

二代變形鎢鋼立銑刀

EXCHANGEABLE HEAD ENDMILL II



X-WDEX



抗震鎢鋼刀桿（內冷孔）
Solid Carbide Shank (Internal Coolant Hole)

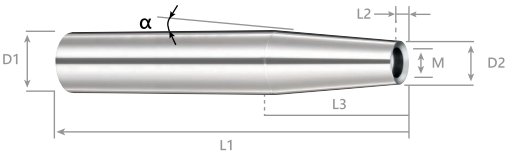


型號 Type NO.	柄徑 D1	全長 L1	螺牙 M
X-WDEX-080060	8.0	60	M5-3P
X-WDEX-080075	8.0	75	M5-3P
X-WDEX-080100	8.0	100	M5-3P
X-WDEX-100060	10.0	60	M7-3P
X-WDEX-100075	10.0	75	M7-3P
X-WDEX-100100	10.0	100	M7-3P
X-WDEX-100150	10.0	150	M7-3P
X-WDEX-120060	12.0	60	M8-3P
X-WDEX-120080	12.0	80	M8-3P
X-WDEX-120100	12.0	100	M8-3P
X-WDEX-120150	12.0	150	M8-3P
X-WDEX-160060	16.0	60	M10-3P
X-WDEX-160080	16.0	80	M10-3P
X-WDEX-160100	16.0	100	M10-3P
X-WDEX-160150	16.0	150	M10-3P
X-WDEX-160200	16.0	200	M10-3P
X-WDEX-200060	20.0	60	M12-3P
X-WDEX-200080	20.0	80	M12-3P
X-WDEX-200100	20.0	100	M12-3P
X-WDEX-200150	20.0	150	M12-3P
X-WDEX-200200	20.0	200	M12-3P
X-WDEX-200250	20.0	250	M12-3P
X-WDEX-200300	20.0	300	M12-3P
X-WDEX-250100	25.0	100	M16-3P
X-WDEX-250150	25.0	150	M16-3P
X-WDEX-250200	25.0	200	M16-3P
X-WDEX-250250	25.0	250	M16-3P
X-WDEX-250300	25.0	300	M16-3P
X-WDEX-320100	32.0	100	M20-3P
X-WDEX-320150	32.0	150	M20-3P
X-WDEX-320200	32.0	200	M20-3P
X-WDEX-320250	32.0	250	M20-3P
X-WDEX-320300	32.0	300	M20-3P

X-WFEX



抗震鎢鋼刀桿（內冷孔）
Solid Carbide Shank (Internal Coolant Hole)

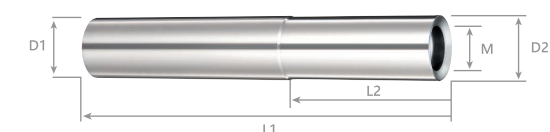


型號 Type NO.	柄徑 D1	斜角 α	全長 L1	有效長 L2	斜頭長 L3	頭徑 D2	螺牙 M
X-WFEX-120100	12.0	1.5	100	2	44	9.8	M7-3P
X-WFEX-120150	12.0	1.0	150	2	65	9.8	M7-3P
X-WFEX-160100	16.0	2.0	100	3	50	11.7	M8-3P
X-WFEX-160150	16.0	1.5	150	3	85	11.7	M8-3P
X-WFEX-160200	16.0	1.0	200	3	126	11.7	M8-3P
X-WFEX-200100	20.0	2.0	100	4	50	15.6	M10-3P
X-WFEX-200150	20.0	1.5	150	4	88	15.6	M10-3P
X-WFEX-200200	20.0	1.0	200	4	130	15.6	M10-3P
X-WFEX-250200	25.0	1.5	200	6	111	19.5	M12-3P
X-WFEX-250300	25.0	1.0	300	6	164	19.5	M12-3P
X-WFEX-320300	32.0	1.5	300	8	153	24.4	M16-3P

X-WHEX



抗震鎢鋼刀桿（內冷孔）
Solid Carbide Shank (Internal Coolant Hole)



