




















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













Type: Short drill with reinforced shank

d1	d2	l1	l2
1,15	3,00	38	4,90

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	0,135
P02	Low alloy steels from 800 N/mm2 to 1100 N/mm2		60 : 100	0,135
P03	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		40 : 80	0,105
M01	Ferritic stainless steels		20 : 40	0,035
M02	Martensitic stainless steels		25 : 50	0,055
M03	Martensitic stainless steels - PH		20 : 30	0,035
M04	Austenitic stainless steels		20 : 30	0,035
K01	Gray/lamellar cast iron		80 : 120	0,225
K02	Nodular/nodular cast iron		80 : 120	0,225
N01	Drawn aluminum alloys		150 : 200	0,095
N02	Die-cast aluminum alloys		150 : 200	0,085
N03	Copper		80 : 120	0,065
N04	Brass - Bronze		60 : 100	0,080
N05	Lead-free brass		100 : 140	0,065
S01	Super alloys (Inconel - Hastelloy - Nimonic)		20 : 40	0,005
S02	Pure titanium (Grade 2 - Grade 4)		20 : 40	0,035
S03	Titanium alloys (Grade 5)		15 : 30	0,045
S04	Cobalt Chrome Alloys		20 : 40	0,015
H01	Hardened steels up to 55 HRC		20 : 40	0,010

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SWISS HIGH PRECISION TOOLS
