



鈦好切系列

TITANIUM EASY CUTTING SERIES



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鈦好切系列
TITANIUM EASY CUTTING SERIES



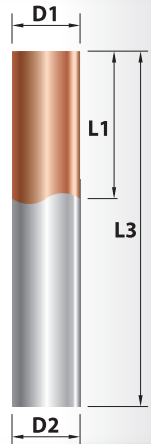
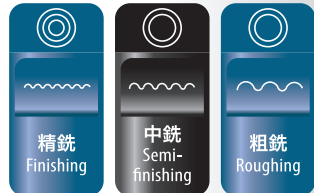
型號/頁碼 Type No. & Page	產品照片 Product Picture	鑄鐵 Cast Iron	碳鋼 Carbon Steels	合金鋼 工具鋼 Alloy Steels, Tool Steels	調質鋼 Prehardened Steels	不鏽鋼 Stainless Steels	鈦合金 Titanium Alloy	耐熱合金鋼 高溫合金鋼 Heat Resistant & High Temp Alloy Steels	熱處理鋼 Hardened Steels ~55HRC	熱處理鋼 Hardened Steels 55HRC~
UTH P.272		-----	★★	★★	★★	★★★★	★★★★	★	★	-----
UTHR P.273		-----	★★	★★	★★	★★★★	★★★★	★	★	-----
UPE P.274		★★	★★★★	★★★★	★★★★	★★	★★★★	★	★	-----
UPER P.275		★★	★★★★	★★★★	★★★★	★★	★★★★	★	★	-----
UPW P.276		★★	★★★★	★★★★	★★★★	★★	★★★★	★	★	-----
UPA P.277		★★	★★★★	★★★★	★★★★	★★	★★★★	★	★	-----
UTJ P.278		★★	★★★★	★★★★	★★★★	★★	★★★★	★	★	-----
UTER P.279		★★	★★★★	★★★★	★★★★	★★	★★★★	★	★	-----
UTW P.280		★★	★★★★	★★★★	★★★★	★★	★★★★	★	★	-----
WWB P.281		★★	★★★★	★★★★	★★★★	★★★★	★★★★	-----	★	-----



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	Ø6	0 -0.008
4.0	0 -0.02	Ø8	0 -0.009
5.0	0 -0.02	Ø10	0 -0.009
6.0	0 -0.02	Ø12	0 -0.011
8.0	0 -0.025	Ø16	0 -0.011
10.0	0 -0.03	Ø20	0 -0.013
12.0	0 -0.035		
16.0	0 -0.04		
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 (CORNER RADIUS)



冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit : mm

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

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
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

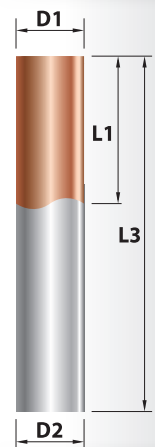
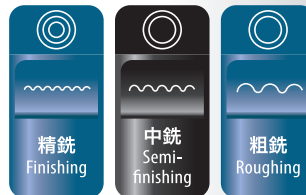
unit : mm



UPE

高效能立銑刀
END MILLS (HEAVY DUTY)

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	Ø6	0 -0.008
4.0	0 -0.02	Ø8	0 -0.009
5.0	0 -0.02	Ø10	0 -0.009
6.0	0 -0.02	Ø12	0 -0.011
8.0	0 -0.025	Ø14	0 -0.011
10.0	0 -0.03	Ø16	0 -0.011
12.0	0 -0.035	Ø18	0 -0.011
14.0	0 -0.04	Ø20	0 -0.013
16.0	0 -0.04	Ø25	0 -0.013
18.0	0 -0.04		
20.0	0 -0.04		
25.0	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.
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 (HEAVY DUTY)



冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit: mm

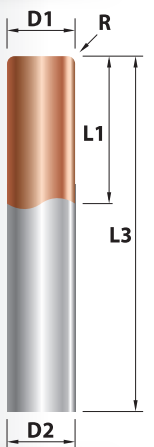
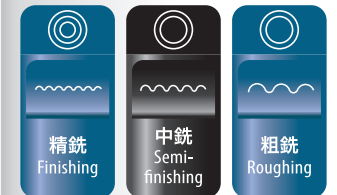
直徑 D1	R角公差值 R Tolerance	直徑公差值 D1 Tolerance	柄徑 D2	柄徑公差值 D2 Tolerance
4.0	+0.02 0	0 -0.02	Ø6	0 -0.008
5.0	+0.02 0	0 -0.02	Ø8	0 -0.009
6.0	+0.02 0	0 -0.02	Ø10	0 -0.009
8.0	+0.02 0	0 -0.025	Ø12	0 -0.011
10.0	+0.02 0	0 -0.03	Ø16	0 -0.011
12.0	+0.02 0	0 -0.035	Ø20	0 -0.013
16.0	+0.02 0	0 -0.04	Ø25	0 -0.013
20.0	+0.02 0	0 -0.04		

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

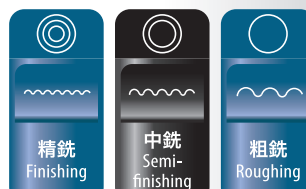
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切削性能 CUTTING PERFORMANCE





切削性能 CUTTING PERFORMANCE

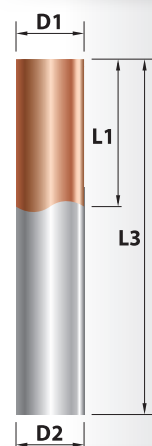


冷卻性能 COOLANT TYPE



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	Ø6	0 -0.008
4.0	0 -0.02	Ø8	0 -0.009
5.0	0 -0.02	Ø10	0 -0.009
6.0	0 -0.02	Ø12	0 -0.011
8.0	0 -0.025	Ø14	0 -0.011
10.0	0 -0.03	Ø16	0 -0.011
12.0	0 -0.035	Ø18	0 -0.011
14.0	0 -0.04	Ø20	0 -0.013
16.0	0 -0.04	Ø25	0 -0.013
18.0	0 -0.04		
20.0	0 -0.04		
25.0	0 -0.05		



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.
UPW0305	3.0	8	50	6
UPW0405	4.0	11	50	6
UPW0505	5.0	13	50	6
UPW0605	6.0	16	50	6
UPW0805	8.0	20	60	8
UPW1005	10.0	22	75	10
UPW1205	12.0	26	75	12
UPW1405	14.0	30	80	14
UPW1605	16.0	36	100	16
UPW1805	18.0	40	100	18
UPW2005	20.0	40	100	20
UPW2505	25.0	45	100	25

unit : mm



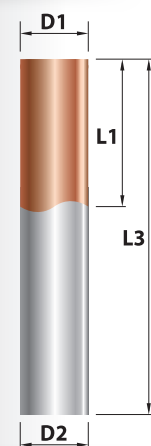
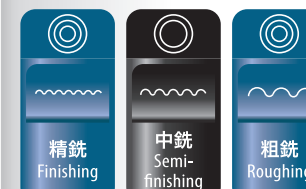
冷卻性能 COOLANT TYPE



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
2.0	0 -0.02	Ø6	0 -0.008
3.0	0 -0.02	Ø8	0 -0.009
4.0	0 -0.02	Ø10	0 -0.009
5.0	0 -0.02	Ø12	0 -0.011
6.0	0 -0.02	Ø16	0 -0.011
8.0	0 -0.025	Ø20	0 -0.013
10.0	0 -0.03		
12.0	0 -0.035		
16.0	0 -0.04		
20.0	0 -0.04		

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.
UPA0203	2.0	6	50	6
UPA0303	3.0	8	50	6
UPA0403	4.0	11	50	6
UPA0503	5.0	13	50	6
UPA0603	6.0	16	50	6
UPA0803	8.0	20	60	8
UPA1003	10.0	25	75	10
UPA1203	12.0	30	75	12
UPA1603	16.0	50	120	16
UPA2003	20.0	60	120	20

