

U SERIES

極細超微粒

SUPER MICRO GRAIN

UBA . UB75L . UB100L . UB150L . UBJ . UBN . UBH . UMBA . UEA .
UEA45 . UMEA . UEAR . UERH . UENRC . UERHL . UERH45 .

UBA

Ball Nose End Mills



unit: mm

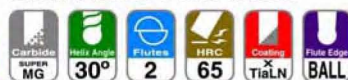
Type No.	Diameter	Flute Length	O.A.L.	Shank Dia
UBA 0102	R0.5	2	50	4
UBA 0152	R0.75	3	50	4
UBA 0202	R1.0	4	50	4
UBA 0252	R1.25	5	50	4
UBA 0302	R1.5	6	50	4
UBA 0352	R1.75	7	50	4
UBA 0402	R2.0	8	50	4
UBA 0452	R2.25	9	50	6
UBA 0502	R2.5	10	50	6
UBA 0552	R2.75	11	50	6
UBA 0602	R3.0	12	50	6
UBA 0702	R3.5	14	60	8
UBA 0802	R4.0	16	60	8
UBA 0902	R4.5	18	75	10
UBA 1002	R5.0	20	75	10
UBA 1202	R6.0	24	75	12
UBA 1402	R7.0	28	75	14
UBA 1602	R8.0	32	100	16

極細超微粒球刀 2刃

UB100L

Long Shank

Ball Nose End Mills



unit: mm

Type No.	Diameter	Flute Length	O.A.L.	Shank Dia
UB100L 0602	R3.0	12	100	6
UB100L 0802	R4.0	16	100	8
UB100L 1002	R5.0	20	100	10
UB100L 1202	R6.0	24	100	12
UB100L 1402	R7.0	28	100	14

極細超微粒長柄球刀 2刃

UB75L

Long Shank

Ball Nose End Mills



unit: mm

Type No.	Diameter	Flute Length	O.A.L.	Shank Dia
UB75L 0102	R0.5	2	75	6
UB75L 0152	R0.75	3	75	6
UB75L 0202	R1.0	4	75	6
UB75L 0252	R1.25	5	75	6
UB75L 0302	R1.5	6	75	6
UB75L 0352	R1.75	7	75	6
UB75L 0402	R2.0	8	75	6
UB75L 0452	R2.25	9	75	6
UB75L 0502	R2.5	10	75	6
UB75L 0552	R2.75	11	75	6
UB75L 0602	R3.0	12	75	6
UB75L 0702	R3.5	14	75	6
UB75L 0802	R4.0	16	75	8

極細超微粒長柄球刀 2刃

UB150L

Long Shank

Ball Nose End Mills



unit: mm

Type No.	Diameter	Flute Length	O.A.L.	Shank Dia
UB150L 0802	R4.0	16	150	8
UB150L 1002	R5.0	20	150	10
UB150L 1202	R6.0	24	150	12
UB150L 1602	R8.0	32	150	16
UB150L 2002	R10.0	40	150	20
UB150L 2502	R12.5	45	150	25

極細超微粒長柄球刀 2刃

UBJ

Long Shank / Taper Neck

極細超微粒斜頸深溝球刀 2刃



Ball Nose End Mills



unit: mm						
Type No.	Diameter	Flute Length	Taper Angle	Effective Length	O.A.L.	Shank Dia
UBJ 01015202	R0.5	2	1° 30'	20	75	6
UBJ 01515202	R0.75	3	1° 30'	20	75	6
UBJ 02010252	R1.0	4	1°	25	75	6
UBJ 02510252	R1.25	5	1°	25	75	6
UBJ 03010302	R1.5	6	1°	30	75	6
UBJ 04010352	R2.0	7	1°	35	75	6
UBJ 04025452	R2.0	7	2° 30'	45	150	8
UBJ 05025502	R2.5	9	2° 30'	50	150	10
UBJ 06030382	R3.0	10	3°	38	150	10
UBJ 08030382	R4.0	13	3°	38	150	12
UBJ 10040422	R5.0	16	4°	42	150	16

