



# 不銹鋼切削專用

STAINLESS STEEL CUTTING



# Index

## 目錄

不銹鋼切削專用  
STAINLESS STEEL CUTTING



型號/頁碼 Type No. & Page	產品照片 Product Picture	鑄鐵 Cast Iron	碳鋼 Carbon Steels	合金鋼 工具鋼 Alloy Steels, Tool Steels	調質鋼 Prehardened Steels	不銹鋼 Stainless Steels	鈦合金 Titanium Alloy	耐熱合金鋼 高溫合金鋼 Heat Resistant & High Temp Alloy Steels	熱處理鋼 Hardened Steels ~55HRC	熱處理鋼 Hardened Steels 55HRC~
<b>UTH</b> P.204		★	★	★★	★★	★★★	★★★	★	★	-----
<b>UTHR</b> P.205		★	★	★★	★★	★★★	★★★	★	★	-----
<b>ETB</b> P.206		★★	★★★	★★★	★★★	★★★	★★★	★	★	-----
<b>ETH</b> P.207		★★	★★★	★★★	★★★	★★★	★★★	★	★	-----
<b>UPS</b> P.208		★★	★★★	★★★	★★★	★★★	★★	★	★	-----
<b>UPZ</b> P.209		★★	★★★	★★★	★★★	★★★	★★	★	★	-----
<b>UPE</b> P.210		★★	★★★	★★★	★★★	★★★	★★	★	★	-----
<b>UPER</b> P.211		★★	★★★	★★★	★★★	★★★	★★	★	★	-----
<b>UPG</b> P.212		★★	★★★	★★★	★★★	★★★	★★	★	★	-----
<b>RTB</b> P.213		★★	★★★	★★★	★★★	★★★	★★	★	★	-----
<b>UPJ</b> P.214		★★	★★★	★★★	★★★	★★★	★★	★	★	-----
<b>VTB</b> P.215		★★	★★★	★★★	★★★	★★★	★★	★	★	-----
<b>WWA</b> P.216		★★★	★★★	★★★	★★★	★★★	★	★	-----	-----
<b>WWB</b> P.217		★★	★★★	★★★	★★★	★★★	★★★	★	-----	-----

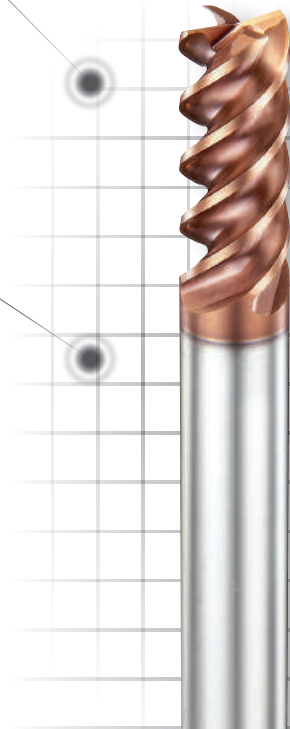
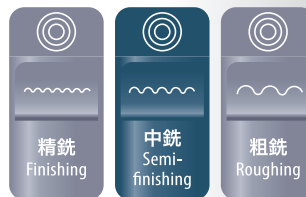
不銹鋼切削專用  
STAINLESS STEEL CUTTING



# UTH

鈦滿意立銑刀  
END MILLS

切削性能 CUTTING PERFORMANCE



冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit: mm

直徑 D1	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
3.0	0 -0.02		
4.0	0 -0.02		
5.0	0 -0.02	Ø6	0 -0.008
6.0	0 -0.02	Ø8	0 -0.009
8.0	0 -0.025	Ø10	0 -0.009
10.0	0 -0.03	Ø12	0 -0.011
12.0	0 -0.035	Ø16	0 -0.011
16.0	0 -0.04	Ø20	0 -0.013
20.0	0 -0.04		

產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
UTH0304	3.0	8	50	6
UTH0404	4.0	11	50	6
UTH0504	5.0	13	50	6
UTH0604	6.0	16	50	6
UTH0804	8.0	20	60	8
UTH1004	10.0	25	75	10
UTH1204	12.0	30	75	12
UTH1604	16.0	40	100	16
UTH2004	20.0	45	100	20

unit: mm

# UTHR

鈦滿意圓鼻角立銑刀  
END MILLS



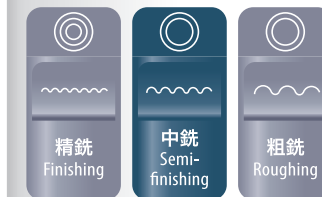
冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit: mm

