



MS131S0120

Type: Endmill with 3 teeth

d1	d2	l1	l2
12,00	12,00	150	70,00

Coolant holes	Cut	Head shape	Spiral angle	Cutting edges Z
No	Right	Flat Center cutting	30°	3

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/dente)
P01	Unalloyed steels up to 800 N/mm2		80 : 140	0,02 - 0,03
P02	Low alloy steels from 800 N/mm2 to 1100 N/mm2		60 : 100	0,01 - 0,025
P03	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		30 : 60	0,01 - 0,02
M01	Ferritic stainless steels		40 : 80	0,01 - 0,02
M02	Martensitic stainless steels		40 : 80	0,01 - 0,02
M03	Martensitic stainless steels - PH		40 : 80	0,01 - 0,02
M04	Austenitic stainless steels		40 : 80	0,01 - 0,02
K01	Gray/lamellar cast iron		60 : 100	0,02 - 0,04
K02	Nodular/nodular cast iron		60 : 100	0,02 - 0,04
N01	Drawn aluminum alloys		150 : 350	0,02 - 0,05
N02	Die-cast aluminum alloys		100 : 250	0,02 - 0,04
N03	Copper		60 : 100	0,02 - 0,04
N04	Brass - Bronze		60 : 100	0,02 - 0,04
N05	Lead-free brass		50 : 80	0,01 - 0,02
S01	Super alloys (Inconel - Hastelloy - Nimonic)		20 : 50	0,007 - 0,015
S02	Pure titanium (Grade 2 - Grade 4)		20 : 40	0,01 - 0,02
S03	Titanium alloys (Grade 5)		20 : 40	0,01 - 0,02
S04	Cobalt Chrome Alloys		20 : 40	0,007 - 0,010
H01	Hardened steels up to 55 HRC		15 : 30	0,004 - 0,008

Machinable Materials				
Cod.	Material type	Machinability	Cutting speed Vc	Advancement per revolution fn
		Recommended Part. recommended Not recommended	(m/min)	(mm/dente)
P01	Unalloyed steels up to 800 N/mm2		80 : 140	0,02 - 0,03
P02	Low alloy steels from 800 N/mm2 to 1100 N/mm2		60 : 100	0,01 - 0,025
P03	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		30 : 60	0,01 - 0,02
M01	Ferritic stainless steels		40 : 80	0,01 - 0,02
M02	Martensitic stainless steels		40 : 80	0,01 - 0,02
M03	Martensitic stainless steels - PH		40 : 80	0,01 - 0,02
M04	Austenitic stainless steels		40 : 80	0,01 - 0,02
K01	Gray/lamellar cast iron		60 : 100	0,02 - 0,04
K02	Nodular/nodular cast iron		60 : 100	0,02 - 0,04
N01	Drawn aluminum alloys		150 : 350	0,02 - 0,05
N02	Die-cast aluminum alloys		100 : 250	0,02 - 0,04
N03	Copper		60 : 100	0,02 - 0,04
N04	Brass - Bronze		60 : 100	0,02 - 0,04
N05	Lead-free brass		50 : 80	0,01 - 0,02
S01	Super alloys (Inconel - Hastelloy - Nimonic)		20 : 50	0,007 - 0,015
S02	Pure titanium (Grade 2 - Grade 4)		20 : 40	0,01 - 0,02
S03	Titanium alloys (Grade 5)		20 : 40	0,01 - 0,02
S04	Cobalt Chrome Alloys		20 : 40	0,007 - 0,010
H01	Hardened steels up to 55 HRC		15 : 30	0,004 - 0,008
H02	Hardened steels from 55 HRC		-	-



SWISS HIGH PRECISION TOOLS