UBH

Clearance

極細超微粒長效型球刀 2刃



Ball Nose End Mills



unit: mm						
Type No.	Diameter	Flute Length	Effective Length	O.A.L.	Shank Dia	
UBH 0102	R0.5	1	2.5	50	4	
UBH 0152	R0.75	1.5	4	50	4	
UBH 0202	R1.0	2	5	50	4	
UBH 0252	R1.25	2.5	6	50	4	
UBH 0302	R1.5	3	8	50	4	
UBH 0352	R1.75	3.5	8	50	4	
UBH 0402	R2.0	5	10	50	6	
UBH 0502	R2.5	5	13	50	6	
UBH 0552	R2.75	5.5	14	50	6	
UBH 0602	R3.0	6	15	50	6	
UBH 0702	R3.5	7	16	60	8	
UBH 0802	R4.0	8	20	60	8	

UBH75L 0302	R1.5	3	8	75	6
UBH75L 0402	R2.0	5	10	75	6
UBH75L 0602	R3.0	6	12	75	6
UBH75L 1002	R5.0	10	25	75	10
UBH75L 1202	R6.0	12	30	75	12

UBH100L 0602	R3.0	6	20	100	6
UBH100L 0802	R4.0	8	25	100	8
UBH100L 1002	R5.0	10	30	100	10

UBN

Long Neck

極細超微粒深溝專用球刀 2刃



Ball Nose End Mills



unit: mm						
Type No.	Diameter	Flute Length	Effective Length	O.A.L.	Shank Dia	
UBN 05022	R0.25	0.75	2	50	4	
UBN 05042	R0.25	0.75	4	50	4	
UBN 05062	R0.25	0.75	6	50	4	
UBN 06022	R0.3	0.9	2	50	4	
UBN 06042	R0.3	0.9	4	50	4	
UBN 06062	R0.3	0.9	6	50	4	
UBN 08042	R0.4	1.2	4	50	4	
UBN 08062	R0.4	1.2	6	50	4	
UBN 08082	R0.4	1.2	8	50	4	
UBN 10062	R0.5	1.5	6	50	4	
UBN 10082	R0.5	1.5	8	50	4	
UBN 10102	R0.5	1.5	10	50	4	
UBN 10122	R0.5	1.5	12	50	4	
UBN 12082	R0.6	2	8	50	4	
UBN 12122	R0.6	2	12	50	4	
UBN 15082	R0.75	2.3	8	50	4	
UBN 15122	R0.75	2.3	12	50	4	
UBN 15162	R0.75	2.3	16	50	4	
UBN 15202	R0.75	2.3	20	50	4	

UBN 16082	R0.8	2.5	8	50	4
UBN 16122	R0.8	2.5	12	50	4
UBN 16162	R0.8	2.5	16	50	4
UBN 20082	R1.0	3	8	50	4
UBN 20102	R1.0	3	10	50	4
UBN 20122	R1.0	3	12	50	4
UBN 20142	R1.0	3	14	50	4
UBN 20162	R1.0	3	16	50	4
UBN 20182	R1.0	3	18	50	4
UBN 20202	R1.0	3	20	50	4
UBN 25082	R1.25	4	8	50	4
UBN 25122	R1.25	4	12	50	4
UBN 25162	R1.25	4	16	50	4
UBN 25202	R1.25	4	20	50	4
UBN 30082	R1.5	4.5	8	50	6
UBN 30102	R1.5	4.5	10	50	6
UBN 30162	R1.5	4.5	16	50	6
UBN 30202	R1.5	4.5	20	60	6
UBN 30252	R1.5	4.5	25	75	6
UBN 40102	R2.0	6	10	50	6
UBN 40122	R2.0	6	12	50	6
UBN 40162	R2.0	6	16	60	6
UBN 40202	R2.0	6	20	75	6
UBN 40252	R2.0	6	25	75	6
UBN 40302	R2.0	6	30	75	6

