



MS40201400

d1	d2	l1	l2
14,00	14,00	160	47,00

Coolant holes	Cut	Point angle	Spiral angle	Cutting edges Z
No	Right	-	-	4

Coated	Coating type	Material	Material type	Norm
No	-	MD	SMG 10	Similar DIN 212

Machinable Materials				
Cod.	Material type	Machinability	Cutting speed V _c	Advancement per revolution f _n
		Recommended Part. recommended Not recommended	(m/min)	(mm/rev)
P01	Unalloyed steels up to 800 N/mm ²		15 : 22	0,20 - 0,30
P02	Low alloy steels from 800 N/mm ² to 1100 N/mm ²		10 : 18	0,16 - 0,25
P03	Highly alloyed steels from 1100 N/mm ² to 1400 N/mm ²		5 : 12	0,05 - 0,10
M01	Ferritic stainless steels		5 : 12	0,05 - 0,10
M02	Martensitic stainless steels		5 : 12	0,05 - 0,10
M03	Martensitic stainless steels - PH		5 : 12	0,05 - 0,10
M04	Austenitic stainless steels		5 : 12	0,05 - 0,10
K01	Gray/lamellar cast iron		8 : 14	0,24 - 0,35
K02	Nodular/nodular cast iron		8 : 14	0,20 - 0,30
N01	Drawn aluminum alloys		20 : 35	0,25 - 0,40
N02	Die-cast aluminum alloys		15 : 25	0,20 - 0,30
N03	Copper		15 : 40	0,15 - 0,28
N04	Brass - Bronze		15 : 40	0,15 - 0,28
N05	Lead-free brass		12 : 35	0,20 - 0,30
S01	Super alloys (Inconel - Hastelloy - Nimonic)		5 : 10	0,05 - 0,10
S02	Pure titanium (Grade 2 - Grade 4)		6 : 10	0,07 - 0,12
S03	Titanium alloys (Grade 5)		6 : 10	0,07 - 0,12
S04	Cobalt Chrome Alloys		6 : 10	0,05 - 0,10
H01	Hardened steels up to 55 HRC		5 : 10	0,04 - 0,10

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		15 : 22	0,20 - 0,30
P02	Low alloy steels from 800 N/mm2 to 1100 N/mm2		10 : 18	0,16 - 0,25
P03	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		5 : 12	0,05 - 0,10
M01	Ferritic stainless steels		5 : 12	0,05 - 0,10
M02	Martensitic stainless steels		5 : 12	0,05 - 0,10
M03	Martensitic stainless steels - PH		5 : 12	0,05 - 0,10
M04	Austenitic stainless steels		5 : 12	0,05 - 0,10
K01	Gray/lamellar cast iron		8 : 14	0,24 - 0,35
K02	Nodular/nodular cast iron		8 : 14	0,20 - 0,30
N01	Drawn aluminum alloys		20 : 35	0,25 - 0,40
N02	Die-cast aluminum alloys		15 : 25	0,20 - 0,30
N03	Copper		15 : 40	0,15 - 0,28
N04	Brass - Bronze		15 : 40	0,15 - 0,28
N05	Lead-free brass		12 : 35	0,20 - 0,30
S01	Super alloys (Inconel - Hastelloy - Nimonic)		5 : 10	0,05 - 0,10
S02	Pure titanium (Grade 2 - Grade 4)		6 : 10	0,07 - 0,12
S03	Titanium alloys (Grade 5)		6 : 10	0,07 - 0,12
S04	Cobalt Chrome Alloys		6 : 10	0,05 - 0,10
H01	Hardened steels up to 55 HRC		5 : 10	0,04 - 0,10
H02	Hardened steels from 55 HRC		-	-



SWISS HIGH PRECISION TOOLS

