

## MS12300180




















**Type:** Ball nose endmill with 2 teeth

d1	d2	l1	l2
18,00	18,00	92	26,00





















Coolant holes	Cut	Head shape	Spiral angle	Cutting edges Z
No	Right	Radiused Center cutting	30°	2

Coated	Coating type	Material	Material type	Norm
No	-	MD	SMG 10	DIN 6528

## Machinable Materials

Cod.	Material type	Machinability	Cutting speed Vc	Advancement per revolution fn
		<b>Recommended</b> <b>Part.</b> <b>recommended</b> <b>Not</b> <b>recommended</b>	(m/min)	(mm/dente)
<b>P01</b>	Unalloyed steels up to 800 N/mm2		80 : 140	0,050 - 0,080
<b>P02</b>	Low alloy steels from 800 N/mm2 to 1100 N/mm2		60 : 100	0,040 - 0,060
<b>P03</b>	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		30 : 60	0,030 - 0,050
<b>M01</b>	Ferritic stainless steels		40 : 80	0,030 - 0,050
<b>M02</b>	Martensitic stainless steels		40 : 80	0,030 - 0,050
<b>M03</b>	Martensitic stainless steels - PH		40 : 80	0,030 - 0,050
<b>M04</b>	Austenitic stainless steels		40 : 80	0,030 - 0,050
<b>K01</b>	Gray/lamellar cast iron		60 : 100	0,060 - 0,100
<b>K02</b>	Nodular/nodular cast iron		60 : 100	0,060 - 0,100
<b>N01</b>	Drawn aluminum alloys		150 : 350	0,080 - 0,120
<b>N02</b>	Die-cast aluminum alloys		100 : 250	0,080 - 0,100
<b>N03</b>	Copper		60 : 100	0,080 - 0,100
<b>N04</b>	Brass - Bronze		60 : 100	0,080 - 0,100
<b>N05</b>	Lead-free brass		50 : 80	0,060 - 0,080
<b>S01</b>	Super alloys (Inconel - Hastelloy - Nimonic)		20 : 50	0,040 - 0,060
<b>S02</b>	Pure titanium (Grade 2 - Grade 4)		20 : 40	0,030 - 0,050
<b>S03</b>	Titanium alloys (Grade 5)		20 : 40	0,030 - 0,050
<b>S04</b>	Cobalt Chrome Alloys		20 : 40	0,020 - 0,040
<b>H01</b>	Hardened steels up to 55 HRC		15 : 30	0,012 - 0,018

## Machinable Materials

Cod.	Material type	Machinability	Cutting speed Vc (m/min)	Advancement per revolution fn (mm/dente)
		<b>Recommended</b> <b>Part.</b> <b>recommended</b> <b>Not</b> <b>recommended</b>		
<b>P01</b>	Unalloyed steels up to 800 N/mm2		80 : 140	0,050 - 0,080
<b>P02</b>	Low alloy steels from 800 N/mm2 to 1100 N/mm2		60 : 100	0,040 - 0,060
<b>P03</b>	Highly alloyed steels from 1100 N/mm2 to 1400 N/mm2		30 : 60	0,030 - 0,050
<b>M01</b>	Ferritic stainless steels		40 : 80	0,030 - 0,050
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<b>M03</b>	Martensitic stainless steels - PH		40 : 80	0,030 - 0,050
<b>M04</b>	Austenitic stainless steels		40 : 80	0,030 - 0,050
<b>K01</b>	Gray/lamellar cast iron		60 : 100	0,060 - 0,100
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<b>N01</b>	Drawn aluminum alloys		150 : 350	0,080 - 0,120
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<b>S01</b>	Super alloys (Inconel - Hastelloy - Nimonic)		20 : 50	0,040 - 0,060
<b>S02</b>	Pure titanium (Grade 2 - Grade 4)		20 : 40	0,030 - 0,050
<b>S03</b>	Titanium alloys (Grade 5)		20 : 40	0,030 - 0,050
<b>S04</b>	Cobalt Chrome Alloys		20 : 40	0,020 - 0,040
<b>H01</b>	Hardened steels up to 55 HRC		15 : 30	0,012 - 0,018
<b>H02</b>	Hardened steels from 55 HRC		-	-



SWISS HIGH PRECISION TOOLS

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