



600 PLUS

SERIES

General Series 泛用系列

**600 PLUS Series - Taper Core Design
for General Application
高效系列 - 不等心厚刀型設計**

600 PLUS 系列

600 Plus series



1 特殊刀型設計 + 強化刃口崩角設計，使刀具有最大的鋼性，同時擁有最大的有效排屑空間

Maximized rigidity, and chip removals are greatly improved due to special geometric design and reinforced design in cutting edges against chipping at corners.



video 切削影片

2 抑制顫振及噪音的效果更加明顯

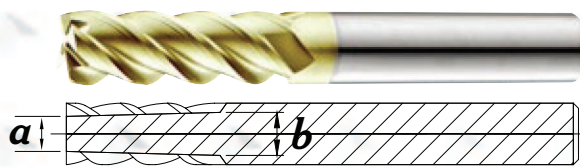
Excellent performance of anti-vibration and noise.

3 刀具塗層：震虎獨家高硬度專用塗層，有效提高刀具壽命跟加工表面精度

High hardness-used coating, effectively improves tool life and finishes.

此刀型設計 可提升加工效率

This shape makes more efficient



$$b > a$$

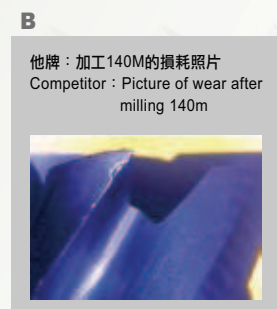
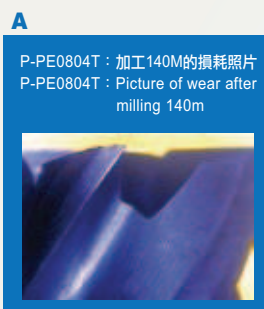
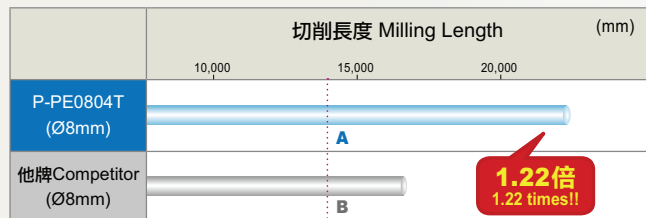
Taper Core 錐型心厚



本設計獲得台灣銑刀改良結構專利：M 476013 專利產品 仿冒必究
Enhanced geometry of end mills Patent of Taiwan: M 476013 Patent product, all rights reserved

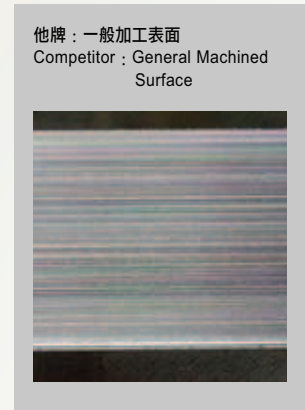
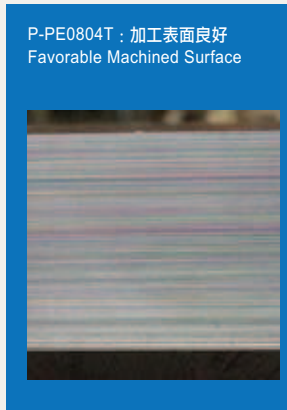
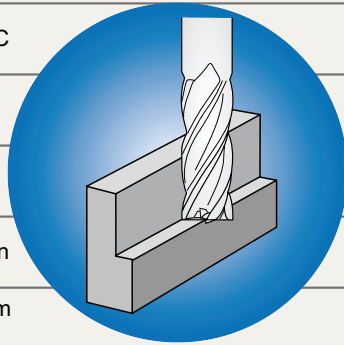
長壽命! 600 PLUS新刀型使壽命增加22%
New geometry for 600 PLUS can prolong tool life by 22%!

工具 Tool	P-PE0804T
工件 Work Material	中碳鋼 S45C
加工方式 Milling Type	側銑 Side milling
切削速度 Milling Speed	100m/min
進給速度 Speed (min ⁻¹)	1400mm/min
切深 Depth of cut	ap=15.00mm ae=1.00mm
冷卻方式 Cooling Way	空冷 Air Blow
使用機台 Machine	立式綜合加工機 Vertical Machining Center



600 PLUS新刀型能夠減少加工時產生的震顫，銑出良好的加工表面
 The new developed 600 PLUS enable to operate stable without chipping and produce a superb surface finish.

工具 Tool	P-PE0804T
工件 Work Material	中碳鋼 S45C
加工方式 Milling Type	側銑 Side milling
切削速度 Milling Speed	100m/min
進給速度 Speed (min ⁻¹)	1400mm/min
切深 Depth of cut	ap=15.00mm ae=1.00mm
冷卻方式 Cooling Way	空冷 Air Blow
使用機台 Machine	立式綜合加工機 Vertical Machining Center



效率UP! 600 PLUS實現高速加工，節省加工時間25% ↑
 Achieving efficient machining by 600 PLUS ; Milling time reduced by more than 25%!

工具 Tool	他牌 Competitor Ø8mm	SPEED TIGER 600 PLUS P-PE0804T
工件 Work Material	中碳鋼 S50C	
加工方式 Milling Type	側銑 Side milling	
切削速度 Milling Speed	100m/min	100m/min
進給速度 Speed (min ⁻¹)	2200mm/min	2800mm/min
切深 Depth of cut	ap=15.00mm ae=1.00mm	
加工長度 Working Length	110m	
加工時間 Working Time	500min	392min
冷卻方式 Cooling Way	空冷 Air Blow	
使用機台 Machine	立式綜合加工機 Vertical Machining Center	

他牌 Competitor

加工時間
8小時20分鐘
Cutting Time
8hr 20min

為您省下25%加工時間
SAVE your time 25% ↑

SPEED TIGER
600 PLUS

加工時間
6小時32分鐘
Cutting Time
6hr 32min

600⁺

切削條件表 **P332**
Cutting Condition

Miniature Square Type - 2 flutes

2刃微小徑立銑刀

600 PLUS

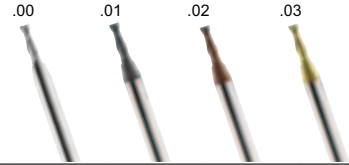
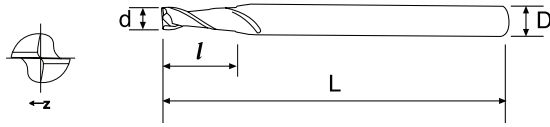
HRC > 40

35°

a_1
 $b > a$

● Super Ultra Fine Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65

HRC > 70

HRC > 75

HRC > 80

HRC > 85

HRC > 90

HRC > 95

HRC > 100

HRC > 105

HRC > 110

HRC > 115

HRC > 120

HRC > 125

Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
0.2	0.4	50	4	2	P-MIE0022	.00	.01	.02	.03
0.3	0.6	50	4	2	P-MIE0032	.00	.01	.02	.03
0.4	0.8	50	4	2	P-MIE0042	.00	.01	.02	.03
0.5	1	50	4	2	P-MIE0052	.00	.01	.02	.03
0.6	1.2	50	4	2	P-MIE0062	.00	.01	.02	.03
0.7	1.4	50	4	2	P-MIE0072	.00	.01	.02	.03
0.8	1.6	50	4	2	P-MIE0082	.00	.01	.02	.03
0.9	1.8	50	4	2	P-MIE0092	.00	.01	.02	.03
1	3	50	4	2	P-MIE0102	.00	.01	.02	.03
1.1	3	50	4	2	P-MIE0112	.00	.01	.02	.03
1.2	3	50	4	2	P-MIE0122	.00	.01	.02	.03
1.3	3	50	4	2	P-MIE0132	.00	.01	.02	.03
1.4	3	50	4	2	P-MIE0142	.00	.01	.02	.03
1.5	4	50	4	2	P-MIE0152	.00	.01	.02	.03
1.6	4	50	4	2	P-MIE0162	.00	.01	.02	.03
1.7	4	50	4	2	P-MIE0172	.00	.01	.02	.03
1.8	4	50	4	2	P-MIE0182	.00	.01	.02	.03
1.9	4	50	4	2	P-MIE0192	.00	.01	.02	.03
2	6	50	4	2	P-MIE0202	.00	.01	.02	.03
2.1	6	50	4	2	P-MIE0212	.00	.01	.02	.03
2.2	6	50	4	2	P-MIE0222	.00	.01	.02	.03
2.3	6	50	4	2	P-MIE0232	.00	.01	.02	.03
2.4	6	50	4	2	P-MIE0242	.00	.01	.02	.03
2.5	8	50	4	2	P-MIE0252	.00	.01	.02	.03
2.6	8	50	4	2	P-MIE0262	.00	.01	.02	.03
2.7	8	50	4	2	P-MIE0272	.00	.01	.02	.03
2.8	8	50	4	2	P-MIE0282	.00	.01	.02	.03
2.9	8	50	4	2	P-MIE0292	.00	.01	.02	.03
3	8	50	4	2	P-MIE0302	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○								○	○
ALTiBN	◎	◎	◎	○			○				
TiSiN	○	○	○	◎							
ZrN-A	◎	◎	◎	○			◎	○	○		

Unit/單位: mm

600⁺ 切削條件表 **P333**
Cutting Condition

Square Type - 2 flutes

■ 2刃立銑刀

600 PLUS

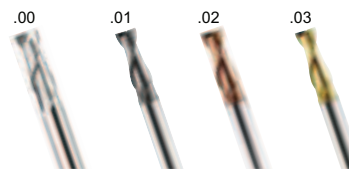
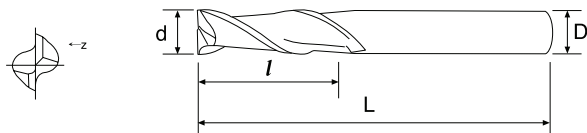
HRC > 45

35°

a
b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
1	3	50	3	2	P-SSE0102	.00	.01	.02	.03
1	3	50	4	2	P-MSE0102	.00	.01	.02	.03
1.5	4	50	3	2	P-SSE0152	.00	.01	.02	.03
1.5	4	50	4	2	P-MSE0152	.00	.01	.02	.03
2	6	50	3	2	P-SSE0202	.00	.01	.02	.03
2	6	50	4	2	P-MSE0202	.00	.01	.02	.03
2.5	8	50	3	2	P-SSE0252	.00	.01	.02	.03
2.5	8	50	4	2	P-MSE0252	.00	.01	.02	.03
3	8	50	3	2	P-SSE0302	.00	.01	.02	.03
3	8	50	4	2	P-MSE0302	.00	.01	.02	.03
3.5	10	50	4	2	P-MSE0352	.00	.01	.02	.03
4	11	50	4	2	P-MSE0402	.00	.01	.02	.03
1	3	50	6	2	P-SE0102	.00	.01	.02	.03
1.5	4	50	6	2	P-SE0152	.00	.01	.02	.03
2	6	50	6	2	P-SE0202	.00	.01	.02	.03
2.5	8	50	6	2	P-SE0252	.00	.01	.02	.03
3	8	50	6	2	P-SE0302	.00	.01	.02	.03
3.5	10	50	6	2	P-SE0352	.00	.01	.02	.03
4	11	50	6	2	P-SE0402	.00	.01	.02	.03
4.5	13	50	6	2	P-SE0452	.00	.01	.02	.03

HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65



Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC						
	○	○									○	○
ALTiBN	◎	◎	◎	○			○					
TiSiN	○	○	○	◎								
ZrN-A	◎	◎	◎	○			◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 P333 Cutting Condition

Square Type - 2 flutes ■ 2刃立銑刀

600 PLUS

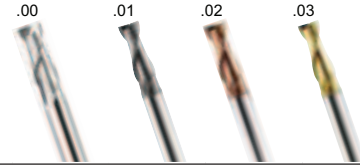
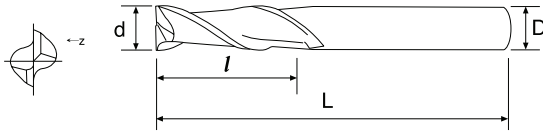
HRC ▶ 45

35°

$a > b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
5	13	50	6	2	P-SE0502	.00	.01	.02	.03
5.5	13	50	6	2	P-SE0552	.00	.01	.02	.03
6	16	50	6	2	P-SE0602	.00	.01	.02	.03
6.5	16	60	8	2	P-SE0652	.00	.01	.02	.03
7	16	60	8	2	P-SE0702	.00	.01	.02	.03
7.5	19	60	8	2	P-SE0752	.00	.01	.02	.03
8	20	60	8	2	P-SE0802	.00	.01	.02	.03
8.5	20	75	10	2	P-SE0852	.00	.01	.02	.03
9	20	75	10	2	P-SE0902	.00	.01	.02	.03
9.5	25	75	10	2	P-SE0952	.00	.01	.02	.03
10	25	75	10	2	P-SE1002	.00	.01	.02	.03
10.5	25	75	12	2	P-SE1052	.00	.01	.02	.03
11	30	75	12	2	P-SE1102	.00	.01	.02	.03
11.5	30	75	12	2	P-SE1152	.00	.01	.02	.03
12	32	75	12	2	P-SE1202	.00	.01	.02	.03
14	40	100	16	2	P-SE1402	.00	.01	.02	.03
16	40	100	16	2	P-SE1602	.00	.01	.02	.03
18	45	100	20	2	P-SE1802	.00	.01	.02	.03
20	45	100	20	2	P-SE2002	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○								○	○
ALTiBN	◎	◎	◎	○			○				
TiSiN	○	○	○	◎							
ZrN-A	◎	◎	◎	○			◎	○	○		

Unit/單位: mm

600⁺ 切削條件表 **P334**
Cutting Condition

Square Type - 4 flutes

■ 4刃立銑刀

600 PLUS

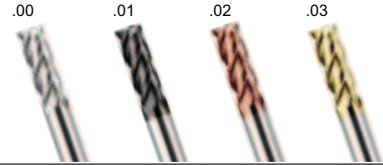
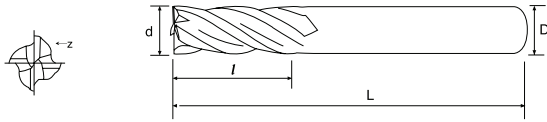
HRC > 45