直徑 D1	R R角 Tolerance	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
3.0	+0.02 0	0 -0.02		
4.0	+0.02 0	0 -0.02		
5.0	+0.02 0	0 -0.02	Ø6	0 -0.008
6.0	+0.02 0	0 -0.02	Ø8	0 -0.009
8.0	+0.02 0	0 -0.025	Ø8	0 -0.009
10.0	+0.02 0	0 -0.03	Ø10	0 -0.009
12.0	+0.02 0	0 -0.035	Ø12	0 -0.011
16.0	+0.02 0	0 -0.04	Ø16	0 -0.011
20.0	+0.02 0	0 -0.04	Ø20	0 -0.013

切削性能 CUTTING PERFORMANCE



產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	R R角 Corner R	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
UTHR0305	3.0	0.5	8	50	6
UTHR0405	4.0	0.5	10	50	6
UTHR0405S	4.0	0.5	10	50	4
UTHR0505	5.0	0.5	13	50	6
UTHR0605	6.0	0.5	16	50	6
UTHR0610	6.0	1.0	16	50	6
UTHR0805	8.0	0.5	20	60	8
UTHR0810	8.0	1.0	20	60	8
UTHR1005	10.0	0.5	25	75	10
UTHR1010	10.0	1.0	25	75	10
UTHR1020	10.0	2.0	25	75	10
UTHR1030	10.0	3.0	25	75	10
UTHR1210	12.0	1.0	30	75	12
UTHR1220	12.0	2.0	30	75	12
UTHR1230	12.0	3.0	30	75	12
UTHR1610	16.0	1.0	40	100	16
UTHR1620	16.0	2.0	40	100	16
UTHR1630	16.0	3.0	40	100	16
UTHR2010	20.0	1.0	45	100	20
UTHR2020	20.0	2.0	45	100	20
UTHR2030	20.0	3.0	45	100	20

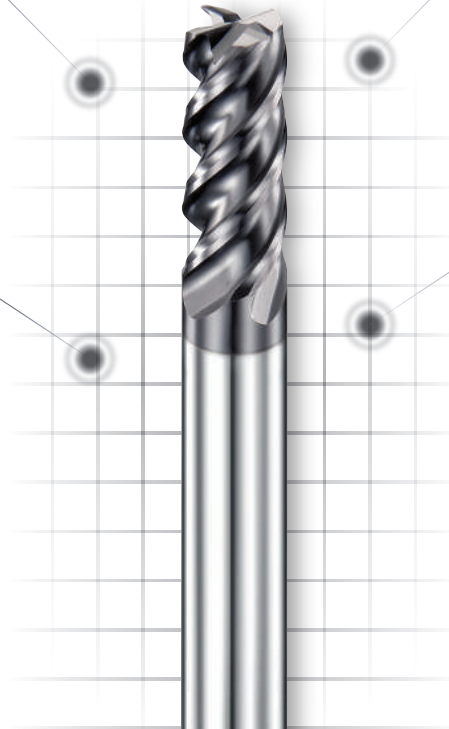
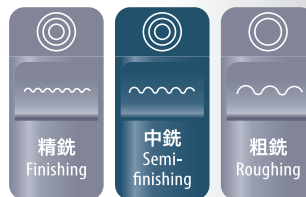
unit: mm

# ETB

極超微粒立銑刀  
END MILLS



切削性能 CUTTING PERFORMANCE



冷卻性能 COOLANT TYPE

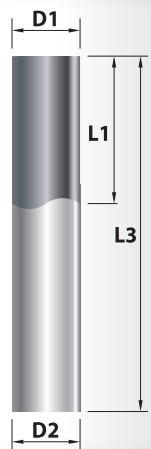


公差表 TOLERANCE unit: mm

直徑 D1	直徑公差值 D1 Tolerance	直徑 D1	直徑公差值 D1 Tolerance
1.0	0 -0.02	16.0	0 -0.04
1.5	0 -0.02	20.0	0 -0.04
2.0	0 -0.02		
2.5	0 -0.02		
3.0	0 -0.02		
3.5	0 -0.02		
4.0	0 -0.02		
4.5	0 -0.02		
5.0	0 -0.02		
6.0	0 -0.02		
8.0	0 -0.025		
10.0	0 -0.03		
12.0	0 -0.035		

柄徑 D2	柄徑公差值 D2 Tolerance
Ø4	0 -0.008
Ø6	0 -0.008
Ø8	0 -0.009
Ø10	0 -0.009
Ø12	0 -0.011
Ø16	0 -0.011
Ø20	0 -0.013



