






TC35000045





















Type: Micro drill

d1	d2	l1	l2
0,45	0,45	38	9,00

Coolant holes	Cut	Point angle	Spiral angle	Cutting edges Z
No	Right	130°	35°	2

Coated	Coating type	Material	Material type	Norm
No	-	MD	SMG 10	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		40 : 60	0,003 - 0,008
P02	Low alloy steels from 800 N/mm2 to 1100 N/mm2		30 : 50	0,003 - 0,008
P03	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		15 : 30	0,002 - 0,006
M01	Ferritic stainless steels		15 : 30	0,002 - 0,006
M02	Martensitic stainless steels		15 : 30	0,002 - 0,006
M03	Martensitic stainless steels - PH		15 : 30	0,002 - 0,006
M04	Austenitic stainless steels		15 : 30	0,002 - 0,006
K01	Gray/lamellar cast iron		30 : 50	0,003 - 0,008
K02	Nodular/nodular cast iron		30 : 50	0,003 - 0,008
N01	Drawn aluminum alloys		60 : 100	0,003 - 0,01
N02	Die-cast aluminum alloys		50 : 80	0,003 - 0,01
N03	Copper		30 : 60	0,003 - 0,01
N04	Brass - Bronze		40 : 70	0,003 - 0,01
N05	Lead-free brass		30 : 60	0,003 - 0,01
S01	Super alloys (Inconel - Hastelloy - Nimonic)		15 : 30	0,001 - 0,005
S02	Pure titanium (Grade 2 - Grade 4)		30 : 50	0,002 - 0,007
S03	Titanium alloys (Grade 5)		30 : 50	0,002 - 0,007
S04	Cobalt Chrome Alloys		15 : 30	0,001 - 0,005
H01	Hardened steels up to 55 HRC		-	-

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		40 : 60	0,003 - 0,008
P02	Low alloy steels from 800 N/mm2 to 1100 N/mm2		30 : 50	0,003 - 0,008
P03	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		15 : 30	0,002 - 0,006
M01	Ferritic stainless steels		15 : 30	0,002 - 0,006
M02	Martensitic stainless steels		15 : 30	0,002 - 0,006
M03	Martensitic stainless steels - PH		15 :30	0,002 - 0,006
M04	Austenitic stainless steels		15 : 30	0,002 - 0,006
K01	Gray/lamellar cast iron		30 : 50	0,003 - 0,008
K02	Nodular/nodular cast iron		30 : 50	0,003 - 0,008
N01	Drawn aluminum alloys		60 : 100	0,003 - 0,01
N02	Die-cast aluminum alloys		50 : 80	0,003 - 0,01
N03	Copper		30 : 60	0,003 - 0,01
N04	Brass - Bronze		40 : 70	0,003 - 0,01
N05	Lead-free brass		30 : 60	0,003 - 0,01
S01	Super alloys (Inconel - Hastelloy - Nimonic)		15 : 30	0,001 -0,005
S02	Pure titanium (Grade 2 - Grade 4)		30 : 50	0,002 -0,007
S03	Titanium alloys (Grade 5)		30 : 50	0,002 -0,007
S04	Cobalt Chrome Alloys		15 : 30	0,001 -0,005
H01	Hardened steels up to 55 HRC		-	-
H02	Hardened steels from 55 HRC		-	-



SWISS HIGH PRECISION TOOLS