型號 Type NO.	柄徑 D1	全長 L1	有效長 L2	頭徑 D2	螺牙 M
X-WHEX-080060	8.0	60	15	7.8	M5-3P
X-WHEX-080075	8.0	75	20	7.8	M5-3P
X-WHEX-080100	8.0	100	20	7.8	M5-3P
X-WHEX-100060	10.0	60	15	9.8	M7-3P
X-WHEX-100075	10.0	75	20	9.8	M7-3P
X-WHEX-100100	10.0	100	20	9.8	M7-3P
X-WHEX-100150	10.0	150	40	9.8	M7-3P
X-WHEX-120060	12.0	60	15	11.7	M8-3P
X-WHEX-120080	12.0	80	20	11.7	M8-3P
X-WHEX-120100	12.0	100	60	11.7	M8-3P
X-WHEX-120150	12.0	150	90	11.7	M8-3P
X-WHEX-160060	16.0	60	15	15.6	M10-3P
X-WHEX-160080	16.0	80	30	15.6	M10-3P
X-WHEX-160100	16.0	100	60	15.6	M10-3P
X-WHEX-160150	16.0	150	90	15.6	M10-3P
X-WHEX-160200	16.0	200	120	15.6	M10-3P
X-WHEX-200060	20.0	60	20	19.5	M12-3P
X-WHEX-200080	20.0	80	40	19.5	M12-3P
X-WHEX-200100	20.0	100	60	19.5	M12-3P
X-WHEX-200150	20.0	150	90	19.5	M12-3P
X-WHEX-200200	20.0	200	120	19.5	M12-3P
X-WHEX-200250	20.0	250	150	19.5	M12-3P
X-WHEX-200300	20.0	300	180	19.5	M12-3P
X-WHEX-250100	25.0	100	50	24.4	M16-3P
X-WHEX-250150	25.0	150	90	24.4	M16-3P
X-WHEX-250200	25.0	200	120	24.4	M16-3P
X-WHEX-250250	25.0	250	150	24.4	M16-3P
X-WHEX-250300	25.0	300	180	24.4	M16-3P
X-WHEX-320100	32.0	100	50	31.2	M20-3P
X-WHEX-320150	32.0	150	90	31.2	M20-3P
X-WHEX-320200	32.0	200	120	31.2	M20-3P
X-WHEX-320250	32.0	250	150	31.2	M20-3P
X-WHEX-320300	32.0	300	180	31.2	M20-3P

K

變形刀頭鎖固扳手
Spanner



型號 Type NO.	直徑 D1	標準立銑刀頭 End Mills	爆丸球刀頭 Ball Nose Endmills	螺紋銑刀頭 Thread Milling	板手鎖固扭力值 N.m
K08	8.0	XT-08	XTs-08	--	6
K10	10.0	XT-10	XTs-10	--	7
K12	12.0	XT-12	XTs-12	--	9
K16	16.0	XT-16	XTs-16	X-TW	10
K20	20.0	XT-20	XTs-20	X-TW	12
K25	25.0	XT-25	XTs-25	X-TW	15
K32	32.0	XT-32	XTs-32	X-TW	20

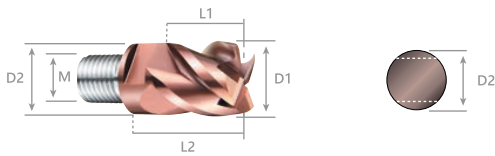
附註
Note

刀桿與刀頭結合時可參考表格之「扭力值」。
When combining shank and head, please refer to the "N.m" value.

X-UET



極超微粒立銑刀頭 End Mills



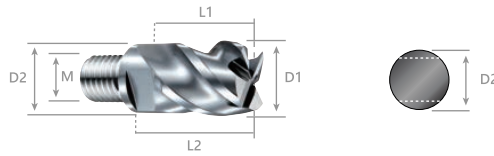
型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鋼圓板手型號 Spanner Type NO.
X-UET0804	8.0	8	12.1	7.8	M5-3P	K08
X-UET1004	10.0	10	16.1	9.8	M7-3P	K10
X-UET1204	12.0	12	20.3	11.7	M8-3P	K12
X-UET1604	16.0	16	25.7	15.6	M10-3P	K16
X-UET2004	20.0	20	31.1	19.5	M12-3P	K20
X-UET2504	25.0	25	39.3	24.4	M16-3P	K25
X-UET3204	32.0	32	48.0	31.2	M20-3P	K32

X-UEX



高效能立銑刀頭 End Mills

High Hardness



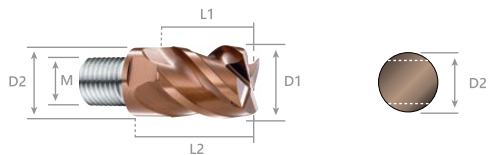
型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鋼圓板手型號 Spanner Type NO.
X-UEX0804	8.0	8	12.1	7.8	M5-3P	K08
X-UEX1004	10.0	10	16.1	9.8	M7-3P	K10
X-UEX1204	12.0	12	20.3	11.7	M8-3P	K12
X-UEX1604	16.0	16	25.7	15.6	M10-3P	K16
X-UEX2004	20.0	20	31.1	19.5	M12-3P	K20
X-UEX2504	25.0	25	39.3	24.4	M16-3P	K25
X-UEX3204	32.0	32	48.0	31.2	M20-3P	K32