UMBA

Micro Diameter

極細超微粒微小徑球刀 2刃



Ball Nose End Mills



unit: mm					
Type No.	Diameter	Flute Length	O.A.L.	Shank Dia	
UMBA 0022	R0.1	0.4	50	4	
UMBA 0032	R0.15	0.6	50	4	
UMBA 0042	R0.2	0.7	50	4	
UMBA 0052	R0.25	0.8	50	4	
UMBA 0062	R0.3	0.9	50	4	
UMBA 0072	R0.35	1.4	50	4	
UMBA 0082	R0.4	1.6	50	4	
UMBA 0092	R0.45	1.8	50	4	
UMBA 0112	R0.55	2.2	50	4	
UMBA 0122	R0.6	2.4	50	4	
UMBA 0132	R0.65	2.6	50	4	
UMBA 0142	R0.7	2.8	50	4	
UMBA 0162	R0.8	3.2	50	4	
UMBA 0172	R0.85	3.4	50	4	
UMBA 0182	R0.9	3.6	50	4	
UMBA 0192	R0.95	3.8	50	4	
UMBA 0212	R1.05	4.2	50	4	
UMBA 0222	R1.1	4.4	50	4	
UMBA 0232	R1.15	4.6	50	4	
UMBA 0242	R1.2	4.8	50	4	
UMBA 0262	R1.3	5.2	50	4	
UMBA 0272	R1.35	5.4	50	4	
UMBA 0282	R1.4	5.6	50	4	
UMBA 0292	R1.45	5.8	50	4	

UKK

HIGH SPEED CUTTING
&
HIGH HARD CUTTING

UEA

Square End Mills



極細超微粒平刀 2 刃



Type No.	Diameter	Flute Length	O.A.L.	Shank Dia
UEA 0102	1.0	3	50	4
UEA 0152	1.5	4	50	4
UEA 0202	2.0	6	50	4
UEA 0252	2.5	8	50	4
UEA 0302	3.0	8	50	4
UEA 0352	3.5	10	50	4
UEA 0402	4.0	11	50	4
UEA 0452	4.5	13	50	6
UEA 0502	5.0	13	50	6
UEA 0552	5.5	13	50	6
UEA 0602	6.0	15	50	6
UEA 0652	6.5	15	60	8
UEA 0702	7.0	20	60	8
UEA 0802	8.0	20	60	8
UEA 0852	8.5	25	75	10
UEA 0902	9.0	25	75	10
UEA 0952	9.5	25	75	10
UEA 1002	10.0	25	75	10
UEA 1102	11.0	30	75	12
UEA 1202	12.0	30	75	12
UEA 1302	13.0	33	75	14
UEA 1402	14.0	35	75	14
UEA 1602	16.0	46	100	16
UEA 2002	20.0	46	100	20
UEA 2502	25.0	50	100	25

UMEA

Micro Diameter

Square End Mills



極細超微粒微小徑平刀 2 刃



Type No.	Diameter	Flute Length	O.A.L.	Shank Dia
UMEA 0022	0.2	0.4	50	4
UMEA 0032	0.3	0.6	50	4
UMEA 0042	0.4	0.7	50	4
UMEA 0052	0.5	0.8	50	4
UMEA 0062	0.6	0.9	50	4
UMEA 0072	0.7	1.4	50	4
UMEA 0082	0.8	1.6	50	4
UMEA 0092	0.9	1.8	50	4
UMEA 0112	1.1	3.0	50	4
UMEA 0122	1.2	3.0	50	4
UMEA 0132	1.3	3.0	50	4
UMEA 0142	1.4	3.0	50	4
UMEA 0162	1.6	4.0	50	4
UMEA 0172	1.7	4.0	50	4
UMEA 0182	1.8	4.0	50	4
UMEA 0192	1.9	4.0	50	4
UMEA 0212	2.1	6.0	50	4
UMEA 0222	2.2	6.0	50	4
UMEA 0232	2.3	6.0	50	4
UMEA 0242	2.4	6.0	50	4
UMEA 0262	2.6	8.0	50	4
UMEA 0272	2.7	8.0	50	4
UMEA 0282	2.8	8.0	50	4
UMEA 0292	2.9	8.0	50	4

