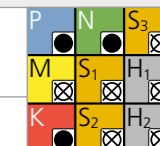


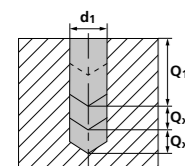
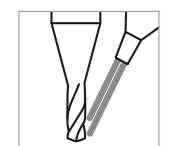
# Steel - 20 x d - revêtu

RECOMMANDATION D'UTILISATION

● Parfaitement recommandé | ● Recommandé | ○ Peu recommandé | ⊗ Non recommandé



## PERÇAGE AVEC REFROIDISSEMENT EXTERNE | VUE D'ENSEMBLE DES DONNÉES DE COUPE



Groupe matériaux	Matériau	Mat. no.	DIN	AISI/ASTM/UNS	v <sub>c</sub> [m/min]				Q <sub>1</sub>	Q <sub>2</sub>	f [mm/tour]						
					Ød1 ≤ 0.4		Ød1 > 0.4				0.2 mm	0.3 mm	Ød1		0.8 mm	1.0 mm - 1.2 mm	
					Moyen	Haut	Moyen	Haut			f	f	0.4 mm 1/64"	0.6 mm	1/32"	f	
P	Aciers non alliés Rm < 800 N/mm <sup>2</sup>	1.0301	C10	AISI 1010	5	40	40	60	2xd1	0.5xd1	0.005	0.010	0.015	0.030	0.040	0.060	
		1.0401	C15	AISI 1015													
		1.1191	C45E/CK45	AISI 1045													
		1.0044	S275JR	AISI 1020													
		1.0715	11SMn30	AISI 1215													
		1.5752	15NiCr13	ASTM 3415 / AISI 3310													
	Aciers faiblement alliés Rm > 900 N/mm <sup>2</sup>	1.7131	16MnCr5	AISI 5115	5	25	25	50			0.003 - 0.005	0.008 - 0.010	0.012 - 0.015	0.020 - 0.025	0.035	0.050	
		1.3505	100Cr6	AISI 52100													
		1.7225	42CrMo4	AISI 4140													
		1.2842	90MnCrV8	AISI O2													
		1.2379	X153CrMoV12	AISI D2													
		1.2436	X210CrW12	AISI D4/D6													
Aciers à outil fortement alliés Rm < 1200 N/mm <sup>2</sup>	1.3343	HS6-5-2C	AISI M2 / UNS T11302	5	20	20	35	0.004	0.008	0.010	0.015	0.025	0.040				
	1.3355	HS18-0-1	AISI T1 / UNS T12001														
	1.4016	X6Cr17	AISI 430 / UNS S43000											Recommandé : CrazyDrill Flex SST-Inox 30 x d1			
	1.4105	X6CrMoS17	AISI 430F														
	1.4034	X46Cr13	AISI 420C														
	1.4112	X90CrMoV18	AISI 440B														
1.4542	X5CrNiCuNb 16-4	AISI 630 / ASTM 17-4 PH															
1.4545	X5CrNiCuNb 15-5	ASTM 15-5 PH															
Aciers inoxydables martensitiques	1.4301	X5CrNi 18-10	AISI 304														
	1.4435	X2CrNiMo 18-14-3	AISI 316L														
	1.4441	X2CrNiMo 18-15-3	AISI 316LM														
	1.4539	X1NiCrMoCu 25-20-5	AISI 904L														
	0.6020	GG20	ASTM 30	5	40	50	100	2xd1	1xd1	0.005	0.010	0.015	0.020		0.035	0.050	
	0.6030	GG30	ASTM 40B														
0.7040	GGG40	ASTM 60-40-18															
0.7060	GGG60	ASTM 80-60-03															
K	Fonte grise	0.6020	GG20	ASTM 30													
		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	5	40	60	120	2xd1	1xd1	0.015	0.040	0.050	0.080	0.100	0.120
			3.4365	AlZnMgCu1.5	ASTM 7075												
		Fonte d'aluminium	3.2163	GD-AlSi9Cu3	ASTM A380	5	40	50	80	2xd1	1xd1	0.015	0.040	0.050	0.080	0.100	0.120
			3.2381	GD-AlSi10Mg	UNS A03590												
		Cuivre	2.004	Cu-OF / CW008A	UNS C10100												
			2.0065	Cu-ETP / CW004A	UNS C11000												
		Laiton sans plomb	2.0321	CuZn37 CW508L	UNS C27400												
			2.036	CuZn40 CW509L	UNS C28000												
Laiton, Bronze Rm < 400 N/mm <sup>2</sup>		2.0401	CuZn39Pb3 / CW614N	UNS C38500	5	40	60	100	2xd1	1xd1	0.010	0.030	0.040	0.060	0.080	0.100	
		2.102	CuSn6	UNS C51900													
Bronze Rm < 600 N/mm <sup>2</sup>		2.0966	CuAl10Ni5Fe4	UNS C63000	5	20	20	40	2xd1	0.5xd1	0.004	0.006	0.010	0.015	0.025	0.040	
		2.096	CuAl9Mn2	UNS C63200													
S <sub>1</sub>	Super alliages	2.4856		Inconel 625													
		2.4668		Inconel 718													
		2.4617	NiMo28	Hastelloy B-2													
		2.4665	NiCr22Fe18Mo	Hastelloy X													
S <sub>2</sub>	Titane pur	3.7035	Gr.2	ASTM B348 / F67													
		3.7065	Gr.4	ASTM B348 / F68													
S <sub>3</sub>	Alliages de titane	3.7165	TiAl6V4	ASTM B348 / F136													
		9.9367	TiAl6Nb7	ASTM F1295													
H <sub>1</sub>	Aciers trempés < 55 HRC	1.2510	100MnCrMoW4	AISI O1													
		2.4964	CoCr20W15Ni	Haynes 25													
H <sub>2</sub>	Aciers trempés ≥ 55 HRC	2.4964	CrCoMo28	ASTM F1537													
		1.2379	X153CrMoV12	AISI D2													