產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
ETB0104	1.0	3	50	4
ETB0154	1.5	4	50	4
ETB0204S	2.0	6	50	4
ETB0204	2.0	6	50	6
ETB0254S	2.5	8	50	4
ETB0254	2.5	8	50	6
ETB0304S	3.0	8	50	4
ETB0304	3.0	8	50	6
ETB0354	3.5	10	50	6
ETB0404S	4.0	11	50	4
ETB0404	4.0	11	50	6
ETB0454	4.5	11	50	6
ETB0504	5.0	13	50	6
ETB0604	6.0	16	50	6
ETB0804	8.0	20	60	8
ETB1004Z	10.0	25	75	10
ETB1004	10.0	30	75	10
ETB1204	12.0	30	75	12
ETB1604	16.0	40	100	16
ETB2004	20.0	45	100	20

unit: mm

# ETH

極超微粒立銑刀  
END MILLS



冷卻性能 COOLANT TYPE



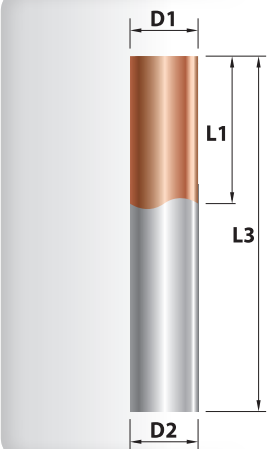
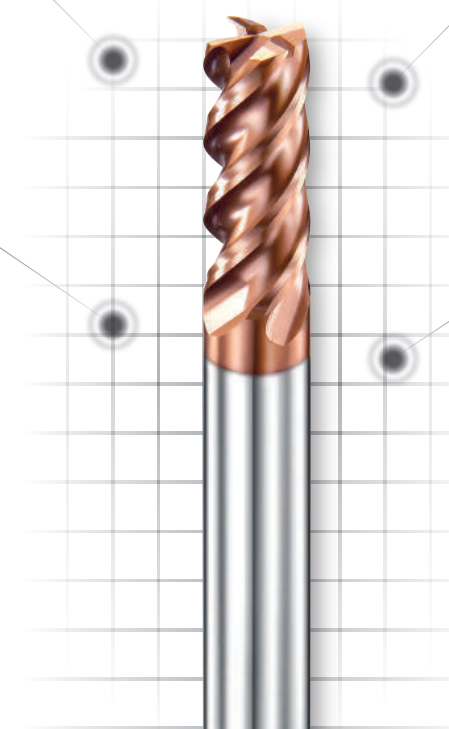
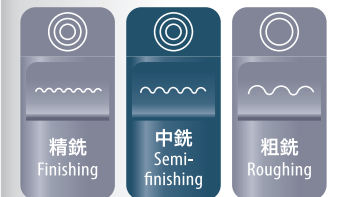
公差表 TOLERANCE unit: mm

直徑 D1	直徑公差值 D1 Tolerance	直徑 D1	直徑公差值 D1 Tolerance
1.0	0 -0.02	16.0	0 -0.04
1.5	0 -0.02	20.0	0 -0.04
2.0	0 -0.02		
2.5	0 -0.02		
3.0	0 -0.02		
3.5	0 -0.02		
4.0	0 -0.02		
4.5	0 -0.02		
5.0	0 -0.02		
6.0	0 -0.02		
8.0	0 -0.025		
10.0	0 -0.03		
12.0	0 -0.035		

柄徑 D2	柄徑公差值 D2 Tolerance
Ø4	0 -0.008
Ø6	0 -0.008
Ø8	0 -0.009
Ø10	0 -0.009
Ø12	0 -0.011
Ø16	0 -0.011
Ø20	0 -0.013

切削性能 CUTTING PERFORMANCE



產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
ETH0104	1.0	3	50	4
ETH0154	1.5	4	50	4
ETH0204	2.0	6	50	4
ETH0254	2.5	8	50	4
ETH0304	3.0	8	50	4
ETH0354	3.5	10	50	4
ETH0404	4.0	11	50	4
ETH0454	4.5	11	50	6
ETH0504	5.0	13	50	6
ETH0604	6.0	16	50	6
ETH0804	8.0	20	60	8
ETH1004Z	10.0	25	75	10
ETH1004	10.0	30	75	10
ETH1204	12.0	30	75	12
ETH1604	16.0	40	100	16
ETH2004	20.0	45	100	20

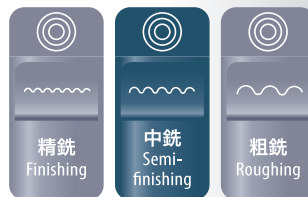
unit: mm



# UPS

無敵高效能立銑刀  
END MILLS

### 切削性能 CUTTING PERFORMANCE

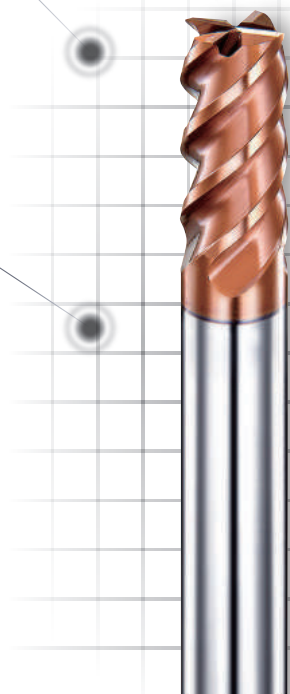
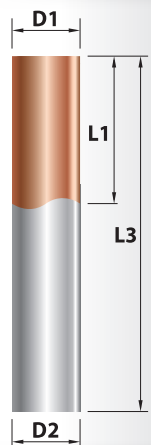