UEA

Square End Mills



極細超微粒平刀 4 刃



Type No.	Diameter	Flute Length	O.A.L.	Shank Dia
UEA 0104	1.0	3	50	4
UEA 0154	1.5	4	50	4
UEA 0204	2.0	6	50	4
UEA 0254	2.5	8	50	4
UEA 0304	3.0	8	50	4
UEA 0354	3.5	10	50	4
UEA 0404	4.0	11	50	4
UEA 0454	4.5	13	50	6
UEA 0504	5.0	13	50	6
UEA 0554	5.5	13	50	6
UEA 0604	6.0	15	50	6
UEA 0654	6.5	15	60	8
UEA 0704	7.0	20	60	8
UEA 0804	8.0	20	60	8
UEA 0854	8.5	25	75	10
UEA 0904	9.0	25	75	10
UEA 0954	9.5	25	75	10
UEA 1004	10.0	25	75	10
UEA 1104	11.0	30	75	12
UEA 1204	12.0	30	75	12
UEA 1304	13.0	33	75	14
UEA 1404	14.0	35	75	14
UEA 1604	16.0	46	100	16
UEA 2004	20.0	46	100	20
UEA 2504	25.0	50	100	25

UERH

Clearance

Corner Radius End Mills



極細超微粒長效型圓鼻刀 2 刃



Type No.	Diameter	Corner R	Flute Length	Radius Length	O.A.L.	Shank Dia
UERH 04022	4.0	0.2	6	12	50	6
UERH 04052	4.0	0.5	6	12	50	6
UERH 06022	6.0	0.2	8	18	50	6
UERH 06052	6.0	0.5	8	18	50	6
UERH 06102	6.0	1.0	8	18	50	6
UERH 08022	8.0	0.2	10	24	60	8
UERH 08052	8.0	0.5	10	24	60	8
UERH 08102	8.0	1.0	10	24	60	8
UERH 10032	10.0	0.3	12	30	75	10
UERH 10052	10.0	0.5	12	30	75	10
UERH 10102	10.0	1.0	12	30	75	10
UERH 10202	10.0	2.0	12	30	75	10
UERH 12102	12.0	1.0	15	36	75	12
UERH 12202	12.0	2.0	15	36	75	12
UERH 16052	16.0	0.5	24	40	100	16
UERH 16102	16.0	1.0	24	40	100	16

UEA45

High Hardness

Square End Mills



極細超微粒平刀 4 刃



Type No.	Diameter	Flute Length	O.A.L.	Shank Dia
UEA45 0104	1.0	3	50	4
UEA45 0204	2.0	6	50	4
UEA45 0304	3.0	8	50	6
UEA45 0404	4.0	11	50	6
UEA45 0504	5.0	13	50	6
UEA45 0604	6.0	15	50	6
UEA45 0804	8.0	20	60	8
UEA45 1004	10.0	30	75	10
UEA45 1204	12.0	32	75	12
UEA45 1604	16.0	40	100	16
UEA45 2004	20.0	45	100	20
UEA45 2504	25.0	45	100	25

UEA45

High Hardness

Square End Mills



極細超微粒平刀 6 刃



Type No.	Diameter	Flute Length	O.A.L.	Shank Dia
UEA45 0206	2.0	4	50	4
UEA45 0306	3.0	6	50	6
UEA45 0406	4.0	8	50	6
UEA45 0506	5.0	13	50	6
UEA45 0606	6.0	15	50	6
UEA45 0806	8.0	20	60	8
UEA45 1006	10.0	30	75	10
UEA45 1206	12.0	32	75	12
UEA45 1606	16.0	40	100	16
UEA45 2006	20.0	45	100	20
UEA45 2506	25.0	45	100	25

