




















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













Type: Long drill with reinforced shank

d1	d2	l1	l2
1,95	3,00	53	14,10

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	0,190
P02	Low alloy steels from 800 N/mm2 to 1100 N/mm2		60 : 100	0,190
P03	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		40 : 80	0,155
M01	Ferritic stainless steels		20 : 40	0,050
M02	Martensitic stainless steels		25 : 50	0,070
M03	Martensitic stainless steels - PH		20 : 30	0,050
M04	Austenitic stainless steels		20 : 30	0,050
K01	Gray/lamellar cast iron		80 : 120	0,270
K02	Nodular/nodular cast iron		80 : 120	0,270
N01	Drawn aluminum alloys		150 : 200	0,110
N02	Die-cast aluminum alloys		150 : 200	0,100
N03	Copper		80 : 120	0,070
N04	Brass - Bronze		60 : 100	0,090
N05	Lead-free brass		100 : 140	0,070
S01	Super alloys (Inconel - Hastelloy - Nimonic)		20 : 40	0,008
S02	Pure titanium (Grade 2 - Grade 4)		20 : 40	0,045
S03	Titanium alloys (Grade 5)		15 : 30	0,055
S04	Cobalt Chrome Alloys		20 : 40	0,020
H01	Hardened steels up to 55 HRC		20 : 40	0,008

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H02	Hardened steels from 55 HRC		15 : 30	0,008



SWISS HIGH PRECISION TOOLS