### 冷卻性能 COOLANT TYPE



### 公差表 TOLERANCE unit: mm

直徑 D1	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
3.0	0 -0.02		
4.0	0 -0.02		
5.0	0 -0.02	Ø6	0 -0.008
6.0	0 -0.02	Ø8	0 -0.009
8.0	0 -0.025	Ø10	0 -0.009
10.0	0 -0.03	Ø12	0 -0.011
12.0	0 -0.035	Ø16	0 -0.011
16.0	0 -0.04	Ø18	0 -0.011
18.0	0 -0.04	Ø20	0 -0.013
20.0	0 -0.04		



### 產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
UPS0304	3.0	8	50	6
UPS0304L	3.0	12	60	6
UPS0404	4.0	11	50	6
UPS0404L	4.0	16	60	6
UPS0504	5.0	13	50	6
UPS0604	6.0	16	50	6
UPS0604L	6.0	20	60	6
UPS0804	8.0	20	60	8
UPS0804L	8.0	25	75	8
UPS1004	10.0	22	75	10
UPS1004L	10.0	30	80	10
UPS1204	12.0	26	75	12
UPS1204L	12.0	35	100	12
UPS1604	16.0	36	100	16
UPS1604L	16.0	50	110	16
UPS1804	18.0	40	100	18
UPS2004	20.0	40	100	20
UPS2004L	20.0	50	120	20

unit: mm

# UPZ

抗震高效能立銑刀  
END MILLS



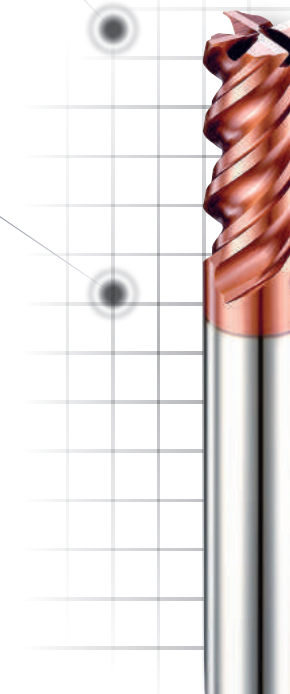
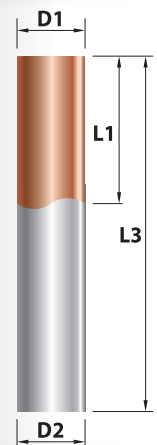
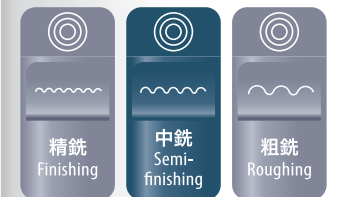
### 冷卻性能 COOLANT TYPE



### 公差表 TOLERANCE unit: mm

直徑 D1	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
3.0	0 -0.02		
4.0	0 -0.02		
5.0	0 -0.02	Ø6	0 -0.008
6.0	0 -0.02	Ø8	0 -0.009
8.0	0 -0.025	Ø10	0 -0.009
10.0	0 -0.03	Ø12	0 -0.011
12.0	0 -0.035	Ø16	0 -0.011
16.0	0 -0.04	Ø18	0 -0.011
20.0	0 -0.04	Ø20	0 -0.013

### 切削性能 CUTTING PERFORMANCE



### 產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
UPZ0304	3.0	8	50	6
UPZ0404	4.0	11	50	6
UPZ0504	5.0	13	50	6
UPZ0604	6.0	16	50	6
UPZ0804	8.0	20	60	8
UPZ1004	10.0	22	75	10
UPZ1204	12.0	26	75	12
UPZ1604	16.0	36	100	16
UPZ2004	20.0	40	100	20

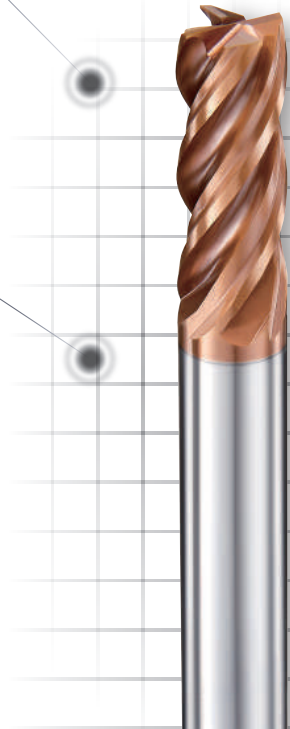
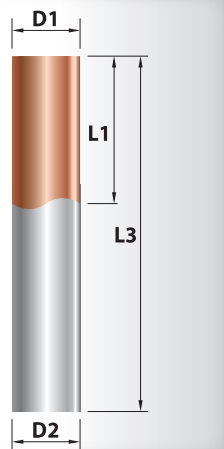
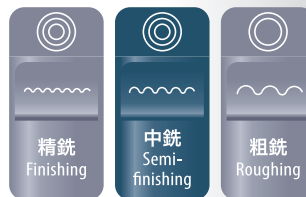
unit: mm