UERH

Clearance

極細超微粒長效型圓鼻刀 4 刃



Corner Radius End Mills



Type No.	Diameter	Corner R	Flute Length	Shank Length	O.A.L.	Shank Dia
UERH 04034	4.0	0.3	6	12	50	6
UERH 04054	4.0	0.5	6	12	50	6
UERH 06034	6.0	0.3	8	18	50	6
UERH 06054	6.0	0.5	8	18	50	6
UERH 06104	6.0	1.0	8	18	50	6
UERH 08034	8.0	0.3	10	24	60	8
UERH 08054	8.0	0.5	10	24	60	8
UERH 08104	8.0	1.0	10	24	60	8
UERH 10054	10.0	0.5	12	30	75	10
UERH 10104	10.0	1.0	12	30	75	10
UERH 10204	10.0	2.0	12	30	75	10
UERH 10304	10.0	3.0	12	30	75	10
UERH 12054	12.0	0.5	15	36	75	12
UERH 12104	12.0	1.0	15	36	75	12
UERH 16054	16.0	0.5	24	40	100	16
UERH 16104	16.0	1.0	24	40	100	16

UERH45

Clearance

極細超微粒高硬度長效型圓鼻刀 6 刃



Corner Radius End Mills



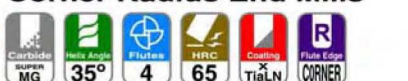
Type No.	Diameter	Corner R	Flute Length	Shank Length	O.A.L.	Shank Dia
UERH45 06036	6.0	0.3	8	20	50	6
UERH45 08036	8.0	0.3	10	25	60	8
UERH45 10056	10.0	0.5	12	30	75	10
UERH45 12056	12.0	0.5	15	36	75	12
UERH45 16106	16.0	1.0	24	40	100	16
UERH45 20106	20.0	1.0	30	50	100	20

UEAR

極細超微粒圓鼻刀 4 刃



Corner Radius End Mills



Type No.	Diameter	Corner R	Flute Length	O.A.L.	Shank Dia
UEAR 03034	3.0	0.3	8	50	4
UEAR 03054	3.0	0.5	8	50	4
UEAR 03104	3.0	1.0	8	50	4
UEAR 04024	4.0	0.2	10	50	4
UEAR 04034	4.0	0.3	10	50	4
UEAR 04054	4.0	0.5	10	50	4
UEAR 04104	4.0	1.0	10	50	4
UEAR 05034	5.0	0.3	13	50	6
UEAR 05054	5.0	0.5	13	50	6
UEAR 05104	5.0	1.0	13	50	6
UEAR 06024	6.0	0.2	15	50	6
UEAR 06034	6.0	0.3	15	50	6
UEAR 06054	6.0	0.5	15	50	6
UEAR 06104	6.0	1.0	15	50	6
UEAR 06204	6.0	2.0	15	50	6
UEAR 08034	8.0	0.3	20	60	8
UEAR 08054	8.0	0.5	20	60	8
UEAR 08104	8.0	1.0	20	60	8
UEAR 08204	8.0	2.0	20	60	8
UEAR 10054	10.0	0.5	25	75	10
UEAR 10104	10.0	1.0	25	75	10
UEAR 10154	10.0	1.5	25	75	10
UEAR 10204	10.0	2.0	25	75	10
UEAR 10304	10.0	3.0	25	75	10
UEAR 12054	12.0	0.5	30	75	12
UEAR 12104	12.0	1.0	30	75	12
UEAR 12154	12.0	1.5	30	75	12
UEAR 12204	12.0	2.0	30	75	12
UEAR 12304	12.0	3.0	30	75	12

