

B202HX 超微粒鈷鋼塗層圓頭立銑刀

Ball Nose End Mills

Designed with S-style ball nose geometry.

S型球頭幾何設計。

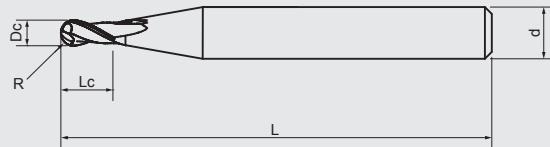
Reduce surface cutting resistance.

可降低曲面切削阻力。

Good wear resistance and lubricating effect with

採用奈米多層膜塗層具有優異的潤滑及耐磨性。

Nano multilayer coating.

VHM
CarbideAlTiCrN
HXSteel
<48HRCP
H
K

Suitable for cutting different steels below 48HRC as well as cast iron.

適用切削於48HRC以下的各種鋼材及鑄鐵。

Application for finishing profile cutting.

Standard Length

Dc 0 -0.02	R ±0.01	Lc mm	L mm	d h5	B202HX AlTiCrN					
0.2	0.1R	0.4	38	3	●					
0.3	0.15R	0.6	38	3	●					
0.4	0.2R	0.8	38	3	●					
0.5	0.25R	1	38	3	●					
0.6	0.3R	1.2	38	3	●					
0.7	0.35R	1.4	38	3	●					
0.8	0.4R	1.6	38	3	●					
0.9	0.45R	1.8	38	3	●					
1	0.5R	2	38	3	●					
1.1	0.55R	2.2	38	3	●					
1.2	0.6R	2.4	38	3	●					
1.4	0.7R	2.8	38	3	●					
1.5	0.75R	3	38	3	●					
1.6	0.8R	3.2	38	3	●					
1.8	0.9R	3.6	38	3	●					
2	1R	4	38	3	●					
2.5	1.25R	5	38	3	●					
3	1.5R	6	38	3	●					

切削條件

Cutting Conditions

B202HX								
	cutting speed Vc [m/min]	feed per tooth fz[mm]	ae	ap	cutting speed Vc [m/min]	feed per tooth fz[mm]	ae	ap
Carbon Steel Materials								
P	GR1 Carbon Steel	120	0.013xDc	0.06xDc	0.06xDc	120	0.013xDc	0.06xDc
	GR2 <24HRC Low-alloyed Steel	110	0.013xDc	0.06xDc	0.06xDc	110	0.013xDc	0.06xDc
	GR3 <30HRC Hi-alloyed Steel	100	0.012xDc	0.06xDc	0.06xDc	100	0.012xDc	0.06xDc
Hardened Steel Materials								
H	GR4 30-38HRC Hardened Steel	60	0.009xDc	0.02xDc	0.02xDc	110	0.01xDc	0.02xDc
	GR5 38-48HRC Hardened Steel	55	0.008xDc	0.02xDc	0.02xDc	100	0.009xDc	0.02xDc
Cast Iron Materials								
K	GR9-1 Grey cast iron	120	0.013xDc	0.013xDc	0.013xDc	120	0.013xDc	0.013xDc
	GR9-2 Nodular cast iron	120	0.013xDc	0.013xDc	0.013xDc	120	0.013xDc	0.013xDc

All cutting data serve for orientation only and should be adapted individually to the technical conditions on location

1. Please work with good rigidity / high precision facilities and collet chuck.
 2. Please choose proper cutting fluid.
 3. The cutting data is reference value only. Please adjust it according to your real working conditions.
 4. If RPM is lower the reference value, the Feed rate [fz] and RPM should be reduced by the same proportion.
 5. If vibration occurs during cutting, please reduce cutting parameter.
1. 請使用剛性好、精度高的設備和夾具。
2. 請選擇適用於工件材料的切削液。
3. 此切削條件表中的數值為切削條件的基準值，實際加工時，請考慮加工形狀、目的、使用機台等因素，對切削條件進行調整。
4. 如果機台轉速低於表中所列數值，則進給速度應與轉速按同一比例降低。
5. 切削加工時如果發生振顫，請降低切削條件。