# UPE

高效能立銑刀  
END MILLS

### 切削性能 CUTTING PERFORMANCE



### 冷卻性能 COOLANT TYPE



### 公差表 TOLERANCE unit : mm

直徑 D1	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
3.0	0 -0.02		
4.0	0 -0.02		
5.0	0 -0.02		
6.0	0 -0.02	Ø6	0 -0.008
8.0	0 -0.025	Ø8	0 -0.009
10.0	0 -0.03	Ø10	0 -0.009
12.0	0 -0.035	Ø12	0 -0.011
14.0	0 -0.04	Ø14	0 -0.011
16.0	0 -0.04	Ø16	0 -0.011
18.0	0 -0.04	Ø18	0 -0.011
20.0	0 -0.04	Ø20	0 -0.013
25.0	0 -0.04	Ø25	0 -0.013

### 產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
UPE0304	3.0	8	50	6
UPE0404	4.0	11	50	6
UPE0504	5.0	13	50	6
UPE0604	6.0	16	50	6
UPE0804	8.0	20	60	8
UPE1004	10.0	22	75	10
UPE1204	12.0	26	75	12
UPE1404	14.0	30	80	14
UPE1604	16.0	36	100	16
UPE1804	18.0	40	100	18
UPE2004	20.0	40	100	20
UPE2504	25.0	45	100	25

unit : mm

# UPER

高效能圓鼻角立銑刀  
END MILLS



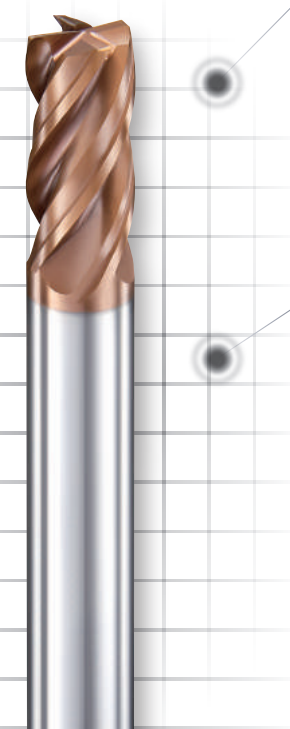
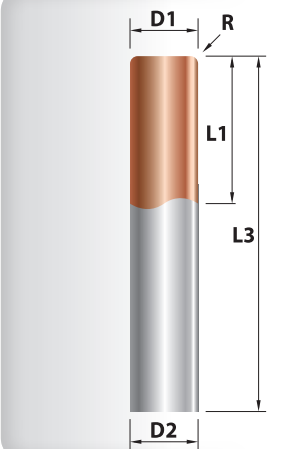
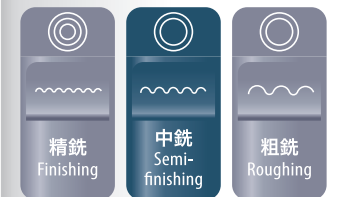
### 冷卻性能 COOLANT TYPE



### 公差表 TOLERANCE unit : mm

直徑 D1	R 徑公差值 R Tolerance	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
4.0	+0.02 0	0 -0.02		
5.0	+0.02 0	0 -0.02		
6.0	+0.02 0	0 -0.02	Ø6	0 -0.008
8.0	+0.02 0	0 -0.025	Ø8	0 -0.009
10.0	+0.02 0	0 -0.03	Ø10	0 -0.009
12.0	+0.02 0	0 -0.035	Ø12	0 -0.011
16.0	+0.02 0	0 -0.04	Ø16	0 -0.011
20.0	+0.02 0	0 -0.04	Ø20	0 -0.013

### 切削性能 CUTTING PERFORMANCE



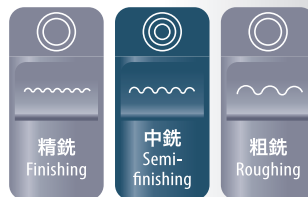
### 產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	R R角 Corner R	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
UPER0405	4.0	0.5	11	50	6
UPER0502	5.0	0.2	13	50	6
UPER0505	5.0	0.5	13	50	6
UPER0605	6.0	0.5	16	50	6
UPER0610	6.0	1.0	16	50	6
UPER0805	8.0	0.5	20	60	8
UPER0810	8.0	1.0	20	60	8
UPER1005	10.0	0.5	22	75	10
UPER1010	10.0	1.0	22	75	10
UPER1020	10.0	2.0	22	75	10
UPER1210	12.0	1.0	26	75	12
UPER1220	12.0	2.0	26	75	12
UPER1610	16.0	1.0	36	100	16
UPER1620	16.0	2.0	36	100	16
UPER2010	20.0	1.0	40	100	20
UPER2020	20.0	2.0	40	100	20