35°

a/b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
1	3	50	3	4	P-SSE0104	.00	.01	.02	.03
1	3	50	4	4	P-MSE0104	.00	.01	.02	.03
1.5	4	50	3	4	P-SSE0154	.00	.01	.02	.03
1.5	4	50	4	4	P-MSE0154	.00	.01	.02	.03
2	6	50	3	4	P-SSE0204	.00	.01	.02	.03
2	6	50	4	4	P-MSE0204	.00	.01	.02	.03
2.5	8	50	3	4	P-SSE0254	.00	.01	.02	.03
2.5	8	50	4	4	P-MSE0254	.00	.01	.02	.03
3	8	50	3	4	P-SSE0304	.00	.01	.02	.03
3	8	50	4	4	P-MSE0304	.00	.01	.02	.03
3.5	10	50	4	4	P-MSE0354	.00	.01	.02	.03
4	11	50	4	4	P-MSE0404	.00	.01	.02	.03
1	3	50	6	4	P-SE0104	.00	.01	.02	.03
1.5	4	50	6	4	P-SE0154	.00	.01	.02	.03
2	6	50	6	4	P-SE0204	.00	.01	.02	.03
2.5	8	50	6	4	P-SE0254	.00	.01	.02	.03
3	8	50	6	4	P-SE0304	.00	.01	.02	.03
3.5	10	50	6	4	P-SE0354	.00	.01	.02	.03
4	11	50	6	4	P-SE0404	.00	.01	.02	.03
4.5	13	50	6	4	P-SE0454	.00	.01	.02	.03
5	13	50	6	4	P-SE0504	.00	.01	.02	.03

- HRC > 40
- HRC > 45
- HRC > 50
- HRC > 55
- HRC > 60
- HRC > 65
- (Icon: 4-flute)
- (Icon: 2-flute)
- (Icon: 3-flute)
- (Icon: 4-flute)
- (Icon: 4-flute)
- (Icon: 4-flute)
- (Icon: 4-flute)
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- (Icon: 4-flute)

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○							○	○	
ALTiBN	◎	◎	◎	○		○					
TiSiN	○	○	○	◎							
ZrN-A	◎	◎	◎	○		◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 **P334**
Cutting Condition

Square Type - 4 flutes

■ 4刃立銑刀

600 PLUS

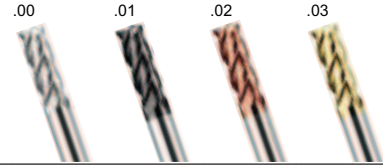
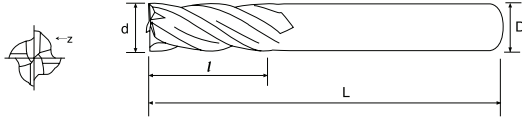
HRC > 45

35°

$a > b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
5.5	13	50	6	4	P-SE0554	.00	.01	.02	.03
6	16	50	6	4	P-SE0604	.00	.01	.02	.03
6.5	16	60	8	4	P-SE0654	.00	.01	.02	.03
7	16	60	8	4	P-SE0704	.00	.01	.02	.03
7.5	19	60	8	4	P-SE0754	.00	.01	.02	.03
8	20	60	8	4	P-SE0804	.00	.01	.02	.03
8.5	20	75	10	4	P-SE0854	.00	.01	.02	.03
9	20	75	10	4	P-SE0904	.00	.01	.02	.03
9.5	25	75	10	4	P-SE0954	.00	.01	.02	.03
10	30	75	10	4	P-SE1004	.00	.01	.02	.03
10.5	30	75	12	4	P-SE1054	.00	.01	.02	.03
11	30	75	12	4	P-SE1104	.00	.01	.02	.03
11.5	30	75	12	4	P-SE1154	.00	.01	.02	.03
12	32	75	12	4	P-SE1204	.00	.01	.02	.03
14	40	100	16	4	P-SE1404	.00	.01	.02	.03
16	40	100	16	4	P-SE1604	.00	.01	.02	.03
18	45	100	20	4	P-SE1804	.00	.01	.02	.03
20	45	100	20	4	P-SE2004	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC						
	○	○									○	○
ALTiBN	◎	◎	◎	○			○					
TiSiN	○	○	○	◎								
ZrN-A	◎	◎	◎	○			◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 **P335**
Cutting Condition

Square Type - Helix Angle 45° - 3 flutes

■ 3刃45° 立銑刀

600 PLUS

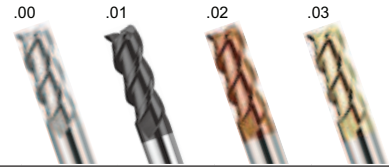
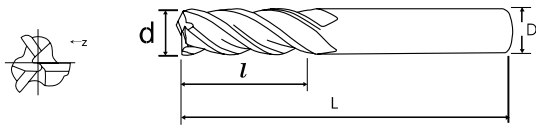
HRC > 45

45°

$a < b$
 $b > a$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
1	3	50	4	3	P-MPE0103	.00	.01	.02	.03
1.5	4	50	4	3	P-MPE0153	.00	.01	.02	.03
2	6	50	4	3	P-MPE0203	.00	.01	.02	.03
2.5	8	50	4	3	P-MPE0253	.00	.01	.02	.03
3	8	50	3	3	P-MPE3303	.00	.01	.02	.03
3	8	50	4	3	P-MPE0303	.00	.01	.02	.03
3.5	10	50	4	3	P-MPE0353	.00	.01	.02	.03
4	11	50	4	3	P-MPE0403	.00	.01	.02	.03
1	3	50	6	3	P-PE0103	.00	.01	.02	.03
1.5	4	50	6	3	P-PE0153	.00	.01	.02	.03
2	6	50	6	3	P-PE0203	.00	.01	.02	.03
2.5	8	50	6	3	P-PE0253	.00	.01	.02	.03
3	8	50	6	3	P-PE0303	.00	.01	.02	.03
3.5	10	50	6	3	P-PE0353	.00	.01	.02	.03
4	11	50	6	3	P-PE0403	.00	.01	.02	.03
4.5	13	50	6	3	P-PE0453	.00	.01	.02	.03

- HRC > 40
- HRC > 45
- HRC > 50
- HRC > 55
- HRC > 60
- HRC > 65
-
-
-
-
-
-
-
-
-
-

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○							○	○	
ALTiBN	◎	◎	◎	○		○					
TiSiN	○	○	○	◎							
ZrN-A	◎	◎	◎	○		◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 **P335**
Cutting Condition

Square Type - Helix Angle 45° - 3 flutes

■ 3刃45° 立銑刀

600 PLUS

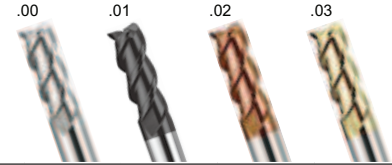
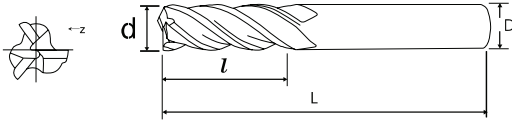
HRC > 45

45°

a
b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65

HRC > 70

HRC > 75

HRC > 80

HRC > 85

HRC > 90

HRC > 95

HRC > 100

HRC > 105

HRC > 110

HRC > 115

HRC > 120

HRC > 125

HRC > 130

Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTIBN	TISIN	ZrN-A	
5	13	50	6	3	P-PE0503	.00	.01	.02	.03
5.5	13	50	6	3	P-PE0553	.00	.01	.02	.03
6	16	50	6	3	P-PE0603	.00	.01	.02	.03
6.5	16	60	8	3	P-PE0653	.00	.01	.02	.03
7	16	60	8	3	P-PE0703	.00	.01	.02	.03
7.5	19	60	8	3	P-PE0753	.00	.01	.02	.03
8	20	60	8	3	P-PE0803	.00	.01	.02	.03
8.5	20	75	10	3	P-PE0853	.00	.01	.02	.03
9	20	75	10	3	P-PE0903	.00	.01	.02	.03
9.5	25	75	10	3	P-PE0953	.00	.01	.02	.03
10	30	75	10	3	P-PE1003	.00	.01	.02	.03
10.5	30	75	12	3	P-PE1053	.00	.01	.02	.03
11	30	75	12	3	P-PE1103	.00	.01	.02	.03
11.5	30	75	12	3	P-PE1153	.00	.01	.02	.03
12	32	75	12	3	P-PE1203	.00	.01	.02	.03
14	40	100	16	3	P-PE1403	.00	.01	.02	.03
16	40	100	16	3	P-PE1603	.00	.01	.02	.03
18	45	100	20	3	P-PE1803	.00	.01	.02	.03
20	45	100	20	3	P-PE2003	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○								○	○
ALTIBN	◎	◎	◎	○			○				
TISIN	○	○	○	◎							
ZrN-A	◎	◎	◎	○			◎	○	○		

Unit/單位: mm

600⁺ 切削條件表 **P334**
Cutting Condition

Square Type - Helix Angle 45° - 4 flutes

■ 4刃45° 立銑刀

600 PLUS

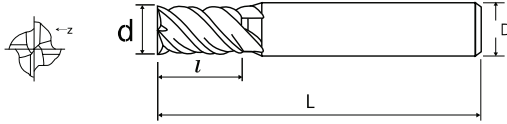
HRC > 45

45°

a
b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTIBN	TISIN	ZrN-A
1	3	50	4	4	P-MPE0104	.00	.01	.02	.03
1.5	4	50	4	4	P-MPE0154	.00	.01	.02	.03
2	6	50	4	4	P-MPE0204	.00	.01	.02	.03
2.5	8	50	4	4	P-MPE0254	.00	.01	.02	.03
3	8	50	3	4	P-MPE3304	.00	.01	.02	.03
3	8	50	4	4	P-MPE0304	.00	.01	.02	.03
3.5	10	50	4	4	P-MPE0354	.00	.01	.02	.03
4	11	50	4	4	P-MPE0404	.00	.01	.02	.03
1	3	50	6	4	P-PE0104	.00	.01	.02	.03
1.5	4	50	6	4	P-PE0154	.00	.01	.02	.03
2	6	50	6	4	P-PE0204	.00	.01	.02	.03
2.5	8	50	6	4	P-PE0254	.00	.01	.02	.03
3	8	50	6	4	P-PE0304	.00	.01	.02	.03
3.5	10	50	6	4	P-PE0354	.00	.01	.02	.03
4	11	50	6	4	P-PE0404	.00	.01	.02	.03
4.5	13	50	6	4	P-PE0454	.00	.01	.02	.03

- HRC > 40
- HRC > 45
- HRC > 50
- HRC > 55
- HRC > 60
- HRC > 65
- (Icon: Circle with horizontal line)
- (Icon: Circle with vertical line)
- (Icon: Circle with diagonal line)
- (Icon: Circle with cross)
- (Icon: Circle with diagonal line)
- (Icon: Circle with cross)
- (Icon: Circle with diagonal line)
- (Icon: Circle with cross)
- (Icon: Circle with diagonal line)
- (Icon: Circle with cross)

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
			~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○								○	○	
ALTIBN	◎	◎	◎	○			○					
TISIN	○	○	○	◎								
ZrN-A	◎	◎	◎	○			◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 **P334**
Cutting Condition

Square Type - Helix Angle 45° - 4 flutes

■ 4刃45° 立銑刀

600 PLUS

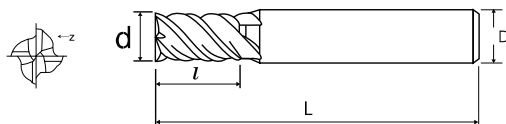
HRC > 45

45°

a
b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65

HRC > 70

HRC > 75

HRC > 80

HRC > 85

HRC > 90

HRC > 95

HRC > 100

HRC > 105

HRC > 110

HRC > 115

HRC > 120

HRC > 125

Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTIBN	TISIN	ZrN-A	
5	13	50	6	4	P-PE0504	.00	.01	.02	.03
5.5	13	50	6	4	P-PE0554	.00	.01	.02	.03
6	16	50	6	4	P-PE0604	.00	.01	.02	.03
6.5	16	60	8	4	P-PE0654	.00	.01	.02	.03
7	16	60	8	4	P-PE0704	.00	.01	.02	.03
7.5	19	60	8	4	P-PE0754	.00	.01	.02	.03
8	20	60	8	4	P-PE0804	.00	.01	.02	.03
8.5	20	75	10	4	P-PE0854	.00	.01	.02	.03
9	20	75	10	4	P-PE0904	.00	.01	.02	.03
9.5	25	75	10	4	P-PE0954	.00	.01	.02	.03
10	30	75	10	4	P-PE1004	.00	.01	.02	.03
10.5	30	75	12	4	P-PE1054	.00	.01	.02	.03
11	30	75	12	4	P-PE1104	.00	.01	.02	.03
11.5	30	75	12	4	P-PE1154	.00	.01	.02	.03
12	32	75	12	4	P-PE1204	.00	.01	.02	.03
14	40	100	16	4	P-PE1404	.00	.01	.02	.03
16	40	100	16	4	P-PE1604	.00	.01	.02	.03
18	45	100	20	4	P-PE1804	.00	.01	.02	.03
20	45	100	20	4	P-PE2004	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○							○	○	
ALTIBN	◎	◎	◎	○		○					
TISIN	○	○	○	◎							
ZrN-A	◎	◎	◎	○		◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 **P332**
Cutting Condition

Square Type - Long Shank - 2 flutes

■ 2刃長柄立銑刀

600 PLUS

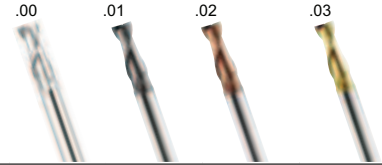
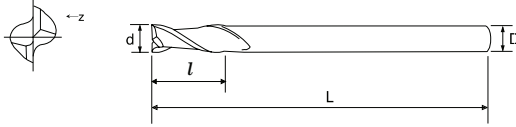
HRC > 45

35°

a1
b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6µm



Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTIBN	TISIN	ZrN-A
6	16	75	6	2	P-SLE0602	.00	.01	.02	.03
6	16	100	6	2	P-MLE0602	.00	.01	.02	.03
8	20	75	8	2	P-SLE0802	.00	.01	.02	.03
8	20	100	8	2	P-MLE0802	.00	.01	.02	.03
10	25	100	10	2	P-SLE1002	.00	.01	.02	.03
10	25	150	10	2	P-MLE1002	.00	.01	.02	.03
12	32	100	12	2	P-SLE1202	.00	.01	.02	.03
12	32	150	12	2	P-MLE1202	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC						
	○	○									○	○
ALTIBN	◎	◎	○	○			○					
TISIN	○	○	○	○								
ZrN-A	◎	◎	○	○			◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 P336-337
Cutting Condition

Square Type - Long Shank - 4 flutes

4刃長柄立銑刀

600 PLUS

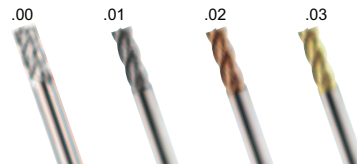
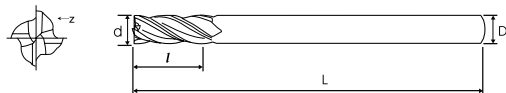
HRC > 45