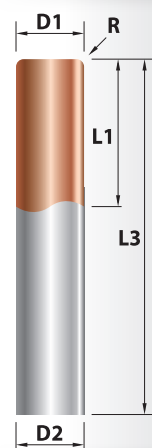
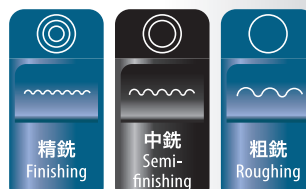
unit : mm



UTJ

鈦厲害立銑刀
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	Ø6	0 -0.008
4.0	0 -0.02	Ø8	0 -0.009
5.0	0 -0.02	Ø10	0 -0.009
6.0	0 -0.02	Ø12	0 -0.011
8.0	0 -0.025	Ø16	0 -0.011
10.0	0 -0.03	Ø20	0 -0.013
12.0	0 -0.035		
16.0	0 -0.04		
20.0	0 -0.04		

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.
UTJ0304	3.0	0.2	8	50	6
UTJ0404	4.0	0.3	11	50	6
UTJ0504	5.0	0.3	13	50	6
UTJ0604	6.0	0.4	16	50	6
UTJ0804	8.0	0.5	20	60	8
UTJ1004	10.0	0.6	25	75	10
UTJ1204	12.0	0.6	30	75	12
UTJ1604	16.0	0.8	45	110	16
UTJ2004	20.0	1.0	50	110	20

unit : mm

UTER

鈦好用圓鼻角立銑刀
END MILLS (CORNER RADIUS)



冷卻性能 COOLANT TYPE



公差表 TOLERANCE unit : mm

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

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.
UTER0305	3.0	0.5	8	50	3
UTER0405	4.0	0.5	10	50	4
UTER0505	5.0	0.5	13	50	6
UTER0510	5.0	1.0	13	50	6
UTER0605	6.0	0.5	16	50	6
UTER0610	6.0	1.0	16	50	6
UTER0805	8.0	0.5	20	60	8
UTER0810	8.0	1.0	20	60	8
UTER1005	10.0	0.5	25	75	10
UTER1010	10.0	1.0	25	75	10
UTER1020	10.0	2.0	25	75	10
UTER1030	10.0	3.0	25	75	10
UTER1210	12.0	1.0	30	75	12
UTER1220	12.0	2.0	30	75	12
UTER1230	12.0	3.0	30	75	12
UTER1610	16.0	1.0	40	100	16
UTER1620	16.0	2.0	40	100	16
UTER1630	16.0	3.0	40	100	16
UTER2010	20.0	1.0	45	100	20
UTER2020	20.0	2.0	45	100	20
UTER2030	20.0	3.0	45	100	20

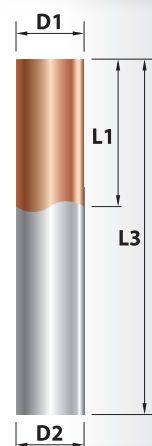
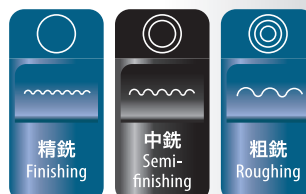
unit : mm



UTW

鈦神奇立銑刀
END MILLS (HEAVY DUTY)

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 -0.02	Ø6	0 -0.008
8.0	0 -0.02	Ø8	0 -0.009
10.0	0 -0.02	Ø10	0 -0.009
12.0	0 -0.02	Ø12	0 -0.011
16.0	0 -0.03	Ø16	0 -0.011
20.0	0 -0.03	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.
UTW0603	6.0	16	50	6
UTW0803	8.0	19	60	8
UTW0803L	8.0	25	80	8
UTW1003	10.0	22	75	10
UTW1003L	10.0	30	80	10
UTW1203	12.0	26	75	12
UTW1203L	12.0	35	100	12
UTW1603	16.0	40	100	16
UTW1603L	16.0	50	120	16
UTW2003	20.0	45	100	20
UTW2003L	20.0	55	120	20

unit : mm

WWB

抗震粗齒細目銑刀
END MILLS (HEAVY DUTY)



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	Ø6	0 -0.008
8.0	0 -0.04	Ø8	0 -0.009
10.0	0 -0.045	Ø10	0 -0.009
12.0	0 -0.045	Ø12	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