unit : mm



切削性能 CUTTING PERFORMANCE

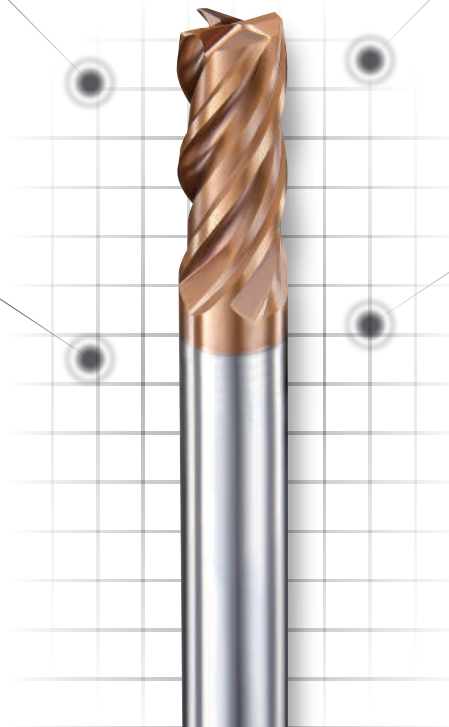
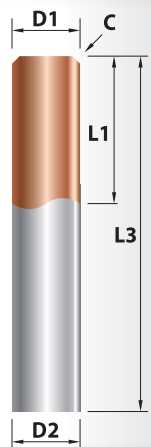


冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit: mm

直徑 D1	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
3.0	0 -0.02		
4.0	0 -0.02		
5.0	0 -0.02	Ø6	0 -0.008
6.0	0 -0.02	Ø8	0 -0.009
8.0	0 -0.025	Ø10	0 -0.009
10.0	0 -0.03	Ø12	0 -0.011
12.0	0 -0.035	Ø14	0 -0.011
16.0	0 -0.04	Ø16	0 -0.011
18.0	0 -0.04	Ø18	0 -0.011
20.0	0 -0.04	Ø20	0 -0.013



產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	C 倒角 Chamfer	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
UPG0304	3.0	0.15	8	50	6
UPG0404	4.0	0.15	11	50	6
UPG0504	5.0	0.2	13	50	6
UPG0604	6.0	0.2	16	50	6
UPG0604L	6.0	0.2	20	60	6
UPG0804	8.0	0.25	20	60	8
UPG0804L	8.0	0.25	25	75	8
UPG1004	10.0	0.3	22	75	10
UPG1004L	10.0	0.3	30	80	10
UPG1204	12.0	0.3	26	75	12
UPG1204L	12.0	0.3	35	100	12
UPG1604	16.0	0.4	40	100	16
UPG1604L	16.0	0.4	50	120	16
UPG1804	18.0	0.5	40	100	18
UPG2004	20.0	0.5	40	100	20
UPG2004L	20.0	0.5	50	120	20

unit: mm



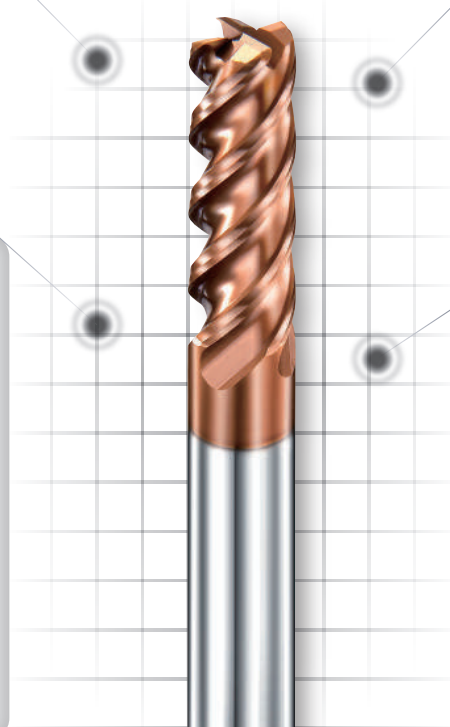
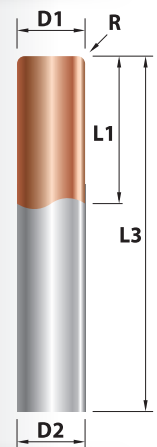
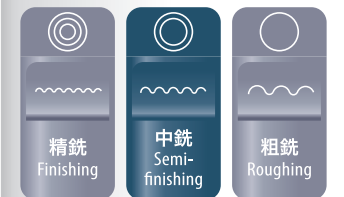
冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit: mm