35°

a/b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTIBN	TISIN	ZrN-A	
6	16	75	6	4	P-SLE0604	.00	.01	.02	.03
6	16	100	6	4	P-MLE0604	.00	.01	.02	.03
8	20	75	8	4	P-SLE0804	.00	.01	.02	.03
8	20	100	8	4	P-MLE0804	.00	.01	.02	.03
10	30	100	10	4	P-SLE1004	.00	.01	.02	.03
10	30	150	10	4	P-MLE1004	.00	.01	.02	.03
12	32	100	12	4	P-SLE1204	.00	.01	.02	.03
12	32	150	12	4	P-MLE1204	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC						
	○	○								○	○	
ALTIBN	◎	◎	○	○			○					
TISIN	○	○	○	○								
ZrN-A	◎	◎	○	○			◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 **P338**
Cutting Condition

Square Type - Long Flute - 2 flutes

■ 2刃長刃立銑刀

600 PLUS

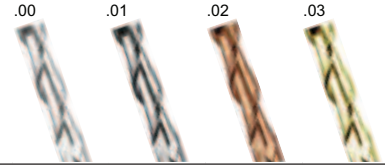
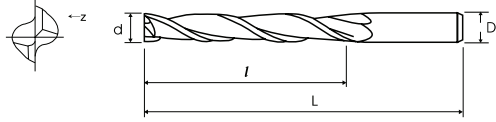
HRC ▶ 45

35°

a
b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
1	7	50	4	2	P-LET0102	.00	.01	.02	.03
1.5	9	50	4	2	P-LET0152	.00	.01	.02	.03
2	12	50	4	2	P-LET0202	.00	.01	.02	.03
2.5	12	50	4	2	P-LET0252	.00	.01	.02	.03
3	15	60	6	2	P-LET0302	.00	.01	.02	.03
3.5	15	60	6	2	P-LET0352	.00	.01	.02	.03
4	20	75	6	2	P-LET0402	.00	.01	.02	.03
4.5	20	75	6	2	P-LET0452	.00	.01	.02	.03
5	25	75	6	2	P-LET0502	.00	.01	.02	.03
5.5	25	75	6	2	P-LET0552	.00	.01	.02	.03
6	30	75	6	2	P-LET0602	.00	.01	.02	.03
7	30	100	8	2	P-LET0702	.00	.01	.02	.03
8	40	100	8	2	P-LET0802	.00	.01	.02	.03
9	40	100	10	2	P-LET0902	.00	.01	.02	.03
10	40	100	10	2	P-LET1002	.00	.01	.02	.03
11	40	100	12	2	P-LET1102	.00	.01	.02	.03
12	50	100	12	2	P-LET1202	.00	.01	.02	.03
14	50	150	16	2	P-LET1402	.00	.01	.02	.03
16	60	150	16	2	P-LET1602	.00	.01	.02	.03
20	90	200	20	2	P-LET2002	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○								○	○
ALTiBN	◎	◎	○	○			○				
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○			◎	○	○		

Unit/單位: mm

600⁺ 切削條件表 P339

Cutting Condition

Square Type - Long Flute - 4 flutes

■ 4刃長刃立銑刀

600 PLUS

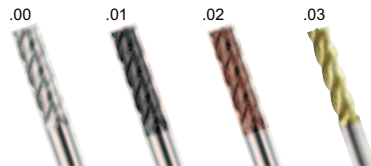
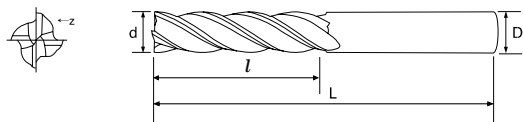
HRC > 45

35°

a/b
b>a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65

Dimension 規格					Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	L 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
1	6	50	4	4	P-LET0104	.00	.01	.02	.03
1.5	9	50	4	4	P-LET0154	.00	.01	.02	.03
2	12	50	4	4	P-LET0204	.00	.01	.02	.03
2.5	12	50	4	4	P-LET0254	.00	.01	.02	.03
3	15	60	6	4	P-LET0304	.00	.01	.02	.03
3.5	15	60	6	4	P-LET0354	.00	.01	.02	.03
4	20	75	6	4	P-LET0404	.00	.01	.02	.03
4.5	20	75	6	4	P-LET0454	.00	.01	.02	.03
5	25	75	6	4	P-LET0504	.00	.01	.02	.03
5.5	25	75	6	4	P-LET0554	.00	.01	.02	.03
6	30	75	6	4	P-LET0604	.00	.01	.02	.03
7	30	100	8	4	P-LET0704	.00	.01	.02	.03
8	40	100	8	4	P-LET0804	.00	.01	.02	.03
9	40	100	10	4	P-LET0904	.00	.01	.02	.03
10	40	100	10	4	P-LET1004	.00	.01	.02	.03
11	40	100	12	4	P-LET1104	.00	.01	.02	.03
12	50	100	12	4	P-LET1204	.00	.01	.02	.03
14	50	150	16	4	P-LET1404	.00	.01	.02	.03
16	60	150	16	4	P-LET1604	.00	.01	.02	.03
20	90	200	20	4	P-LET2004	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○								○	○
ALTiBN	◎	◎	○	○			○				
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○			◎	○	○		

Unit/單位: mm

600⁺ 切削條件表 P340-341
Cutting Condition

Square Type - Long Neck - 2 flutes

2刃深溝長頸立銑刀

600 PLUS

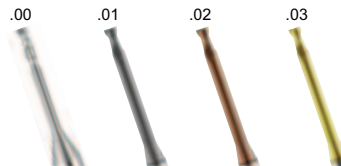
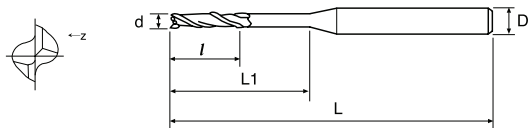
HRC > 45

35°

a/b
b>a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼				
Diameter	Flute Length	Efficient Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L1 有效長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
0.5	0.75	2	50	4	2	P-LNT05022	.00	.01	.02	.03
0.5	0.75	4	50	4	2	P-LNT05042	.00	.01	.02	.03
0.5	0.75	6	50	4	2	P-LNT05062	.00	.01	.02	.03
0.6	0.9	2	50	4	2	P-LNT06022	.00	.01	.02	.03
0.6	0.9	4	50	4	2	P-LNT06042	.00	.01	.02	.03
0.6	0.9	6	50	4	2	P-LNT06062	.00	.01	.02	.03
0.7	1.1	4	50	4	2	P-LNT07042	.00	.01	.02	.03
0.7	1.1	6	50	4	2	P-LNT07062	.00	.01	.02	.03
0.8	1.2	4	50	4	2	P-LNT08042	.00	.01	.02	.03
0.8	1.2	6	50	4	2	P-LNT08062	.00	.01	.02	.03
0.8	1.2	8	50	4	2	P-LNT08082	.00	.01	.02	.03
0.9	1.4	6	50	4	2	P-LNT09062	.00	.01	.02	.03
0.9	1.4	8	50	4	2	P-LNT09082	.00	.01	.02	.03
0.9	1.4	10	50	4	2	P-LNT09102	.00	.01	.02	.03
1	1.5	6	50	4	2	P-LNT10062	.00	.01	.02	.03
1	1.5	8	50	4	2	P-LNT10082	.00	.01	.02	.03
1	1.5	10	50	4	2	P-LNT10102	.00	.01	.02	.03
1	1.5	12	50	4	2	P-LNT10122	.00	.01	.02	.03
1	1.5	16	50	4	2	P-LNT10162	.00	.01	.02	.03
1.2	1.8	6	50	4	2	P-LNT12062	.00	.01	.02	.03
1.2	1.8	8	50	4	2	P-LNT12082	.00	.01	.02	.03
1.2	1.8	10	50	4	2	P-LNT12102	.00	.01	.02	.03
1.2	1.8	12	50	4	2	P-LNT12122	.00	.01	.02	.03
1.4	2.1	6	50	4	2	P-LNT14062	.00	.01	.02	.03
1.4	2.1	10	50	4	2	P-LNT14102	.00	.01	.02	.03

HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65

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Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼 ~45HRC	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
			~50HRC	~55HRC	~60HRC	~65HRC					
	○	○							○	○	
ALTiBN	◎	◎	○	○		○					
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○		◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 P340-341

Cutting Condition

Square Type - Long Neck - 2 flutes

2刃深溝長頸立銑刀

600 PLUS

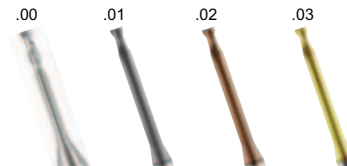
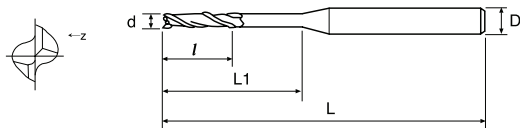
HRC > 45

35°

a/b
b>a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼				
Diameter	Flute Length	Efficient Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L1 有效長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
1.4	2.1	16	50	4	2	P-LNT14162	.00	.01	.02	.03
1.5	2.3	6	50	4	2	P-LNT15062	.00	.01	.02	.03
1.5	2.3	8	50	4	2	P-LNT15082	.00	.01	.02	.03
1.5	2.3	10	50	4	2	P-LNT15102	.00	.01	.02	.03
1.5	2.3	12	50	4	2	P-LNT15122	.00	.01	.02	.03
1.5	2.3	14	50	4	2	P-LNT15142	.00	.01	.02	.03
1.5	2.3	16	50	4	2	P-LNT15162	.00	.01	.02	.03
1.5	2.3	18	50	4	2	P-LNT15182	.00	.01	.02	.03
1.5	2.3	20	50	4	2	P-LNT15202	.00	.01	.02	.03
1.6	2.4	6	50	4	2	P-LNT16062	.00	.01	.02	.03
1.6	2.4	8	50	4	2	P-LNT16082	.00	.01	.02	.03
1.6	2.4	10	50	4	2	P-LNT16102	.00	.01	.02	.03
1.6	2.4	12	50	4	2	P-LNT16122	.00	.01	.02	.03
1.6	2.4	14	50	4	2	P-LNT16142	.00	.01	.02	.03
1.6	2.4	16	50	4	2	P-LNT16162	.00	.01	.02	.03
1.6	2.4	18	50	4	2	P-LNT16182	.00	.01	.02	.03
1.8	2.7	8	50	4	2	P-LNT18082	.00	.01	.02	.03
1.8	2.7	14	50	4	2	P-LNT18142	.00	.01	.02	.03
1.8	2.7	20	50	4	2	P-LNT18202	.00	.01	.02	.03
2	3	6	50	4	2	P-LNT20062	.00	.01	.02	.03
2	3	8	50	4	2	P-LNT20082	.00	.01	.02	.03
2	3	10	50	4	2	P-LNT20102	.00	.01	.02	.03
2	3	12	50	4	2	P-LNT20122	.00	.01	.02	.03
2	3	14	50	4	2	P-LNT20142	.00	.01	.02	.03
2	3	16	50	4	2	P-LNT20162	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
			~45HRC	~50HRC	~55HRC	~60HRC					
	○	○							○	○	
ALTiBN	◎	◎	○	○		○					
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○		◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 **P340-341**
Cutting Condition

Square Type - Long Neck - 2 flutes

2刃深溝長頸立銑刀

600 PLUS

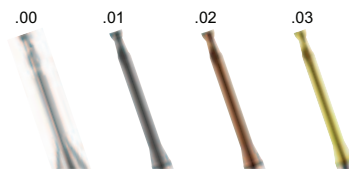
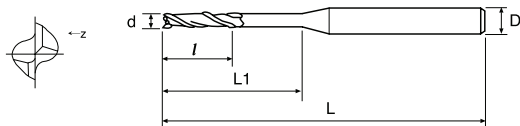
HRC > 45

35°

a
b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼				
Diameter	Flute Length	Efficient Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L1 有效長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
2	3	18	50	4	2	P-LNT20182	.00	.01	.02	.03
2	3	20	50	4	2	P-LNT20202	.00	.01	.02	.03
2.5	4	8	50	4	2	P-LNT25082	.00	.01	.02	.03
2.5	4	10	50	4	2	P-LNT25102	.00	.01	.02	.03
2.5	4	12	50	4	2	P-LNT25122	.00	.01	.02	.03
2.5	4	14	50	4	2	P-LNT25142	.00	.01	.02	.03
2.5	4	16	50	4	2	P-LNT25162	.00	.01	.02	.03
2.5	4	20	50	4	2	P-LNT25202	.00	.01	.02	.03
3	4.5	8	50	6	2	P-LNT30082	.00	.01	.02	.03
3	4.5	10	50	6	2	P-LNT30102	.00	.01	.02	.03
3	4.5	12	50	6	2	P-LNT30122	.00	.01	.02	.03
3	4.5	16	60	6	2	P-LNT30162	.00	.01	.02	.03
3	4.5	20	60	6	2	P-LNT30202	.00	.01	.02	.03
3	4.5	25	75	6	2	P-LNT30252	.00	.01	.02	.03
3.5	6	12	50	6	2	P-LNT35122	.00	.01	.02	.03
3.5	6	16	60	6	2	P-LNT35162	.00	.01	.02	.03
3.5	6	20	75	6	2	P-LNT35202	.00	.01	.02	.03
3.5	6	25	75	6	2	P-LNT35252	.00	.01	.02	.03
3.5	6	30	75	6	2	P-LNT35302	.00	.01	.02	.03
4	6	12	50	6	2	P-LNT40122	.00	.01	.02	.03
4	6	16	60	6	2	P-LNT40162	.00	.01	.02	.03
4	6	20	75	6	2	P-LNT40202	.00	.01	.02	.03
4	6	25	75	6	2	P-LNT40252	.00	.01	.02	.03
4	6	30	75	6	2	P-LNT40302	.00	.01	.02	.03
4	6	35	75	6	2	P-LNT40352	.00	.01	.02	.03

HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65

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Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼 ~45HRC	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
			~50HRC	~55HRC	~60HRC	~65HRC					
	○	○							○	○	
ALTiBN	◎	◎	○	○		○					
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○		◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 **P342**
Cutting Condition

Fine Pitch & Roughing Type - 3 flutes

3刃粗精銑立銑刀

600 PLUS

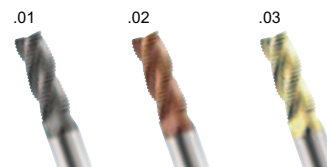
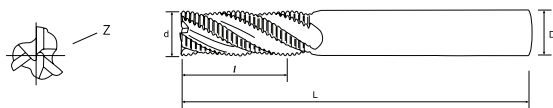
HRC > 45

