




















TTD2070220





















Type: Long drill with reinforced shank

d1	d2	l1	l2
2,20	3,00	53	16,00

Coolant holes	Cut	Point angle	Spiral angle	Cutting edges Z
No	Right	140°	30°	2

Coated	Coating type	Material	Material type	Norm
Yes	TiAlN	MD	SMG SP	TUSA

Machinable Materials				
Cod.	Material type	Machinability	Cutting speed Vc	Advancement per revolution fn
		Recommended Part. recommended Not recommended	(m/min)	(mm/rev)
P01	Unalloyed steels up to 800 N/mm2		80 : 120	0,200
P02	Low alloy steels from 800 N/mm2 to 1100 N/mm2		60 : 100	0,200
P03	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		40 : 80	0,160
M01	Ferritic stainless steels		20 : 40	0,055
M02	Martensitic stainless steels		25 : 50	0,075
M03	Martensitic stainless steels - PH		20 : 30	0,055
M04	Austenitic stainless steels		20 : 30	0,055
K01	Gray/lamellar cast iron		80 : 120	0,290
K02	Nodular/nodular cast iron		80 : 120	0,290
N01	Drawn aluminum alloys		150 : 200	0,120
N02	Die-cast aluminum alloys		150 : 200	0,105
N03	Copper		80 : 120	0,075
N04	Brass - Bronze		60 : 100	0,100
N05	Lead-free brass		100 : 140	0,075
S01	Super alloys (Inconel - Hastelloy - Nimonic)		20 : 40	0,009
S02	Pure titanium (Grade 2 - Grade 4)		20 : 40	0,055
S03	Titanium alloys (Grade 5)		15 : 30	0,060
S04	Cobalt Chrome Alloys		20 : 40	0,025
H01	Hardened steels up to 55 HRC		20 : 40	0,013

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H02	Hardened steels from 55 HRC		15 : 30	0,009



SWISS HIGH PRECISION TOOLS