直徑 D1	R R角 Tolerance	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
3.0	+0.02 0	0 -0.02		
4.0	+0.02 0	0 -0.02	Ø3	0 -0.006
5.0	+0.02 0	0 -0.02	Ø4	0 -0.008
6.0	+0.02 0	0 -0.02	Ø6	0 -0.008
8.0	+0.02 0	0 -0.025	Ø8	0 -0.009
10.0	+0.02 0	0 -0.03	Ø10	0 -0.009
12.0	+0.02 0	0 -0.035	Ø12	0 -0.011

切削性能 CUTTING PERFORMANCE



產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	R R角 Corner R	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
RTB0305	3.0	0.5	8	50	3
RTB0405	4.0	0.5	10	50	4
RTB0505	5.0	0.5	13	50	6
RTB0510	5.0	1.0	13	50	6
RTB0605	6.0	0.5	16	50	6
RTB0610	6.0	1.0	16	50	6
RTB0805	8.0	0.5	20	60	8
RTB0810	8.0	1.0	20	60	8
RTB1005Z	10.0	0.5	25	75	10
RTB1005	10.0	0.5	30	75	10
RTB1010Z	10.0	1.0	25	75	10
RTB1010	10.0	1.0	30	75	10
RTB1020Z	10.0	2.0	25	75	10
RTB1020	10.0	2.0	30	75	10
RTB1030Z	10.0	3.0	25	75	10
RTB1030	10.0	3.0	30	75	10
RTB1210	12.0	1.0	30	75	12
RTB1220	12.0	2.0	30	75	12
RTB1230	12.0	3.0	30	75	12

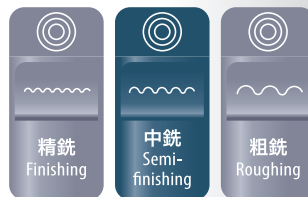
unit: mm

# UPJ

無敵高剛性立銑刀  
END MILLS



切削性能 CUTTING PERFORMANCE

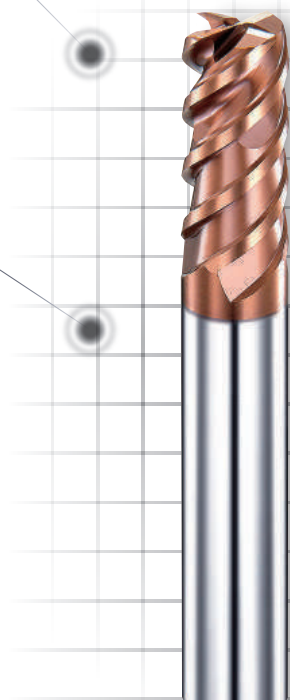
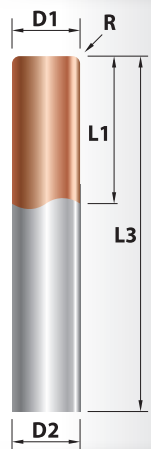


冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit : mm

直徑 D1	R 徑公差值 R Tolerance	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
3.0	+0.02 0	0 -0.02		
4.0	+0.02 0	0 -0.02		
5.0	+0.02 0	0 -0.02		
6.0	+0.02 0	0 -0.02	Ø6	0 -0.008
8.0	+0.02 0	0 -0.025	Ø8	0 -0.009
10.0	+0.02 0	0 -0.03	Ø10	0 -0.009
12.0	+0.02 0	0 -0.035	Ø12	0 -0.011
16.0	+0.02 0	0 -0.04	Ø16	0 -0.011
20.0	+0.02 0	0 -0.04	Ø20	0 -0.013



產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	R R角 Corner R	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
UPJ0304	3.0	0.2	8	50	6
UPJ0404	4.0	0.3	11	50	6
UPJ0504	5.0	0.3	13	50	6
UPJ0604	6.0	0.4	16	50	6
UPJ0804	8.0	0.5	20	60	8
UPJ1004	10.0	0.6	25	75	10
UPJ1204	12.0	0.6	30	75	12
UPJ1604	16.0	0.8	45	110	16
UPJ2004	20.0	1.0	50	110	20

unit : mm

# VTB

難切削材用立銑刀  
END MILLS



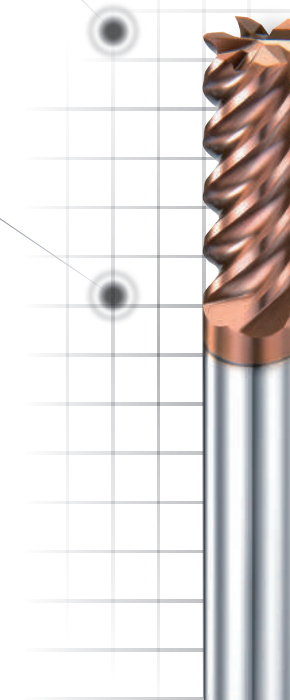
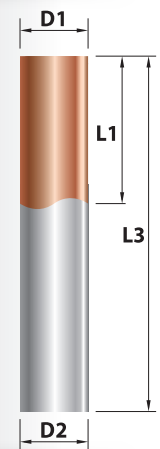
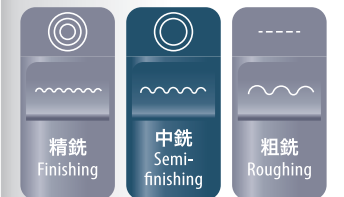
冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit : mm