40°

$a > b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65

Icon 1

Icon 2

Icon 3

Icon 4

Icon 5

Icon 6

Icon 7

Icon 8

Icon 9

Icon 10

Icon 11

Icon 12

Dimension 規格					Purchase Code 採購代碼			
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層		
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A
4	8	50	6	3	P-NTA0403	.01	.02	.03
5	13	50	6	3	P-NTA0503	.01	.02	.03
6	16	50	6	3	P-NTA0603	.01	.02	.03
7	16	60	8	3	P-NTA0703	.01	.02	.03
8	19	60	8	3	P-NTA0803	.01	.02	.03
9	25	75	10	3	P-NTA0903	.01	.02	.03
10	25	75	10	3	P-NTA1003	.01	.02	.03
11	30	75	12	3	P-NTA1103	.01	.02	.03
12	30	75	12	3	P-NTA1203	.01	.02	.03
16	35	100	16	3	P-NTA1603	.01	.02	.03
20	45	100	20	3	P-NTA2003	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTiBN	◎	◎	○				○				
TiSiN	○	◎	○	○							
ZrN-A	◎	◎	○				○				

600⁺ 切削條件表 **P343**
Cutting Condition

Fine Pitch & Roughing Type - 4 flutes

4刃粗精銑立銑刀

600 PLUS

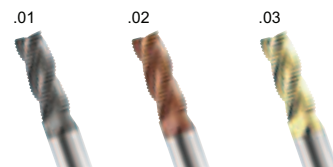
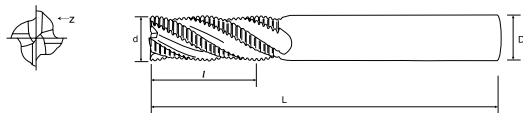
HRC > 45

40°

a_1
 $b > a$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼			
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層		
d 刃徑	L 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A
4	8	50	6	4	P-NTA0404	.01	.02	.03
5	13	50	6	4	P-NTA0504	.01	.02	.03
6	16	50	6	4	P-NTA0604	.01	.02	.03
7	16	60	8	4	P-NTA0704	.01	.02	.03
8	19	60	8	4	P-NTA0804	.01	.02	.03
9	25	75	10	4	P-NTA0904	.01	.02	.03
10	25	75	10	4	P-NTA1004	.01	.02	.03
11	30	75	12	4	P-NTA1104	.01	.02	.03
12	30	75	12	4	P-NTA1204	.01	.02	.03
14	35	100	16	4	P-NTA1404	.01	.02	.03
15	35	100	16	4	P-NTA1504	.01	.02	.03
16	35	100	16	4	P-NTA1604	.01	.02	.03
20	45	100	20	4	P-NTA2004	.01	.02	.03

HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65



Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTiBN	◎	◎	○				○				
TiSiN	○	◎	○	○							
ZrN-A	◎	◎	○				○				

Unit/單位: mm

600⁺ 切削條件表 **P344**
Cutting Condition

Roughing Type - 3 flutes

3刃粗銑立銑刀

600 PLUS

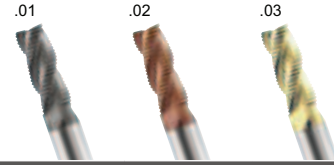
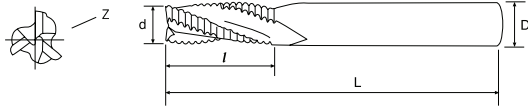
HRC > 45

25°

$a > b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼			
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層		
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTIBN	TISIN	ZrN-A
4	8	50	6	3	P-XTA0403	.01	.02	.03
5	13	50	6	3	P-XTA0503	.01	.02	.03
6	16	50	6	3	P-XTA0603	.01	.02	.03
7	16	60	8	3	P-XTA0703	.01	.02	.03
8	19	60	8	3	P-XTA0803	.01	.02	.03
9	25	75	10	3	P-XTA0903	.01	.02	.03
10	25	75	10	3	P-XTA1003	.01	.02	.03
11	30	75	12	3	P-XTA1103	.01	.02	.03
12	30	75	12	3	P-XTA1203	.01	.02	.03
16	35	100	16	3	P-XTA1603	.01	.02	.03
20	45	100	20	3	P-XTA2003	.01	.02	.03

- HRC > 40
- HRC > 45
- HRC > 50
- HRC > 55
- HRC > 60
- HRC > 65
-
-
-
-
-
-
-
-
-
-
-
-

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC						
ALTIBN	◎	◎	○				○					
TISIN	○	◎	○	○								
ZrN-A	◎	◎	○				○					

Unit/單位: mm

600⁺ 切削條件表 **P345**
Cutting Condition

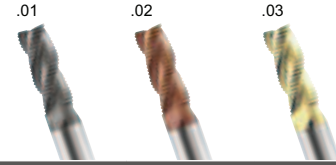
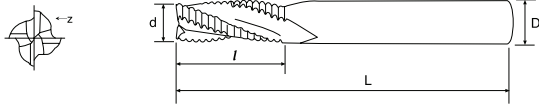
Roughing Type - 4 flutes

■ 4粗銑立銑刀



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格					Purchase Code 採購代碼			
Diameter	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層		
d 刃徑	l 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTIBN	TISIN	ZrN-A
4	8	50	6	4	P-XTA0404	.01	.02	.03
5	13	50	6	4	P-XTA0504	.01	.02	.03
6	16	50	6	4	P-XTA0604	.01	.02	.03
7	16	60	8	4	P-XTA0704	.01	.02	.03
8	19	60	8	4	P-XTA0804	.01	.02	.03
9	25	75	10	4	P-XTA0904	.01	.02	.03
10	25	75	10	4	P-XTA1004	.01	.02	.03
11	30	75	12	4	P-XTA1104	.01	.02	.03
12	30	75	12	4	P-XTA1204	.01	.02	.03
16	35	100	16	4	P-XTA1604	.01	.02	.03
20	45	100	20	4	P-XTA2004	.01	.02	.03

- HRC > 40
- HRC > 45
- HRC > 50
- HRC > 55
- HRC > 60
- HRC > 65
- (Various end mill icons)

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTIBN	◎	◎	○				○				
TISIN	○	◎	○	○							
ZrN-A	◎	◎	○				○				

Unit/單位: mm

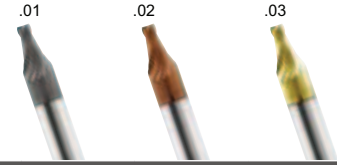
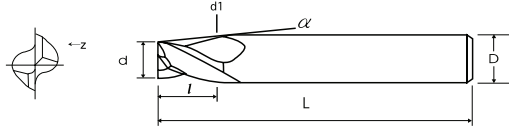
600⁺ 切削條件表 **P346**
Cutting Condition

Taper Square Type - 2 flutes ■ 2刃斜度立銑刀



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格							Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	α	d1	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑		大徑	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A	
0.5	2	50	4	30"	0.53	2	P-TTA005005	.01	.02	.03	
0.5	2	50	4	1°	0.57	2	P-TTA005010	.01	.02	.03	
0.5	2	50	4	1°30"	0.6	2	P-TTA005015	.01	.02	.03	
0.5	2	50	4	2°	0.64	2	P-TTA005020	.01	.02	.03	
0.5	2	50	4	2°30"	0.67	2	P-TTA005025	.01	.02	.03	
0.5	2	50	4	3°	0.71	2	P-TTA005030	.01	.02	.03	
0.5	2	50	4	5°	0.85	2	P-TTA005050	.01	.02	.03	
0.5	2	50	4	7°	0.99	2	P-TTA005070	.01	.02	.03	
0.5	2	50	4	10°	1.21	2	P-TTA005100	.01	.02	.03	
1	4	50	4	30"	1.07	2	P-TTA010005	.01	.02	.03	
1	4	50	4	1°	1.14	2	P-TTA010010	.01	.02	.03	
1	4	50	4	1°30"	1.21	2	P-TTA010015	.01	.02	.03	
1	4	50	4	2°	1.28	2	P-TTA010020	.01	.02	.03	
1	4	50	4	2°30"	1.35	2	P-TTA010025	.01	.02	.03	
1	4	50	4	3°	1.42	2	P-TTA010030	.01	.02	.03	
1	4	50	4	5°	1.7	2	P-TTA010050	.01	.02	.03	
1	4	50	4	7°	1.98	2	P-TTA010070	.01	.02	.03	
1	4	50	4	10°	2.41	2	P-TTA010100	.01	.02	.03	
1.5	5	50	4	30"	1.59	2	P-TTA015005	.01	.02	.03	
1.5	5	50	4	1°	1.67	2	P-TTA015010	.01	.02	.03	
1.5	5	50	4	1°30"	1.76	2	P-TTA015015	.01	.02	.03	
1.5	5	50	4	2°	1.85	2	P-TTA015020	.01	.02	.03	

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTiBN	○	◎	○	○			○				
TiSiN	○	◎	◎	○							
ZrN-A	○	◎	○	○			○	○			

600⁺ 切削條件表 **P346**
Cutting Condition

Taper Square Type - 2 flutes

■ 2刃斜度立銑刀

600 PLUS

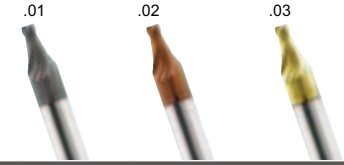
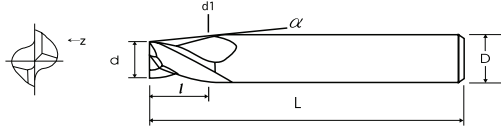
HRC > 55

35°

$a < b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格							Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	α	d1	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑		大徑	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A	
1.5	5	50	4	2°30"	1.93	2	P-TTA015025	.01	.02	.03	
1.5	5	50	4	3°	2.02	2	P-TTA015030	.01	.02	.03	
1.5	5	50	4	5°	2.37	2	P-TTA015050	.01	.02	.03	
1.5	5	50	4	7°	2.73	2	P-TTA015070	.01	.02	.03	
1.5	5	50	4	10°	3.26	2	P-TTA015100	.01	.02	.03	
2	6	50	4	30"	2.1	2	P-TTA020005	.01	.02	.03	
2	6	50	4	1°	2.21	2	P-TTA020010	.01	.02	.03	
2	6	50	4	1°30"	2.31	2	P-TTA020015	.01	.02	.03	
2	6	50	4	2°	2.41	2	P-TTA020020	.01	.02	.03	
2	6	50	4	2°30"	2.52	2	P-TTA020025	.01	.02	.03	
2	6	50	4	3°	2.62	2	P-TTA020030	.01	.02	.03	
2	6	50	4	5°	3.05	2	P-TTA020050	.01	.02	.03	
2	6	50	4	7°	3.47	2	P-TTA020070	.01	.02	.03	
2	6	50	4	10°	4.11	2	P-TTA020100	.01	.02	.03	
2.5	8	50	4	30"	2.64	2	P-TTA025005	.01	.02	.03	
2.5	8	50	4	1°	2.78	2	P-TTA025010	.01	.02	.03	
2.5	8	50	4	1°30"	2.91	2	P-TTA025015	.01	.02	.03	
2.5	8	50	4	2°	3.05	2	P-TTA025020	.01	.02	.03	
2.5	8	50	4	2°30"	3.2	2	P-TTA025025	.01	.02	.03	
2.5	8	50	4	3°	3.33	2	P-TTA025030	.01	.02	.03	
2.5	8	50	4	5°	3.9	2	P-TTA025050	.01	.02	.03	
2.5	8	50	6	7°	4.46	2	P-TTA025070	.01	.02	.03	

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC						
ALTiBN	○	◎	○	○			○					
TiSiN	○	◎	◎	○								
ZrN-A	○	◎	○	○			○	○				

Unit/單位: mm

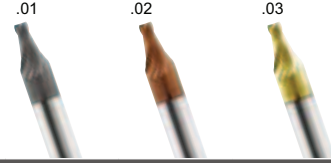
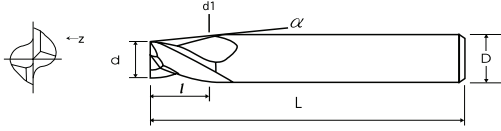
600⁺ 切削條件表 **P346**
Cutting Condition

Taper Square Type - 2 flutes ■ 2刃斜度立銑刀



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格							Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	α	d1	Flutes	MODE	Coating 塗層			
d 刃徑	刃長	L 全長	D 柄徑		大徑	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A	
2.5	8	50	6	10°	5.32	2	P-TTA025100	.01	.02	.03	
3	10	50	6	30"	3.17	2	P-TTA030005	.01	.02	.03	
3	10	50	6	1°	3.35	2	P-TTA030010	.01	.02	.03	
3	10	50	6	1°30"	3.52	2	P-TTA030015	.01	.02	.03	
3	10	50	6	2°	3.69	2	P-TTA030020	.01	.02	.03	
3	10	50	6	2°30"	3.87	2	P-TTA030025	.01	.02	.03	
3	10	50	6	3°	4.05	2	P-TTA030030	.01	.02	.03	
3	10	50	6	5°	4.75	2	P-TTA030050	.01	.02	.03	
3	10	50	6	7°	5.46	2	P-TTA030070	.01	.02	.03	
3	10	50	6	10°	6	2	P-TTA030100	.01	.02	.03	
4	15	50	6	30"	4.26	2	P-TTA040005	.01	.02	.03	
4	15	50	6	1°	4.52	2	P-TTA040010	.01	.02	.03	
4	15	50	6	1°30"	4.79	2	P-TTA040015	.01	.02	.03	
4	15	50	6	2°	5.04	2	P-TTA040020	.01	.02	.03	
4	15	50	6	2°30"	5.31	2	P-TTA040025	.01	.02	.03	
4	15	50	6	3°	5.57	2	P-TTA040030	.01	.02	.03	
4	15	60	8	5°	6.62	2	P-TTA040050	.01	.02	.03	
4	15	60	8	7°	7.68	2	P-TTA040070	.01	.02	.03	
5	20	60	6	30"	5.34	2	P-TTA050005	.01	.02	.03	
5	20	60	6	1°	5.7	2	P-TTA050010	.01	.02	.03	
5	20	60	6	1°30"	6.04	2	P-TTA050015	.01	.02	.03	
5	20	60	8	2°	6.39	2	P-TTA050020	.01	.02	.03	
5	20	60	8	2°30"	6.74	2	P-TTA050025	.01	.02	.03	

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC						
ALTiBN	○	◎	○	○			○					
TiSiN	○	◎	◎	○								
ZrN-A	○	◎	○	○			○	○				

