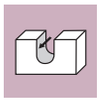
B250TX 極超微粒鎢鋼塗層圓頭立銑刀

Ball Nose End Mills

UMG Carbide

AlTiSiN TX

Type of Operation



Work Material

P	H	M	K	N	S
●	●		○		

P	鋼鐵 Steel
H	硬化鋼 <38HRC Hardened Steel
H	硬化鋼 <48HRC Hardened Steel
H	硬化鋼 <56HRC Hardened Steel
H	硬化鋼 <68HRC Hardened Steel
K	鑄鐵 Cast Iron

Feature of product:

2刃錐度圓頭立銑刀

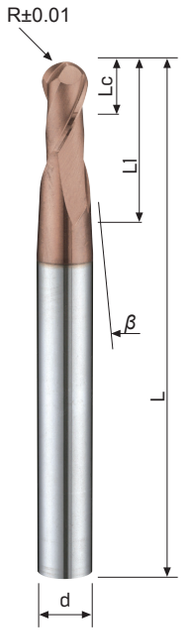
採用UMG極超微粒碳化鎢鋼材料，並搭配奈米多層膜塗層具有優異的潤滑及耐磨性。

S型球頭幾何設計。

具有良好的刀具壽命。

側邊刃部具有錐度。

適用於高硬度材料、高精密模具加工。



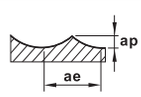
Code No. B250TX-R×β

R ±0.01	β on Side	Lc mm	L mm	d h6	L1 mm	AlTiSiN B250TX
0.5R	1° 30'	2	60	6	23	●
0.5R	5°	2	60	6	23	●
0.5R	3°	2	80	6	42	●
1R	1° 30'	4	60	6	23	●
1R	5°	4	60	6	23	●
1R	3°	4	80	6	41	●
1.5R	3°	6	70	6	32	●
1.5R	1° 30'	6	90	6	52	●
2R	3°	8	70	6	28	●
2R	1° 30'	8	90	6	49	●
2.5R	3°	10	90	8	41	●
2.5R	1° 30'	10	110	8	61	●
3R	3°	12	90	8	34	●
3R	1° 30'	12	110	8	53	●
4R	3°	14	100	10	36	●
4R	1° 30'	14	120	10	55	●
5R	3°	18	110	12	40	●
5R	1° 30'	18	130	12	59	●
6R	3°	22	140	16	63	●
6R	1° 30'	22	160	16	83	●

B250TX 切削條件參考表

Recommended Milling Conditions

General processing 普通加工

被削材 Work Material		GR.1 碳鋼 Carbon Steel		GR.2 低合金鋼 Low-alloyed Steel (~24HRC)		GR.3 高合金鋼 Hi-alloyed Steel (~30HRC)		GR.4 硬化鋼 Hardened Steel (30~38HRC)		GR.5 硬化鋼 Hardened Steel (38~48HRC)		GR.6 硬化鋼 Hardened Steel (48~56HRC)	
切削速度 Vc m/min		85		85		65		65		45		30	
型號 Code No.	刃徑 Dc	RPM 迴轉速度 (min-1)	Feed 進給速度 (mm/min)	RPM 迴轉速度 (min-1)	Feed 進給速度 (mm/min)	RPM 迴轉速度 (min-1)	Feed 進給速度 (mm/min)	RPM 迴轉速度 (min-1)	Feed 進給速度 (mm/min)	RPM 迴轉速度 (min-1)	Feed 進給速度 (mm/min)	RPM 迴轉速度 (min-1)	Feed 進給速度 (mm/min)
B250TX-R0.5	1	20,000	125	20,000	125	15,000	120	15,000	120	11,000	65	7,100	30
B250TX-R1	2	11,000	130	11,000	130	85,000	120	85,000	120	6,400	70	4,000	40
B250TX-R1.5	3	5,900	230	5,900	230	5,000	190	5,000	190	3,500	90	2,150	45
B250TX-R2	4	5,300	310	5,300	310	4,200	230	4,200	230	2,950	90	1,850	55
B250TX-R2.5	5	4,400	305	4,400	305	3,500	230	3,500	230	2,450	100	1,500	55
B250TX-R3	6	3,300	290	3,300	290	2,600	230	2,600	230	1,850	95	1,200	50
B250TX-R4	8	2,600	275	2,600	275	2,100	220	2,100	220	1,450	95	950	50
B250TX-R5	10	2,200	275	2,200	275	1,750	220	1,750	220	1,200	90	800	45
B250TX-R6	12	2,650	700	2,650	700	2,100	490	2,100	490	1,850	430	2,100	490
切入深度 (mm) 		ap:1.5D		ap:1.5D		ap:1.5D		ap:1.5D		ap:1.5D		ap:1.5D	
		ae:0.02D		ae:0.02D		ae:0.02D		ae:0.02D		ae:0.02D		ae:0.02D	

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。