nd Mills

UENRC

Long Neck

極細超微粒深溝專用 6 柄圓鼻刀 2 刃



Corner Radius End Mills



Type No.	Diameter	Corner R	Flute Length	Shank Length	O.A.L.	Shank Dia
UENRC 10042	1.0	0.1	1.5	4	50	6
UENRC 10062	1.0	0.1	1.5	6	50	6
UENRC 10082	1.0	0.1	1.5	8	50	6
UENRC 10102	1.0	0.1	1.5	10	50	6
UENRC 10122	1.0	0.1	1.5	12	50	6
UENRC 15042	1.5	0.1	1.5	4	50	6
UENRC 15082	1.5	0.1	1.5	8	50	6
UENRC 15102	1.5	0.1	1.5	10	50	6
UENRC 15122	1.5	0.1	1.5	12	50	6
UENRC 20082	2.0	0.2	2	8	50	6
UENRC 20102	2.0	0.2	2	10	50	6
UENRC 20122	2.0	0.2	2	12	50	6
UENRC 20162	2.0	0.2	2	16	50	6
UENRC 30082	3.0	0.2	3	8	50	6
UENRC 30122	3.0	0.2	3	12	50	6
UENRC 30162	3.0	0.2	3	16	50	6
UENRC 30202	3.0	0.2	3	20	50	6
UENRC 40102	4.0	0.2	4	10	50	6
UENRC 40162	4.0	0.2	4	16	50	6
UENRC 40202	4.0	0.2	4	20	60	6

UEN

Long Neck

極細超微粒深溝專用平刀 2 刃



Square End Mills



Type No.	Diameter	Flute Length	Shank Length	O.A.L.	Shank Dia
UEN 05022	0.5	0.75	2	50	4
UEN 05042	0.5	0.75	4	50	4
UEN 05062	0.5	0.75	6	50	4
UEN 06022	0.6	0.9	2	50	4
UEN 10062	1.0	1.5	6	50	4
UEN 10082	1.0	1.5	8	50	4
UEN 10102	1.0	1.5	10	50	4
UEN 10122	1.0	1.5	12	50	4
UEN 15062	1.5	2.3	6	50	4
UEN 15082	1.5	2.3	8	50	4
UEN 15102	1.5	2.3	10	50	4
UEN 15122	1.5	2.3	12	50	4
UEN 15142	1.5	2.3	14	50	4
UEN 15162	1.5	2.3	16	50	4
UEN 15182	1.5	2.3	18	50	4
UEN 15202	1.5	2.3	20	50	4
UEN 20062	2.0	3.0	6	50	4
UEN 20082	2.0	3.0	8	50	4
UEN 20102	2.0	3.0	10	50	4
UEN 20122	2.0	3.0	12	50	4
UEN 20142	2.0	3.0	14	50	4
UEN 20162	2.0	3.0	16	50	4
UEN 20182	2.0	3.0	18	50	4
UEN 20202	2.0	3.0	20	50	4
UEN 25082	2.5	4.0	8	50	4
UEN 25122	2.5	4.0	12	50	4
UEN 25162	2.5	4.0	16	50	4
UEN 25202	2.5	4.0	20	50	4
UEN 30102	3.0	4.5	10	50	6
UEN 30122	3.0	4.5	12	50	6
UEN 30162	3.0	4.5	16	60	6
UEN 30202	3.0	4.5	20	60	6
UEN 30252	3.0	4.5	25	75	6
UEN 40122	4.0	6.0	12	50	6
UEN 40162	4.0	6.0	16	60	6
UEN 40202	4.0	6.0	20	75	6
UEN 40252	4.0	6.0	25	75	6
UEN 40302	4.0	6.0	30	75	6
UEN 40352	4.0	6.0	35	75	6



NEW PRODUCTS / S SERIES / U SERIES / K SERIES