Unit/單位: mm

600⁺ 切削條件表 **P346**
Cutting Condition

Taper Square Type - 2 flutes

2刃斜度立銑刀

600 PLUS

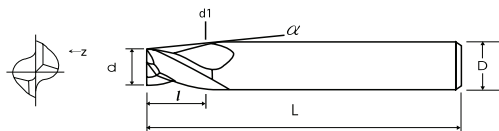
HRC > 55

35°

$a > b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格							Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	α	d1	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑		大徑	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A	
5	20	60	8	3°	7.1	2	P-TTA050030	.01	.02	.03	
5	20	75	10	5°	8.5	2	P-TTA050050	.01	.02	.03	
5	20	75	10	7°	9.91	2	P-TTA050070	.01	.02	.03	
6	20	60	8	30"	6.35	2	P-TTA060005	.01	.02	.03	
6	20	60	8	1°	6.7	2	P-TTA060010	.01	.02	.03	
6	20	60	8	1°30"	7.05	2	P-TTA060015	.01	.02	.03	
6	20	60	8	2°	7.4	2	P-TTA060020	.01	.02	.03	
6	20	60	8	2°30"	7.75	2	P-TTA060025	.01	.02	.03	
6	19	60	8	3°	7.99	2	P-TTA060030	.01	.02	.03	
6	20	75	10	5°	9.5	2	P-TTA060050	.01	.02	.03	
8	25	75	10	30"	8.44	2	P-TTA080005	.01	.02	.03	
8	25	75	10	1°	8.87	2	P-TTA080010	.01	.02	.03	
8	25	75	10	1°30"	9.31	2	P-TTA080015	.01	.02	.03	
8	25	75	10	2°	9.74	2	P-TTA080020	.01	.02	.03	
8	25	75	12	2°30"	10.18	2	P-TTA080025	.01	.02	.03	
8	25	75	12	3°	10.62	2	P-TTA080030	.01	.02	.03	
8	22	100	12	5°	11.8	2	P-TTA080050	.01	.02	.03	
10	35	100	12	30"	10.61	2	P-TTA100005	.01	.02	.03	
10	35	100	12	1°	11.22	2	P-TTA100010	.01	.02	.03	
10	35	100	12	1°30"	11.83	2	P-TTA100015	.01	.02	.03	
10	35	100	12	2°	11.96	2	P-TTA100020	.01	.02	.03	
10	35	100	16	2°30"	13.06	2	P-TTA100025	.01	.02	.03	
10	35	100	16	3°	13.67	2	P-TTA100030	.01	.02	.03	
10	35	100	16	5°	16.12	2	P-TTA100050	.01	.02	.03	

HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65

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Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC						
ALTiBN	○	◎	○	○			○					
TiSiN	○	◎	◎	○								
ZrN-A	○	◎	○	○			○	○				

Unit/單位: mm

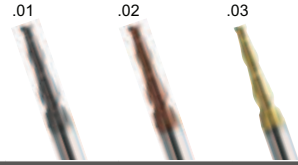
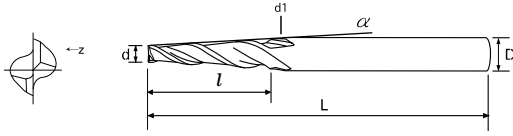
600⁺ 切削條件表 **P346**
Cutting Condition

Taper Type - Long flute - 2 flutes ■ 2刃長刃斜度立銑刀



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格							Purchase Code 採購代碼				
Diameter	Flute Length	Full Length	Shank Diameter	α	d1	Flutes	MODE	Coating 塗層			
d 刃徑	l 刃長	L 全長	D 柄徑		大徑	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A	
1	10	50	4	30"	1.17	2	P-LTTA010005	.01	.02	.03	
1	10	50	4	1°	1.35	2	P-LTTA010010	.01	.02	.03	
1	10	50	4	1°30"	1.52	2	P-LTTA010015	.01	.02	.03	
1	10	50	4	2°	1.7	2	P-LTTA010020	.01	.02	.03	
1	10	50	4	2°30"	1.87	2	P-LTTA010025	.01	.02	.03	
1	10	50	4	3°	2.05	2	P-LTTA010030	.01	.02	.03	
1	10	50	4	5°	2.74	2	P-LTTA010050	.01	.02	.03	
1	10	50	4	7°	3.44	2	P-LTTA010070	.01	.02	.03	
1.5	10	50	4	30"	1.67	2	P-LTTA015005	.01	.02	.03	
1.5	10	50	4	1°	1.85	2	P-LTTA015010	.01	.02	.03	
1.5	10	50	4	1°30"	2.02	2	P-LTTA015015	.01	.02	.03	
1.5	10	50	4	2°	2.2	2	P-LTTA015020	.01	.02	.03	
1.5	10	50	4	2°30"	2.37	2	P-LTTA015025	.01	.02	.03	
1.5	10	50	4	3°	2.55	2	P-LTTA015030	.01	.02	.03	
1.5	10	50	4	5°	3.24	2	P-LTTA015050	.01	.02	.03	
1.5	10	50	4	7°	3.94	2	P-LTTA015070	.01	.02	.03	
2	13	50	4	30"	2.22	2	P-LTTA020005	.01	.02	.03	
2	13	50	4	1°	2.45	2	P-LTTA020010	.01	.02	.03	
2	13	50	4	1°30"	2.68	2	P-LTTA020015	.01	.02	.03	
2	13	50	4	2°	2.9	2	P-LTTA020020	.01	.02	.03	
2	13	50	4	2°30"	3.13	2	P-LTTA020025	.01	.02	.03	
2	13	50	4	3°	3.36	2	P-LTTA020030	.01	.02	.03	
2	13	50	6	5°	4.27	2	P-LTTA020050	.01	.02	.03	
2	13	50	6	7°	5.17	2	P-LTTA020070	.01	.02	.03	
2.5	15	50	4	30"	2.76	2	P-LTTA025005	.01	.02	.03	
2.5	15	50	4	1°	3.03	2	P-LTTA025010	.01	.02	.03	
2.5	15	50	4	1°30"	3.29	2	P-LTTA025015	.01	.02	.03	
2.5	15	50	4	2°	3.56	2	P-LTTA025020	.01	.02	.03	
2.5	15	50	4	2°30"	3.81	2	P-LTTA025025	.01	.02	.03	
2.5	15	50	6	3°	4.07	2	P-LTTA025030	.01	.02	.03	
2.5	15	50	6	5°	5.13	2	P-LTTA025050	.01	.02	.03	

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTiBN	○	◎	○	○			○				
TiSiN	○	◎	◎	○							
ZrN-A	○	◎	○	○			○	○			

Unit/單位: mm

600⁺ 切削條件表 **P346**
Cutting Condition

Taper Type - Long flute - 2 flutes

■ 2刃長刃斜度立銑刀

600 PLUS

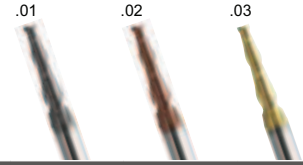
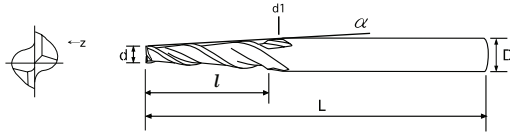
HRC > 55

35°

a/b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格							Purchase Code 採購代碼			
Diameter	Flute Length	Full Length	Shank Diameter	α	d1	Flutes	MODE	Coating 塗層		
d 刃徑	l 刃長	L 全長	D 柄徑		大徑	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A
3	20	60	6	30"	3.35	2	P-LTTA030005	.01	.02	.03
3	20	60	6	1°	3.7	2	P-LTTA030010	.01	.02	.03
3	20	60	6	1°30"	4.05	2	P-LTTA030015	.01	.02	.03
3	20	60	6	2°	4.39	2	P-LTTA030020	.01	.02	.03
3	20	60	6	2°30"	4.65	2	P-LTTA030025	.01	.02	.03
3	20	60	6	3°	5.1	2	P-LTTA030030	.01	.02	.03
3	20	60	8	5°	6.5	2	P-LTTA030050	.01	.02	.03
4	25	60	6	30"	4.44	2	P-LTTA040005	.01	.02	.03
4	25	60	6	1°	4.88	2	P-LTTA040010	.01	.02	.03
4	25	60	6	1°30"	5.13	2	P-LTTA040015	.01	.02	.03
4	25	60	6	2°	5.75	2	P-LTTA040020	.01	.02	.03
4	25	60	8	2°30"	6.19	2	P-LTTA040025	.01	.02	.03
4	25	60	8	3°	6.62	2	P-LTTA040030	.01	.02	.03
4	25	75	10	5°	8.38	2	P-LTTA040050	.01	.02	.03
5	30	75	6	30"	5.52	2	P-LTTA050005	.01	.02	.03
5	30	75	8	1°	6.05	2	P-LTTA050010	.01	.02	.03
5	30	75	8	1°30"	6.57	2	P-LTTA050015	.01	.02	.03
5	30	75	8	2°	7.09	2	P-LTTA050020	.01	.02	.03
5	30	75	8	2°30"	7.62	2	P-LTTA050025	.01	.02	.03
5	30	75	10	3°	8.14	2	P-LTTA050030	.01	.02	.03
5	30	75	12	5°	10.25	2	P-LTTA050050	.01	.02	.03
6	35	75	8	30"	6.61	2	P-LTTA060005	.01	.02	.03
6	35	75	8	1°	7.22	2	P-LTTA060010	.01	.02	.03
6	35	75	8	1°30"	7.83	2	P-LTTA060015	.01	.02	.03
6	35	75	10	2°	8.44	2	P-LTTA060020	.01	.02	.03
6	35	100	10	2°30"	9.05	2	P-LTTA060025	.01	.02	.03
6	35	100	10	3°	9.67	2	P-LTTA060030	.01	.02	.03
6	34	100	12	5°	11.95	2	P-LTTA060050	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTiBN	○	◎	○	○			○				
TiSiN	○	◎	◎	○							
ZrN-A	○	◎	○	○			○	○			

Unit/單位: mm

600⁺

切削條件表 P347-348
Cutting Condition

Miniature Ball Nose Type - 2 flutes

2刃微小徑球型立銑刀

600 PLUS

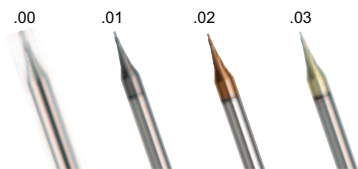
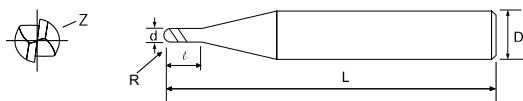
HRC > 40

35°

a/b
b>a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65



Dimension 規格						Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刀徑	R 值	Z 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTIBN	TISIN	ZrN-A	
0.3	0.15	0.6	50	4	2	P-MIB0032	.00	.01	.02	.03
0.4	0.2	0.8	50	4	2	P-MIB0042	.00	.01	.02	.03
0.5	0.25	1	50	4	2	P-MIB0052	.00	.01	.02	.03
0.6	0.3	1.2	50	4	2	P-MIB0062	.00	.01	.02	.03
0.7	0.35	1.4	50	4	2	P-MIB0072	.00	.01	.02	.03
0.8	0.4	1.6	50	4	2	P-MIB0082	.00	.01	.02	.03
0.9	0.45	1.8	50	4	2	P-MIB0092	.00	.01	.02	.03
1	0.5	2	50	4	2	P-MIB0102	.00	.01	.02	.03
1.1	0.55	2.2	50	4	2	P-MIB0112	.00	.01	.02	.03
1.2	0.6	2.4	50	4	2	P-MIB0122	.00	.01	.02	.03
1.3	0.65	2.6	50	4	2	P-MIB0132	.00	.01	.02	.03
1.4	0.7	2.8	50	4	2	P-MIB0142	.00	.01	.02	.03
1.5	0.75	3	50	4	2	P-MIB0152	.00	.01	.02	.03
1.6	0.8	3.2	50	4	2	P-MIB0162	.00	.01	.02	.03
1.7	0.85	3.4	50	4	2	P-MIB0172	.00	.01	.02	.03
1.8	0.9	3.6	50	4	2	P-MIB0182	.00	.01	.02	.03
1.9	0.95	3.8	50	4	2	P-MIB0192	.00	.01	.02	.03
2	1	4	50	4	2	P-MIB0202	.00	.01	.02	.03
2.1	1.05	4.2	50	4	2	P-MIB0212	.00	.01	.02	.03
2.2	1.1	4.4	50	4	2	P-MIB0222	.00	.01	.02	.03
2.3	1.15	4.6	50	4	2	P-MIB0232	.00	.01	.02	.03
2.4	1.2	4.8	50	4	2	P-MIB0242	.00	.01	.02	.03
2.5	1.25	5	50	4	2	P-MIB0252	.00	.01	.02	.03
2.6	1.3	5.2	50	4	2	P-MIB0262	.00	.01	.02	.03
2.7	1.35	5.4	50	4	2	P-MIB0272	.00	.01	.02	.03
2.8	1.4	5.6	50	4	2	P-MIB0282	.00	.01	.02	.03
2.9	1.45	5.8	50	4	2	P-MIB0292	.00	.01	.02	.03
3	1.5	6	50	4	2	P-MIB0302	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼 ~45HRC	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
			~50HRC	~55HRC	~60HRC	~65HRC					
	○	○							○	○	
ALTIBN	◎	◎	◎	○		○					
TISIN	○	○	○	◎							
ZrN-A	◎	◎	◎	○		◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 **P349**
Cutting Condition

Ball Nose Type - 2 flutes 2刃球型立銑刀

600 PLUS

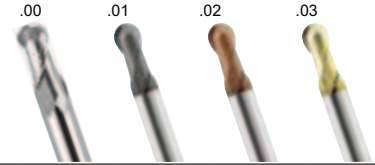
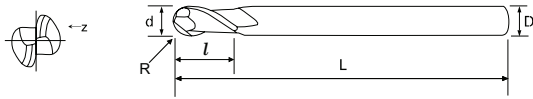
HRC > 45

