92	0.48	0.008	100	0.60	0.009	100	0.80	0.011	140	1.00	0.011	140	1.20	0.013	200	1.50	0.020	200	1.80	0.022	220	2.00	0.030	220	2.50	0.032	240	3.00	0.040	260	4.00	0.042	260	6.00	0.042	260	8.00	0.042	
	1.3355	HS18-0-1	AISI T1																																														
M	Rostfreie Stähle-ferritisch	1.4016	X6Cr17	AISI 430	55	0.29	0.005	73	0.39	0.007	92	0.48	0.010	100	0.60	0.012	100	0.80	0.014	140	1.00	0.016	140	1.20	0.018	200	1.50	0.024	200	1.80	0.026	220	2.00	0.034	220	2.50	0.036	240	3.00	0.044	260	4.00	0.048	260	6.00	0.048	260	8.00	0.048
		1.4105	X6CrMoS17	AISI 430F																																													
	Rostfreie Stähle-martensitisch	1.4034	X46Cr13	AISI 420C	55	0.29	0.004	73	0.39	0.006	92	0.48	0.009	100	0.60	0.010	100	0.80	0.012	140	1.00	0.015	140	1.20	0.017	200	1.50	0.022	200	1.80	0.024	220	2.00	0.032	220	2.50	0.034	240	3.00	0.044	260	4.00	0.046	260	6.00	0.046	260	8.00	0.046
		1.4112	X90CrMoV18	AISI 440B																																													
	Rostfreie Stähle-martensitisch – PH	1.4542	X5CrNiCuNb 16-4	AISI 630	55	0.29	0.004	73	0.39	0.006	92	0.48	0.009	100	0.60	0.010	100	0.80	0.012	140	1.00	0.015	140	1.20	0.017	200	1.50	0.022	200	1.80	0.024	220	2.00	0.032	220	2.50	0.034	240	3.00	0.044	260	4.00	0.046	260	6.00	0.046	260	8.00	0.046
		1.4545	X5CrNiCuNb 15-5	ASTM15-5PH																																													
	Rostfreie Stähle-austenitisch	1.4301	X5CrNi 18-10	AISI 304																																													
1.4435		X2CrNiMo 18-14-3	AISI 316L	55	0.29	0.004	73	0.39	0.006	92	0.48	0.008	100	0.60	0.010	100	0.80	0.011	140	1.00	0.012	140	1.20	0.014	200	1.50	0.016	200	1.80	0.018	220	2.00	0.030	220	2.50	0.032	240	3.00	0.040	260	4.00	0.044	260	6.00	0.044	260	8.00	0.044	
1.4441		X2CrNiMo 18-15-3	AISI 316LM																																														
1.4539	X1NiCrMoCu25-20-5	AISI 904L																																															
K	Gusseisen	0.6020	GG20	ASTM 30																																													
		0.6030	GG30	ASTM 40B																																													
		0.7040	GGG40	ASTM60-40-18	55	0.29	0.003	73	0.39	0.005	92	0.48	0.006	100	0.60	0.008	100	0.80	0.009	120	1.00	0.011	120	1.20	0.022	140	1.50	0.024	140	1.80	0.026	160	2.00	0.028	160	2.50	0.036	180	3.00	0.043	200	4.00	0.050	200	6.00	0.052	200	8.00	0.052
		0.7060	GGG60	ASTM80-60-03																																													
N	Aluminium Knetlegierungen	3.2315	AlMgSi1	ASTM 6351	55	0.29	0.006	73	0.39	0.008	92	0.48	0.012	100	0.60	0.014	100	0.80	0.016	140	1.00	0.018	140	1.20	0.020	200	1.50	0.026	200	1.80	0.028	220	2.00	0.036	220	2.50	0.040	240	3.00	0.058	260	4.00	0.060	260	6.00	0.060	260	8.00	0.060
		3.4365	AlZnMgCu1.5	ASTM 7075																																													
	Aluminium Druckgusslegierungen	3.2163	GD-ALSi9Cu3	ASTM A380	55	0.29	0.006	73	0.39	0.008	92	0.48	0.012	100	0.60	0.014	100	0.80	0.016	140	1.00	0.018	140	1.20	0.020	200	1.50	0.026	200	1.80	0.028	220	2.00	0.036	220	2.50	0.040	240	3.00	0.058	260	4.00	0.060	260	6.00	0.060	260	8.00	0.060
		3.2381	GD-ALSi10Mg	UNS A03590																																													
	Kupfer	2.004	Cu-OF / CW008A	UNS C10100	55	0.29	0.006	73	0.39	0.008	92	0.48	0.014	100	0.60	0.016	100	0.80	0.018	140	1.00	0.020	140	1.20	0.022	200	1.50	0.026	200	1.80	0.028	220	2.00	0.036	220	2.50	0.040	240	3.00	0.058	260	4.00	0.060	260	6.00	0.060	260	8.00	0.060
		2.0065	Cu-ETP / CW004A	UNS C11000																																													
	Messing bleifrei	2.0321	CuZn37 CW508L	UNS C27400	55	0.29	0.006	73	0.39	0.008	92	0.48	0.014	100	0.60	0.016	100	0.80	0.018	140	1.00	0.020	140	1.20	0.022	200	1.50	0.026	200	1.80	0.028	220	2.00	0.036	220	2.50	0.040	240	3.00	0.058	260	4.00	0.060	260	6.00	0.060	260	8.00	0.060
		2.036	CuZn40 CW509L	UNS C28000																																													
	Messing, Bronze Rm < 400 N/mm ²	2.0401	CuZn39Pb3	UNS C38500	55	0.29	0.006	73	0.39	0.008	92	0.48	0.014	100	0.60	0.016	100	0.80	0.018	140	1.00	0.020	140	1.20	0.022	200	1.50	0.026	200	1.80	0.028	220	2.00	0.036	220	2.50	0.040	240	3.00	0.058	260	4.00	0.060	260	6.00	0.060	260	8.00	0.060
		2.102	CuSn6	UNS C51900																																													
Bronze Rm < 600 N/mm ²	2.0966	CuAl10Ni5Fe4	UNS C63000	55	0.29	0.006	73	0.39	0.008	92	0.48	0.012	100	0.60	0.014	100	0.80	0.016	140	1.00	0.018	140	1.20	0.020	200	1.50	0.026	200	1.80	0.028	220	2.00	0.036	220	2.50	0.040	240	3.00	0.058	260	4.00	0.060							