




















TTD2030250





















Type: Short drill with reinforced shank

d1	d2	l1	l2
2,50	3,00	45	10,60

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	0,250
P02	Low alloy steels from 800 N/mm2 to 1100 N/mm2		60 : 100	0,250
P03	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		40 : 80	0,210
M01	Ferritic stainless steels		20 : 40	0,075
M02	Martensitic stainless steels		25 : 50	0,100
M03	Martensitic stainless steels - PH		20 : 30	0,075
M04	Austenitic stainless steels		20 : 30	0,075
K01	Gray/lamellar cast iron		80 : 120	0,360
K02	Nodular/nodular cast iron		80 : 120	0,360
N01	Drawn aluminum alloys		150 : 200	0,150
N02	Die-cast aluminum alloys		150 : 200	0,140
N03	Copper		80 : 120	0,100
N04	Brass - Bronze		60 : 100	0,130
N05	Lead-free brass		100 : 140	0,100
S01	Super alloys (Inconel - Hastelloy - Nimonic)		20 : 40	0,012
S02	Pure titanium (Grade 2 - Grade 4)		20 : 40	0,075
S03	Titanium alloys (Grade 5)		15 : 30	0,080
S04	Cobalt Chrome Alloys		20 : 40	0,035
H01	Hardened steels up to 55 HRC		20 : 40	0,020

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SWISS HIGH PRECISION TOOLS