35°

a1
b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	R 值	L 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
1	0.5	2	50	3	2	P-SSB0102	.00	.01	.02	.03
1	0.5	2	50	4	2	P-MSB0102	.00	.01	.02	.03
1.5	0.75	3	50	3	2	P-SSB0152	.00	.01	.02	.03
1.5	0.75	3	50	4	2	P-MSB0152	.00	.01	.02	.03
2	1	4	50	3	2	P-SSB0202	.00	.01	.02	.03
2	1	4	50	4	2	P-MSB0202	.00	.01	.02	.03
2.5	1.25	5	50	3	2	P-SSB0252	.00	.01	.02	.03
2.5	1.25	5	50	4	2	P-MSB0252	.00	.01	.02	.03
3	1.5	6	50	3	2	P-SSB0302	.00	.01	.02	.03
3	1.5	6	50	4	2	P-MSB0302	.00	.01	.02	.03
3.5	1.75	7	50	4	2	P-MSB0352	.00	.01	.02	.03
4	2	8	50	4	2	P-MSB0402	.00	.01	.02	.03
1	0.5	2	50	6	2	P-SB0102	.00	.01	.02	.03
1.5	0.75	3	50	6	2	P-SB0152	.00	.01	.02	.03
2	1	4	50	6	2	P-SB0202	.00	.01	.02	.03
2.5	1.25	5	50	6	2	P-SB0252	.00	.01	.02	.03
3	1.5	6	50	6	2	P-SB0302	.00	.01	.02	.03
3.5	1.75	7	50	6	2	P-SB0352	.00	.01	.02	.03
4	2	8	50	6	2	P-SB0402	.00	.01	.02	.03
4.5	2.25	9	50	6	2	P-SB0452	.00	.01	.02	.03
5	2.5	10	50	6	2	P-SB0502	.00	.01	.02	.03
5.5	2.75	11	50	6	2	P-SB0552	.00	.01	.02	.03
6	3	12	50	6	2	P-SB0602	.00	.01	.02	.03
7	3.5	14	60	8	2	P-SB0702	.00	.01	.02	.03
8	4	16	60	8	2	P-SB0802	.00	.01	.02	.03
9	4.5	18	75	10	2	P-SB0902	.00	.01	.02	.03
10	5	20	75	10	2	P-SB1002	.00	.01	.02	.03
11	5.5	22	75	12	2	P-SB1102	.00	.01	.02	.03
12	6	24	75	12	2	P-SB1202	.00	.01	.02	.03
14	7	28	100	16	2	P-SB1402	.00	.01	.02	.03
16	8	32	100	16	2	P-SB1602	.00	.01	.02	.03
18	9	36	100	20	2	P-SB1802	.00	.01	.02	.03
20	10	40	100	20	2	P-SB2002	.00	.01	.02	.03

R High precision radius accuracy request is available
±0.003 高精度R值可訂製

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
			~45HRC	~50HRC	~55HRC	~60HRC					
	○	○							○	○	
ALTiBN	◎	◎	◎	○		○					
TiSiN	○	○	○	◎							
ZrN-A	◎	◎	◎	○		◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 **P350**
Cutting Condition

Ball Nose Type - 4 flutes 4刃球型立銑刀

600 PLUS

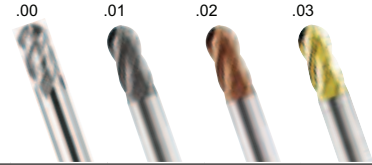
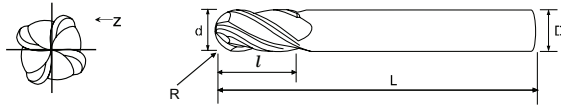
HRC > 45

35°

a/b > a

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	R 值	Z 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
1	0.5	2	50	4	4	P-MSB0104	.00	.01	.02	.03
1.5	0.75	3	50	4	4	P-MSB0154	.00	.01	.02	.03
2	1	4	50	4	4	P-MSB0204	.00	.01	.02	.03
2.5	1.25	5	50	4	4	P-MSB0254	.00	.01	.02	.03
3	1.5	6	50	3	4	P-SSB0304	.00	.01	.02	.03
3	1.5	6	50	4	4	P-MSB0304	.00	.01	.02	.03
3.5	1.75	7	50	4	4	P-MSB0354	.00	.01	.02	.03
4	2	8	50	4	4	P-MSB0404	.00	.01	.02	.03
1	0.5	2	50	6	4	P-SB0104	.00	.01	.02	.03
1.5	0.75	3	50	6	4	P-SB0154	.00	.01	.02	.03
2	1	4	50	6	4	P-SB0204	.00	.01	.02	.03
2.5	1.25	5	50	6	4	P-SB0254	.00	.01	.02	.03
3	1.5	6	50	6	4	P-SB0304	.00	.01	.02	.03
3.5	1.75	7	50	6	4	P-SB0354	.00	.01	.02	.03
4	2	8	50	6	4	P-SB0404	.00	.01	.02	.03
4.5	2.25	9	50	6	4	P-SB0454	.00	.01	.02	.03
5	2.5	10	50	6	4	P-SB0504	.00	.01	.02	.03
5.5	2.75	11	50	6	4	P-SB0554	.00	.01	.02	.03
6	3	12	50	6	4	P-SB0604	.00	.01	.02	.03
7	3.5	14	60	8	4	P-SB0704	.00	.01	.02	.03
8	4	16	60	8	4	P-SB0804	.00	.01	.02	.03
9	4.5	18	75	10	4	P-SB0904	.00	.01	.02	.03
10	5	20	75	10	4	P-SB1004	.00	.01	.02	.03
11	5.5	22	75	12	4	P-SB1104	.00	.01	.02	.03
12	6	24	75	12	4	P-SB1204	.00	.01	.02	.03
14	7	28	100	16	4	P-SB1404	.00	.01	.02	.03
16	8	32	100	16	4	P-SB1604	.00	.01	.02	.03
18	9	36	100	20	4	P-SB1804	.00	.01	.02	.03
20	10	40	100	20	4	P-SB2004	.00	.01	.02	.03

R High precision radius accuracy request is available
±0.003 高精度R值可訂製

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼					Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
			~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○								○	○	
ALTiBN	◎	◎	◎	○			○					
TiSiN	○	○	○	◎								
ZrN-A	◎	◎	◎	○			◎	○	○			

Unit/單位: mm

600⁺ 切削條件表 P347-348
Cutting Condition

Ball Nose Type - Long Shank - 2 flutes

2刃長柄球型立銑刀

600 PLUS

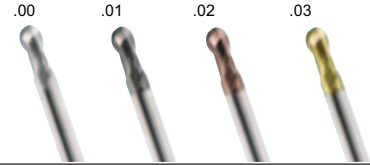
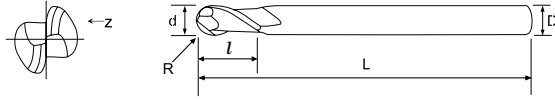
HRC > 45

36°

$a > b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	R 值	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
1	0.5	2	75	6	2	P-SLB0102	.00	.01	.02	.03
1	0.5	2	100	6	2	P-MLB0102	.00	.01	.02	.03
1.5	0.75	3	75	6	2	P-SLB0152	.00	.01	.02	.03
1.5	0.75	3	100	6	2	P-MLB0152	.00	.01	.02	.03
2	1	4	75	6	2	P-SLB0202	.00	.01	.02	.03
2	1	4	100	6	2	P-MLB0202	.00	.01	.02	.03
2.5	1.25	5	75	6	2	P-SLB0252	.00	.01	.02	.03
2.5	1.25	5	100	6	2	P-MLB0252	.00	.01	.02	.03
3	1.5	6	75	6	2	P-SLB0302	.00	.01	.02	.03
3	1.5	6	100	6	2	P-MLB0302	.00	.01	.02	.03
3.5	1.75	7	100	6	2	P-MLB0352	.00	.01	.02	.03
4	2	8	75	6	2	P-SLB0402	.00	.01	.02	.03
4	2	8	100	6	2	P-MLB0402	.00	.01	.02	.03
5	2.5	10	75	6	2	P-SLB0502	.00	.01	.02	.03
5	2.5	10	100	6	2	P-MLB0502	.00	.01	.02	.03
6	3	12	75	6	2	P-SLB0602	.00	.01	.02	.03
6	3	12	100	6	2	P-MLB0602	.00	.01	.02	.03
6	3	12	150	6	2	P-LLB0602	.00	.01	.02	.03
8	4	16	75	8	2	P-SLB0802	.00	.01	.02	.03
8	4	16	100	8	2	P-MLB0802	.00	.01	.02	.03
8	4	16	150	8	2	P-LLB0802	.00	.01	.02	.03
10	5	20	100	10	2	P-MLB1002	.00	.01	.02	.03
10	5	20	150	10	2	P-LLB1002	.00	.01	.02	.03
10	5	20	200	10	2	P-XLB1002	.00	.01	.02	.03
12	6	24	100	12	2	P-MLB1202	.00	.01	.02	.03
12	6	24	150	12	2	P-LLB1202	.00	.01	.02	.03
12	6	24	200	12	2	P-XLB1202	.00	.01	.02	.03
16	8	32	150	16	2	P-LLB1602	.00	.01	.02	.03
16	8	32	200	16	2	P-XLB1602	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○								○	○
ALTiBN	◎	◎	○	○			○				
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○			◎	○	○		

Unit/單位: mm

600⁺ 切削條件表 **P351**
Cutting Condition

Ball Nose Type - Long Neck - 2 flutes

2刃深溝長頸球型立銑刀

600 PLUS

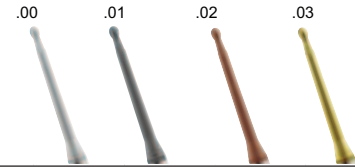
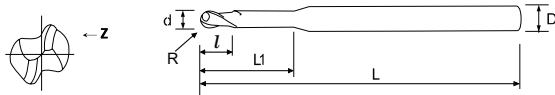
HRC > 45

36°

$a > b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格							Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Efficient Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	R 值	Z 刃長	L1 有效長	L 全長	D 柄徑	Z 刃數	型號	ALTIBN	TISIN	ZrN-A	
0.5	0.25	0.75	2	50	4	2	P-LNBT05022	.00	.01	.02	.03
0.5	0.25	0.75	4	50	4	2	P-LNBT05042	.00	.01	.02	.03
0.5	0.25	0.75	6	50	4	2	P-LNBT05062	.00	.01	.02	.03
0.6	0.3	0.9	2	50	4	2	P-LNBT06022	.00	.01	.02	.03
0.6	0.3	0.9	4	50	4	2	P-LNBT06042	.00	.01	.02	.03
0.6	0.3	0.9	6	50	4	2	P-LNBT06062	.00	.01	.02	.03
0.8	0.4	1.2	4	50	4	2	P-LNBT08042	.00	.01	.02	.03
0.8	0.4	1.2	6	50	4	2	P-LNBT08062	.00	.01	.02	.03
0.8	0.4	1.2	8	50	4	2	P-LNBT08082	.00	.01	.02	.03
1	0.5	1.5	6	50	4	2	P-LNBT10062	.00	.01	.02	.03
1	0.5	1.5	8	50	4	2	P-LNBT10082	.00	.01	.02	.03
1	0.5	1.5	10	50	4	2	P-LNBT10102	.00	.01	.02	.03
1	0.5	1.5	12	50	4	2	P-LNBT10122	.00	.01	.02	.03
1.2	0.6	1.8	6	50	4	2	P-LNBT12062	.00	.01	.02	.03
1.2	0.6	1.8	8	50	4	2	P-LNBT12082	.00	.01	.02	.03
1.2	0.6	1.8	10	50	4	2	P-LNBT12102	.00	.01	.02	.03
1.2	0.6	1.8	12	50	4	2	P-LNBT12122	.00	.01	.02	.03
1.4	0.7	2.1	6	50	4	2	P-LNBT14062	.00	.01	.02	.03
1.4	0.7	2.1	10	50	4	2	P-LNBT14102	.00	.01	.02	.03
1.4	0.7	2.1	16	50	4	2	P-LNBT14162	.00	.01	.02	.03
1.5	0.75	2.3	6	50	4	2	P-LNBT15062	.00	.01	.02	.03
1.5	0.75	2.3	8	50	4	2	P-LNBT15082	.00	.01	.02	.03
1.5	0.75	2.3	10	50	4	2	P-LNBT15102	.00	.01	.02	.03
1.5	0.75	2.3	12	50	4	2	P-LNBT15122	.00	.01	.02	.03
1.5	0.75	2.3	14	50	4	2	P-LNBT15142	.00	.01	.02	.03
1.5	0.75	2.3	16	50	4	2	P-LNBT15162	.00	.01	.02	.03
1.5	0.75	2.3	18	50	4	2	P-LNBT15182	.00	.01	.02	.03
1.5	0.75	2.3	20	50	4	2	P-LNBT15202	.00	.01	.02	.03
1.6	0.8	2.4	6	50	4	2	P-LNBT16062	.00	.01	.02	.03
1.6	0.8	2.4	8	50	4	2	P-LNBT16082	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○							○	○	
ALTIBN	◎	◎	○	○			○				
TISIN	○	○	○	○							
ZrN-A	◎	◎	○	○			◎	○	○		

Unit/單位: mm

600⁺ 切削條件表 **P351**
Cutting Condition

Ball Nose Type - Long Neck - 2 flutes

2刃深溝長頸球型立銑刀

600 PLUS

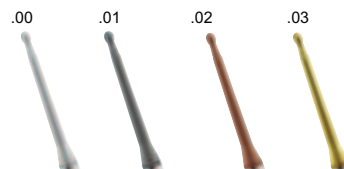
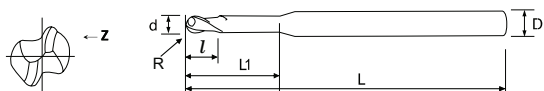
HRC > 45

35°

$a > b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格							Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Efficient Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	R 值	刀長	L1 有效長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
1.6	0.8	2.4	10	50	4	2	P-LNBT16102	.00	.01	.02	.03
1.6	0.8	2.4	12	50	4	2	P-LNBT16122	.00	.01	.02	.03
1.6	0.8	2.4	14	50	4	2	P-LNBT16142	.00	.01	.02	.03
1.6	0.8	2.4	16	50	4	2	P-LNBT16162	.00	.01	.02	.03
1.6	0.8	2.4	18	50	4	2	P-LNBT16182	.00	.01	.02	.03
1.6	0.8	2.4	20	50	4	2	P-LNBT16202	.00	.01	.02	.03
1.8	0.9	2.7	8	50	4	2	P-LNBT18082	.00	.01	.02	.03
1.8	0.9	2.7	14	50	4	2	P-LNBT18142	.00	.01	.02	.03
1.8	0.9	2.7	20	50	4	2	P-LNBT18202	.00	.01	.02	.03
2	1	3	8	50	4	2	P-LNBT20082	.00	.01	.02	.03
2	1	3	10	50	4	2	P-LNBT20102	.00	.01	.02	.03
2	1	3	12	50	4	2	P-LNBT20122	.00	.01	.02	.03
2	1	3	14	50	4	2	P-LNBT20142	.00	.01	.02	.03
2	1	3	16	50	4	2	P-LNBT20162	.00	.01	.02	.03
2	1	3	18	50	4	2	P-LNBT20182	.00	.01	.02	.03
2	1	3	20	50	4	2	P-LNBT20202	.00	.01	.02	.03
2.5	1.25	4	8	50	4	2	P-LNBT25082	.00	.01	.02	.03
2.5	1.25	4	12	50	4	2	P-LNBT25122	.00	.01	.02	.03
2.5	1.25	4	16	50	4	2	P-LNBT25162	.00	.01	.02	.03
2.5	1.25	4	20	50	4	2	P-LNBT25202	.00	.01	.02	.03
3	1.5	4.5	10	50	6	2	P-LNBT30102	.00	.01	.02	.03
3	1.5	4.5	12	50	6	2	P-LNBT30122	.00	.01	.02	.03
3	1.5	4.5	16	60	6	2	P-LNBT30162	.00	.01	.02	.03
3	1.5	4.5	20	60	6	2	P-LNBT30202	.00	.01	.02	.03
3	1.5	4.5	25	75	6	2	P-LNBT30252	.00	.01	.02	.03
4	2	6	12	50	6	2	P-LNBT40122	.00	.01	.02	.03
4	2	6	16	60	6	2	P-LNBT40162	.00	.01	.02	.03
4	2	6	20	75	6	2	P-LNBT40202	.00	.01	.02	.03
4	2	6	25	75	6	2	P-LNBT40252	.00	.01	.02	.03
4	2	6	30	75	6	2	P-LNBT40302	.00	.01	.02	.03

HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65



Application 適用材質:

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼 ~45HRC	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
			~50HRC	~55HRC	~60HRC	~65HRC					
	○	○							○	○	
ALTiBN	◎	◎	○	○		○					
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○		◎	○	○			

Unit/單位: mm

600⁺

切削條件表 P352
Cutting Condition

Pencil Neck Ball Nose Type - 2 flutes

2刃斜頸球型銑刀

600 PLUS

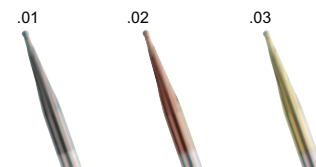
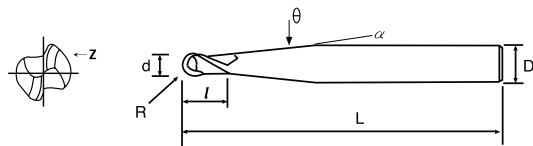
HRC 55

35°

$a > b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格							Purchase Code 採購代碼			
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Bevel	Flutes	MODE	Coating 塗層		
d 刃徑	R 值	刃長	L 全長	D 柄徑	θ 斜度	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A
1	0.5	2	75	6	1°	2	P-PBTA0101	.01	.02	.03
1.5	0.75	3	75	6	1°	2	P-PBTA0151	.01	.02	.03
2	1	4	75	6	1°	2	P-PBTA0201	.01	.02	.03
2	1	12	100	8	5°	2	P-PBTA0205	.01	.02	.03
3	1.5	6	75	6	1°	2	P-PBTA0301	.01	.02	.03
3	1.5	8	100	8	5°	2	P-PBTA0305	.01	.02	.03
4	2	8	75	6	1°	2	P-PBTA0401	.01	.02	.03
4	2	10	100	8	5°	2	P-PBTA0405	.01	.02	.03
6	3	12	100	10	5°	2	P-PBTA0605	.01	.02	.03
6	3	16	150	12	3°	2	P-PBTA0603	.01	.02	.03
8	4	16	100	12	5°	2	P-PBTA0805	.01	.02	.03
8	4	20	150	12	3°	2	P-PBTA0803	.01	.02	.03



Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTiBN	◎	◎	○	○			○				
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○			◎	○	○		

Unit/單位: mm

600⁺ 切削條件表 **P352**
Cutting Condition

Taper Ball Nose Type - 2 flutes

2刃斜度球型立銑刀

600 PLUS

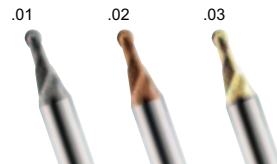
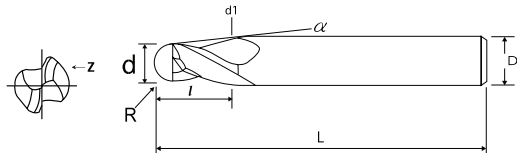
HRC ▶ 55

35°

$a > b$

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格								Purchase Code 採購代碼			
Diameter	Radius	Flute Length	Full Length	Shank Diameter	d1	Flutes	MODE	Coating 塗層			
d 刃徑	R 值	刃長	L 全長	D 柄徑	大徑			α	Z 刃數	型號	ALTiBN
1	0.5	10	50	4	1.17	30"	2	P-TBTA050005	.01	.02	.03
1	0.5	10	50	4	1.35	1°	2	P-TBTA050010	.01	.02	.03
1	0.5	10	50	4	1.52	1°30"	2	P-TBTA050015	.01	.02	.03
1	0.5	10	50	4	1.7	2°	2	P-TBTA050020	.01	.02	.03
1	0.5	10	50	4	1.87	3°	2	P-TBTA050030	.01	.02	.03
1	0.5	10	50	4	2.05	4°	2	P-TBTA050040	.01	.02	.03
1	0.5	10	50	4	2.74	5°	2	P-TBTA050050	.01	.02	.03
1	0.5	10	50	4	3.44	7°	2	P-TBTA050070	.01	.02	.03
1	0.5	10	50	4	4.51	10°	2	P-TBTA050100	.01	.02	.03
1.5	0.75	10	50	4	1.67	30"	2	P-TBTA075005	.01	.02	.03
1.5	0.75	10	50	4	1.85	1°	2	P-TBTA075010	.01	.02	.03
1.5	0.75	10	50	4	2.02	1°30"	2	P-TBTA075015	.01	.02	.03
1.5	0.75	10	50	4	2.2	2°	2	P-TBTA075020	.01	.02	.03
1.5	0.75	10	50	4	2.37	3°	2	P-TBTA075030	.01	.02	.03
1.5	0.75	10	50	4	2.55	4°	2	P-TBTA075040	.01	.02	.03
1.5	0.75	10	50	4	3.24	5°	2	P-TBTA075050	.01	.02	.03
1.5	0.75	10	50	4	3.94	7°	2	P-TBTA075070	.01	.02	.03
1.5	0.75	10	50	6	5.02	10°	2	P-TBTA075100	.01	.02	.03
2	1	13	50	4	2.22	30"	2	P-TBTA100005	.01	.02	.03
2	1	13	50	4	2.45	1°	2	P-TBTA100010	.01	.02	.03
2	1	13	50	4	2.68	1°30"	2	P-TBTA100015	.01	.02	.03
2	1	13	50	4	3.9	2°	2	P-TBTA100020	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTiBN	◎	◎	○	○			○				
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○			◎	○	○		

Unit/單位: mm

600⁺ 切削條件表 **P352**
Cutting Condition

Taper Ball Nose Type - 2 flutes

2 刃斜度球型立銑刀

600 PLUS

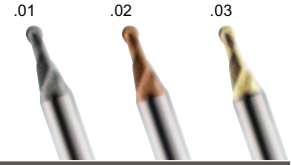
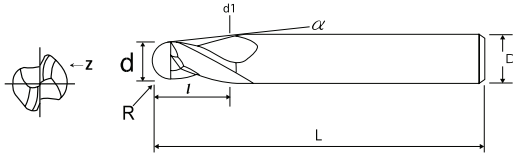
HRC 55

35°

a/b >

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格								Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Full Length	Shank Diameter	d1	Flutes	MODE	Coating 塗層				
d 刃徑	R 值	刃長	L 全長	D 柄徑	大徑			α	Z 刃數	型號	ALTiBN	TiSiN
2	1	13	50	4	3.13	3°	2	P-TBTA100030	.01	.02	.03	
2	1	13	50	4	3.36	4°	2	P-TBTA100040	.01	.02	.03	
2	1	13	50	6	4.27	5°	2	P-TBTA100050	.01	.02	.03	
2	1	13	50	6	5.17	7°	2	P-TBTA100070	.01	.02	.03	
2	1	13	60	8	6.56	10°	2	P-TBTA100100	.01	.02	.03	
2.5	1.25	15	50	4	2.76	30"	2	P-TBTA125005	.01	.02	.03	
2.5	1.25	15	50	4	3.03	1°	2	P-TBTA125010	.01	.02	.03	
2.5	1.25	15	50	4	3.29	1°30"	2	P-TBTA125015	.01	.02	.03	
2.5	1.25	15	50	4	3.56	2°	2	P-TBTA125020	.01	.02	.03	
2.5	1.25	15	50	4	3.81	3°	2	P-TBTA125030	.01	.02	.03	
2.5	1.25	15	50	6	4.07	4°	2	P-TBTA125040	.01	.02	.03	
2.5	1.25	15	50	6	5.13	5°	2	P-TBTA125050	.01	.02	.03	
2.5	1.25	15	60	6	6.17	7°	2	P-TBTA125070	.01	.02	.03	
2.5	1.25	15	60	8	7.77	10°	2	P-TBTA125100	.01	.02	.03	
3	1.5	20	50	4	3.34	30"	2	P-TBTA150005	.01	.02	.03	
3	1.5	20	50	4	3.6	1°	2	P-TBTA150010	.01	.02	.03	
3	1.5	20	60	6	4.04	1°30"	2	P-TBTA150015	.01	.02	.03	
3	1.5	20	60	6	4.39	2°	2	P-TBTA150020	.01	.02	.03	
3	1.5	20	60	6	5.08	3°	2	P-TBTA150030	.01	.02	.03	
3	1.5	20	60	6	5.78	4°	2	P-TBTA150040	.01	.02	.03	
3	1.5	20	60	8	6.48	5°	2	P-TBTA150050	.01	.02	.03	
3	1.5	20	60	8	7.9	7°	2	P-TBTA150070	.01	.02	.03	
3	1.5	20	75	10	10.04	10°	2	P-TBTA150100	.01	.02	.03	

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-hardened steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTiBN	◎	◎	○	○			○				
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○			◎	○	○		

Unit/單位: mm

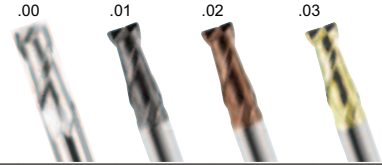
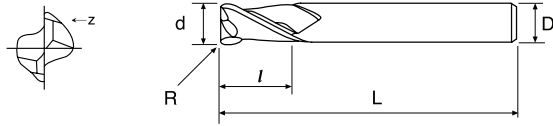
600⁺ 切削條件表 **P353**
Cutting Condition

Corner Radius Type - 2 flutes ■ 2刃圓鼻立銑刀



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	R 值	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTIBN	TiSiN	ZrN-A
1	0.1	3	50	4	2	P-RTA010012	.00	.01	.02	.03
1	0.2	3	50	4	2	P-RTA010022	.00	.01	.02	.03
1	0.3	3	50	4	2	P-RTA010032	.00	.01	.02	.03
1.5	0.2	4	50	4	2	P-RTA015022	.00	.01	.02	.03
1.5	0.3	4	50	4	2	P-RTA015032	.00	.01	.02	.03
2	0.2	6	50	4	2	P-RTA020022	.00	.01	.02	.03
2	0.3	6	50	4	2	P-RTA020032	.00	.01	.02	.03
2	0.5	6	50	4	2	P-RTA020052	.00	.01	.02	.03
2.5	0.2	8	50	4	2	P-RTA025022	.00	.01	.02	.03
3	0.2	8	50	3	2	P-RTA030022	.00	.01	.02	.03
3	0.3	8	50	3	2	P-RTA030032	.00	.01	.02	.03
3	0.5	8	50	3	2	P-RTA030052	.00	.01	.02	.03
3	1	8	50	3	2	P-RTA030102	.00	.01	.02	.03
3	0.2	8	50	4	2	P-RTA430022	.00	.01	.02	.03
3	0.3	8	50	4	2	P-RTA430032	.00	.01	.02	.03
3	0.5	8	50	4	2	P-RTA430052	.00	.01	.02	.03
3	1	8	50	4	2	P-RTA430102	.00	.01	.02	.03
4	0.2	10	50	4	2	P-RTA040022	.00	.01	.02	.03
4	0.3	10	50	4	2	P-RTA040032	.00	.01	.02	.03
4	0.5	10	50	4	2	P-RTA040052	.00	.01	.02	.03
4	1	10	50	4	2	P-RTA040102	.00	.01	.02	.03
4	1.5	10	50	4	2	P-RTA040152	.00	.01	.02	.03
5	0.2	13	50	6	2	P-RTA050022	.00	.01	.02	.03
5	0.3	13	50	6	2	P-RTA050032	.00	.01	.02	.03
5	0.5	13	50	6	2	P-RTA050052	.00	.01	.02	.03
5	1	13	50	6	2	P-RTA050102	.00	.01	.02	.03

Application 適用材質:

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
			~45HRC	~50HRC	~55HRC	~60HRC					
	○	○							○	○	
ALTIBN	◎	◎	◎	○		○					
TiSiN	○	○	○	◎							
ZrN-A	◎	◎	◎	○		◎	○	○			

Unit/單位: mm

600⁺

切削條件表 **P353**
Cutting Condition

Corner Radius Type - 2 flutes

2刃圓鼻立銑刀

600 PLUS

HRC 45

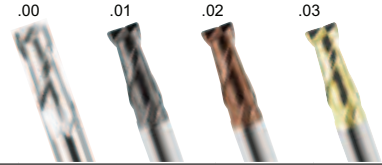
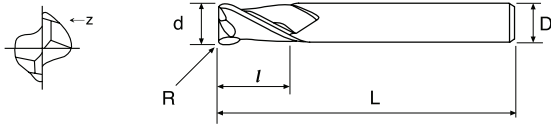
35°