直徑 D1	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
6.0	0 -0.02	Ø6	0 -0.008
8.0	0 -0.025	Ø8	0 -0.009
10.0	0 -0.03	Ø10	0 -0.009
12.0	0 -0.035	Ø12	0 -0.011
16.0	0 -0.04	Ø16	0 -0.011

切削性能 CUTTING PERFORMANCE



產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
VTB0606	6.0	16	50	6
VTB0806	8.0	20	60	8
VTB1006	10.0	25	75	10
VTB1206	12.0	30	75	12
VTB1606	16.0	40	100	16

unit : mm

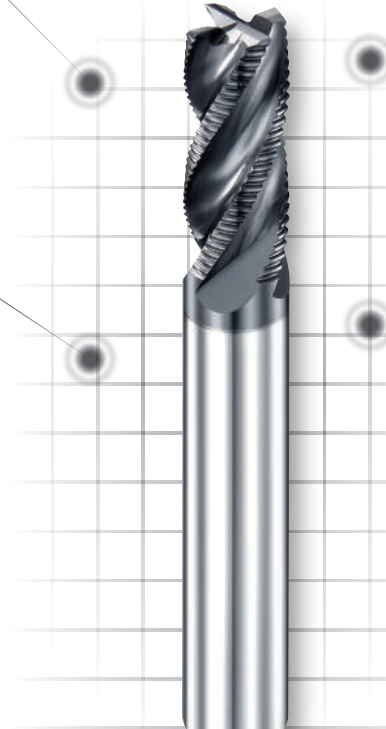
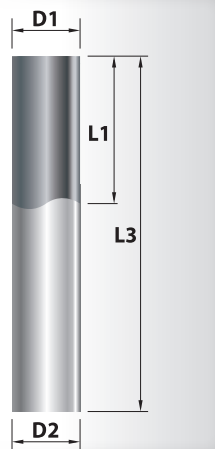
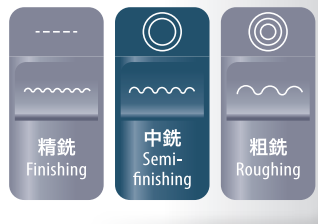


# WWA

超微粒粗齒細目銑刀  
END MILLS



切削性能 CUTTING PERFORMANCE



冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit: mm

直徑 D1	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
6.0	$0$ $-0.04$		
8.0	$0$ $-0.04$		
10.0	$0$ $-0.045$	Ø6	$0$ $-0.008$
12.0	$0$ $-0.045$	Ø8	$0$ $-0.009$
14.0	$0$ $-0.045$	Ø10	$0$ $-0.009$
16.0	$0$ $-0.05$	Ø12	$0$ $-0.011$
18.0	$0$ $-0.05$	Ø16	$0$ $-0.011$
20.0	$0$ $-0.05$	Ø20	$0$ $-0.013$

產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
WWA0604	6.0	16	50	6
WWA0804	8.0	20	60	8
WWA1004	10.0	25	75	10
WWA1204	12.0	30	75	12
WWA1404	14.0	35	100	16
WWA1604	16.0	40	100	16
WWA1804	18.0	40	100	20
WWA2004	20.0	45	100	20

unit: mm

# WWB

抗震粗齒細目銑刀  
END MILLS



冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit: mm

直徑 D1	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
6.0	$0$ $-0.04$		
8.0	$0$ $-0.04$		
10.0	$0$ $-0.045$	Ø6	$0$ $-0.008$
12.0	$0$ $-0.045$	Ø8	$0$ $-0.009$
14.0	$0$ $-0.045$	Ø10	$0$ $-0.009$
16.0	$0$ $-0.05$	Ø12	$0$ $-0.011$
18.0	$0$ $-0.05$	Ø16	$0$ $-0.011$
20.0	$0$ $-0.05$	Ø20	$0$ $-0.013$

產品規格 SPECIFICATIONS

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	L3 全長 O.A.L.	D2 柄徑 Shank Dia.
WWB0604	6.0	16	50	6
WWB0804	8.0	20	60	8
WWB1004	10.0	25	75	10
WWB1204	12.0	30	75	12
WWB1404	14.0	35	100	16
WWB1604	16.0	40	100	16
WWB1804	18.0	40	100	20
WWB2004	20.0	45	100	20

unit: mm

切削性能 CUTTING PERFORMANCE