$a > b$

R

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	R 值	l 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTIBN	TiSiN	ZrN-A	
6	0.2	15	50	6	2	P-RTA060022	.00	.01	.02	.03
6	0.3	15	50	6	2	P-RTA060032	.00	.01	.02	.03
6	0.5	15	50	6	2	P-RTA060052	.00	.01	.02	.03
6	1	15	50	6	2	P-RTA060102	.00	.01	.02	.03
6	1.5	15	50	6	2	P-RTA060152	.00	.01	.02	.03
6	2	15	50	6	2	P-RTA060202	.00	.01	.02	.03
8	0.3	20	60	8	2	P-RTA080032	.00	.01	.02	.03
8	0.5	20	60	8	2	P-RTA080052	.00	.01	.02	.03
8	1	20	60	8	2	P-RTA080102	.00	.01	.02	.03
8	1.5	20	60	8	2	P-RTA080152	.00	.01	.02	.03
8	2	20	60	8	2	P-RTA080202	.00	.01	.02	.03
8	2.5	20	60	8	2	P-RTA080252	.00	.01	.02	.03
8	3	20	60	8	2	P-RTA080302	.00	.01	.02	.03
10	0.3	25	75	10	2	P-RTA100032	.00	.01	.02	.03
10	0.5	25	75	10	2	P-RTA100052	.00	.01	.02	.03
10	1	25	75	10	2	P-RTA100102	.00	.01	.02	.03
10	1.5	25	75	10	2	P-RTA100152	.00	.01	.02	.03
10	2	25	75	10	2	P-RTA100202	.00	.01	.02	.03
10	2.5	25	75	10	2	P-RTA100252	.00	.01	.02	.03
10	3	25	75	10	2	P-RTA100302	.00	.01	.02	.03
12	0.3	30	75	12	2	P-RTA120032	.00	.01	.02	.03
12	0.5	30	75	12	2	P-RTA120052	.00	.01	.02	.03
12	1	30	75	12	2	P-RTA120102	.00	.01	.02	.03
12	1.5	30	75	12	2	P-RTA120152	.00	.01	.02	.03
12	2	30	75	12	2	P-RTA120202	.00	.01	.02	.03
12	2.5	30	75	12	2	P-RTA120252	.00	.01	.02	.03
12	3	30	75	12	2	P-RTA120302	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
			~45HRC	~50HRC	~55HRC	~60HRC					
	○	○							○	○	
ALTIBN	◎	◎	◎	○		○					
TiSiN	○	○	○	◎							
ZrN-A	◎	◎	◎	○		◎	○	○			

Unit/單位: mm

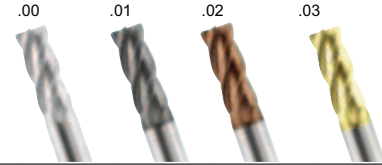
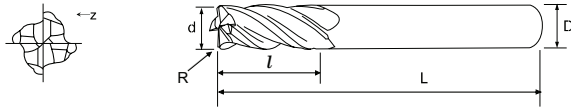
600⁺ 切削條件表 **P354**
Cutting Condition

Corner Radius Type - 4 flutes ■ 4刃圓鼻立銑刀



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6µm



Dimension 規格						Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	R 值	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTIBN	TISIN	ZrN-A
2	0.2	6	50	4	4	P-RTA020024	.00	.01	.02	.03
2	0.3	6	50	4	4	P-RTA020034	.00	.01	.02	.03
2	0.5	6	50	4	4	P-RTA020054	.00	.01	.02	.03
2.5	0.2	8	50	4	4	P-RTA025024	.00	.01	.02	.03
3	0.2	8	50	3	4	P-RTA030024	.00	.01	.02	.03
3	0.3	8	50	3	4	P-RTA030034	.00	.01	.02	.03
3	0.5	8	50	3	4	P-RTA030054	.00	.01	.02	.03
3	1	8	50	3	4	P-RTA030104	.00	.01	.02	.03
3	0.2	8	50	4	4	P-RTA430024	.00	.01	.02	.03
3	0.3	8	50	4	4	P-RTA430034	.00	.01	.02	.03
3	0.5	8	50	4	4	P-RTA430054	.00	.01	.02	.03
3	1	8	50	4	4	P-RTA430104	.00	.01	.02	.03
4	0.2	10	50	4	4	P-RTA040024	.00	.01	.02	.03
4	0.3	10	50	4	4	P-RTA040034	.00	.01	.02	.03
4	0.5	10	50	4	4	P-RTA040054	.00	.01	.02	.03
4	1	10	50	4	4	P-RTA040104	.00	.01	.02	.03
4	1.5	10	50	4	4	P-RTA040154	.00	.01	.02	.03
5	0.2	13	50	6	4	P-RTA050024	.00	.01	.02	.03
5	0.3	13	50	6	4	P-RTA050034	.00	.01	.02	.03
5	0.5	13	50	6	4	P-RTA050054	.00	.01	.02	.03
5	1	13	50	6	4	P-RTA050104	.00	.01	.02	.03
6	0.2	15	50	6	4	P-RTA060024	.00	.01	.02	.03
6	0.3	15	50	6	4	P-RTA060034	.00	.01	.02	.03
6	0.5	15	50	6	4	P-RTA060054	.00	.01	.02	.03

Application 適用材質:

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○								○	○
ALTIBN	◎	◎	◎	○			○				
TISIN	○	○	○	◎							
ZrN-A	◎	◎	◎	○			◎	○	○		

Unit/單位: mm

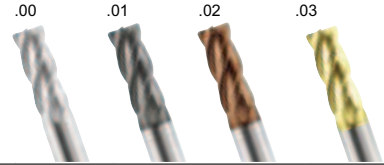
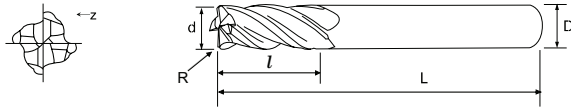
600⁺ 切削條件表 **P354**
Cutting Condition

Corner Radius Type - 4 flutes ■ 4刃圓鼻立銑刀



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼				
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層			
d 刃徑	R 值	l 刃長	L 全長	D 柄徑	Z 刃數	型號		ALTiBN	TiSiN	ZrN-A
6	1	15	50	6	4	P-RTA060104	.00	.01	.02	.03
6	1.5	15	50	6	4	P-RTA060154	.00	.01	.02	.03
6	2	15	50	6	4	P-RTA060204	.00	.01	.02	.03
8	0.3	20	60	8	4	P-RTA080034	.00	.01	.02	.03
8	0.5	20	60	8	4	P-RTA080054	.00	.01	.02	.03
8	1	20	60	8	4	P-RTA080104	.00	.01	.02	.03
8	1.5	20	60	8	4	P-RTA080154	.00	.01	.02	.03
8	2	20	60	8	4	P-RTA080204	.00	.01	.02	.03
8	2.5	20	60	8	4	P-RTA080254	.00	.01	.02	.03
8	3	20	60	8	4	P-RTA080304	.00	.01	.02	.03
10	0.3	25	75	10	4	P-RTA100034	.00	.01	.02	.03
10	0.5	25	75	10	4	P-RTA100054	.00	.01	.02	.03
10	1	25	75	10	4	P-RTA100104	.00	.01	.02	.03
10	1.5	25	75	10	4	P-RTA100154	.00	.01	.02	.03
10	2	25	75	10	4	P-RTA100204	.00	.01	.02	.03
10	2.5	25	75	10	4	P-RTA100254	.00	.01	.02	.03
10	3	25	75	10	4	P-RTA100304	.00	.01	.02	.03
12	0.3	30	75	12	4	P-RTA120034	.00	.01	.02	.03
12	0.5	30	75	12	4	P-RTA120054	.00	.01	.02	.03
12	1	30	75	12	4	P-RTA120104	.00	.01	.02	.03
12	1.5	30	75	12	4	P-RTA120154	.00	.01	.02	.03
12	2	30	75	12	4	P-RTA120204	.00	.01	.02	.03
12	2.5	30	75	12	4	P-RTA120254	.00	.01	.02	.03
12	3	30	75	12	4	P-RTA120304	.00	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦 ◎ Excellent 適合 ○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
	○	○							○	○	
ALTiBN	◎	◎	◎	○			○				
TiSiN	○	○	○	◎							
ZrN-A	◎	◎	◎	○			◎	○	○		

Unit/單位: mm

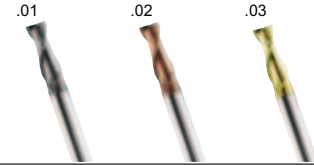
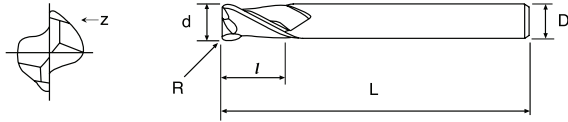
600⁺ 切削條件表 **P353**
Cutting Condition

Corner Radius Type - Long Shank - 2 flutes ■ 2刃長柄圓鼻立銑刀



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼			
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層		
d 刃徑	R 值	l 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A
3	0.3	8	75	3	2	P-LRTA030032	.01	.02	.03
3	0.5	8	75	3	2	P-LRTA030052	.01	.02	.03
3	1	8	75	3	2	P-LRTA030102	.01	.02	.03
4	0.3	10	75	4	2	P-LRTA040032	.01	.02	.03
4	0.5	10	75	4	2	P-LRTA040052	.01	.02	.03
4	1	10	75	4	2	P-LRTA040102	.01	.02	.03
4	1.5	10	75	4	2	P-LRTA040152	.01	.02	.03
6	0.3	15	100	6	2	P-LRTA060032	.01	.02	.03
6	0.5	15	100	6	2	P-LRTA060052	.01	.02	.03
6	1	15	100	6	2	P-LRTA060102	.01	.02	.03
6	1.5	15	100	6	2	P-LRTA060152	.01	.02	.03
6	2	15	100	6	2	P-LRTA060202	.01	.02	.03
8	0.3	20	100	8	2	P-LRTA080032	.01	.02	.03
8	0.5	20	100	8	2	P-LRTA080052	.01	.02	.03
8	1	20	100	8	2	P-LRTA080102	.01	.02	.03
8	1.5	20	100	8	2	P-LRTA080152	.01	.02	.03
8	2	20	100	8	2	P-LRTA080202	.01	.02	.03
8	2.5	20	100	8	2	P-LRTA080252	.01	.02	.03
8	3	20	100	8	2	P-LRTA080302	.01	.02	.03
10	0.3	25	100	10	2	P-LRTA100032	.01	.02	.03
10	0.5	25	100	10	2	P-LRTA100052	.01	.02	.03
10	1	25	100	10	2	P-LRTA100102	.01	.02	.03
10	1.5	25	100	10	2	P-LRTA100152	.01	.02	.03
10	2	25	100	10	2	P-LRTA100202	.01	.02	.03
10	2.5	25	100	10	2	P-LRTA100252	.01	.02	.03
10	3	25	100	10	2	P-LRTA100302	.01	.02	.03
12	0.3	30	100	12	2	P-LRTA120032	.01	.02	.03
12	0.5	30	100	12	2	P-LRTA120052	.01	.02	.03
12	1	30	100	12	2	P-LRTA120102	.01	.02	.03
12	1.5	30	100	12	2	P-LRTA120152	.01	.02	.03
12	2	30	100	12	2	P-LRTA120202	.01	.02	.03
12	2.5	30	100	12	2	P-LRTA120252	.01	.02	.03
12	3	30	100	12	2	P-LRTA120302	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTiBN	◎	◎	○	○			○				
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○			◎	○	○		

Unit/單位: mm

600⁺ 切削條件表 **P354**
Cutting Condition

Corner Radius Type - Long Shank - 4 flutes

4刃長柄圓鼻立銑刀

600 PLUS

HRC 55

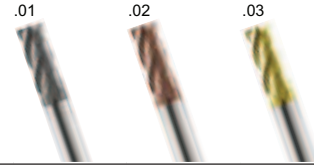
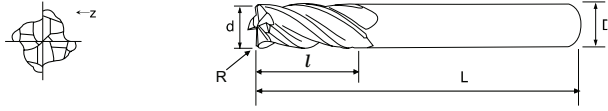
35°

$a < b > a$

R

● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm² Grain Size=0.6μm



Dimension 規格						Purchase Code 採購代碼			
Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes	MODE	Coating 塗層		
d 刃徑	R 值	l 刃長	L 全長	D 柄徑	Z 刃數	型號	ALTiBN	TiSiN	ZrN-A
3	0.3	8	75	3	4	P-LRTA030034	.01	.02	.03
3	0.5	8	75	3	4	P-LRTA030054	.01	.02	.03
3	1	8	75	3	4	P-LRTA030104	.01	.02	.03
4	0.3	10	75	4	4	P-LRTA040034	.01	.02	.03
4	0.5	10	75	4	4	P-LRTA040054	.01	.02	.03
4	1	10	75	4	4	P-LRTA040104	.01	.02	.03
4	1.5	10	75	4	4	P-LRTA040154	.01	.02	.03
6	0.3	15	100	6	4	P-LRTA060034	.01	.02	.03
6	0.5	15	100	6	4	P-LRTA060054	.01	.02	.03
6	1	15	100	6	4	P-LRTA060104	.01	.02	.03
6	1.5	15	100	6	4	P-LRTA060154	.01	.02	.03
6	2	15	100	6	4	P-LRTA060204	.01	.02	.03
8	0.3	20	100	8	4	P-LRTA080034	.01	.02	.03
8	0.5	20	100	8	4	P-LRTA080054	.01	.02	.03
8	1	20	100	8	4	P-LRTA080104	.01	.02	.03
8	1.5	20	100	8	4	P-LRTA080154	.01	.02	.03
8	2	20	100	8	4	P-LRTA080204	.01	.02	.03
8	2.5	20	100	8	4	P-LRTA080254	.01	.02	.03
8	3	20	100	8	4	P-LRTA080304	.01	.02	.03
10	0.3	25	100	10	4	P-LRTA100034	.01	.02	.03
10	0.5	25	100	10	4	P-LRTA100054	.01	.02	.03
10	1	25	100	10	4	P-LRTA100104	.01	.02	.03
10	1.5	25	100	10	4	P-LRTA100154	.01	.02	.03
10	2	25	100	10	4	P-LRTA100204	.01	.02	.03
10	2.5	25	100	10	4	P-LRTA100254	.01	.02	.03
10	3	25	100	10	4	P-LRTA100304	.01	.02	.03
12	0.3	30	100	12	4	P-LRTA120034	.01	.02	.03
12	0.5	30	100	12	4	P-LRTA120054	.01	.02	.03
12	1	30	100	12	4	P-LRTA120104	.01	.02	.03
12	1.5	30	100	12	4	P-LRTA120154	.01	.02	.03
12	2	30	100	12	4	P-LRTA120204	.01	.02	.03
12	2.5	30	100	12	4	P-LRTA120254	.01	.02	.03
12	3	30	100	12	4	P-LRTA120304	.01	.02	.03

Application 適用材質：

★ Perfect 最推薦

◎ Excellent 適合

○ Good 佳

Coating 塗層	Carbon steel, Alloy steel 炭素鋼, 合金鋼	Pre-harden steel 預硬鋼	High-hardened 高硬度鋼				Stainless steel 不鏽鋼	Titanium alloy 鈦合金	Nickel/Inconel alloy 鎳基合金	Copper alloy 銅合金, 銅	Aluminum alloy 鋁合金
		~45HRC	~50HRC	~55HRC	~60HRC	~65HRC					
ALTiBN	◎	◎	○	○			○				
TiSiN	○	○	○	○							
ZrN-A	◎	◎	○	○			◎	○	○		

Unit/單位: mm