X-UPS



高效能立銑刀頭 End Mills

Heavy Duty



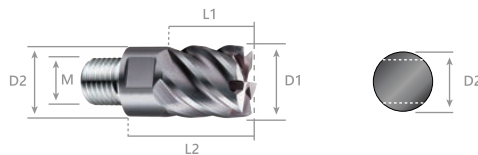
型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鋼圓板手型號 Spanner Type NO.
X-UPS0804	8.0	8	12.1	7.8	M5-3P	K08
X-UPS1004	10.0	10	16.1	9.8	M7-3P	K10
X-UPS1204	12.0	12	20.3	11.7	M8-3P	K12
X-UPS1604	16.0	16	25.7	15.6	M10-3P	K16
X-UPS2004	20.0	20	31.1	19.5	M12-3P	K20
X-UPS2504	25.0	25	39.3	24.4	M16-3P	K25
X-UPS3204	32.0	32	48.0	31.2	M20-3P	K32

X-UVT



高硬度用立銑刀頭 End Mills

High Hardness



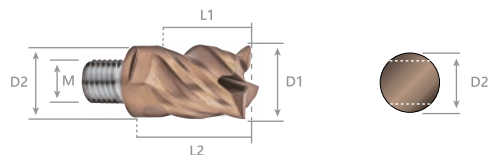
型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鋼圓板手型號 Spanner Type NO.
X-UVT0806	8.0	8	12.1	7.8	M5-3P	K08
X-UVT1006	10.0	10	16.1	9.8	M7-3P	K10
X-UVT1206	12.0	12	20.3	11.7	M8-3P	K12
X-UVT1606	16.0	16	25.7	15.6	M10-3P	K16
X-UVT2006	20.0	20	31.1	19.5	M12-3P	K20
X-UVT2506	25.0	25	39.3	24.4	M16-3P	K25
X-UVT3206	32.0	32	48.0	31.2	M20-3P	K32

X-UPZ



高效能立銑刀頭 End Mills

Heavy Duty



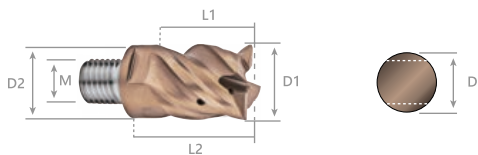
型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鋼圓板手型號 Spanner Type NO.
X-UPZ0804	8.0	8	12.1	7.8	M5-3P	K08
X-UPZ1004	10.0	10	16.1	9.8	M7-3P	K10
X-UPZ1204	12.0	12	20.3	11.7	M8-3P	K12
X-UPZ1604	16.0	16	25.7	15.6	M10-3P	K16
X-UPZ2004	20.0	20	31.1	19.5	M12-3P	K20

X-UPZO



高效能立銑刀頭(內冷孔) End Mills

Internal
Coolant Hole



型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鋼圓板手型號 Spanner Type NO.
X-UPZO0804	8.0	8	12.1	7.8	M5-3P	K08
X-UPZO1004	10.0	10	16.1	9.8	M7-3P	K10
X-UPZO1204	12.0	12	20.3	11.7	M8-3P	K12
X-UPZO1604	16.0	16	25.7	15.6	M10-3P	K16
X-UPZO2004	20.0	20	31.1	19.5	M12-3P	K20

EXCHANGEABLE
HEAD
ENDMILL 2

HSC
&
HHC

HIGH
PERFORMANCE

UNEQUAL FLUTE
SPACING
VARIABLE HELIX
SERIES

MICRO DIAMETER
LONG NECK
SERIES

STANDARD SERIES

SOFT MATERIALS
SERIES

AEROSPACE TITANIUM
SERIES

STAINLESS STEEL
CUTTING SERIES

ECONOMY SERIES

CARBON STEEL
CUTTING SERIES

GRAPHITE CUTTING
SERIES

COMPOSITE
MATERIALS
CUTTING SERIES

CARBIDE DRILLS
SERIES

THREAD MILLING
TOOLS SERIES

THROW-AWAY
INSERT SERIES

X-UXR

Super
MG

0.4
μm

35°

R

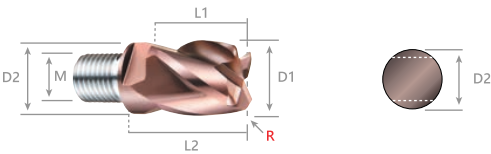
4 Flutes

HRC
➤60

G12

圓鼻角立銑刀頭
End Mills

Corner Radius



型號 Type NO.	直徑 D1	R角 R	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UXR0803	8.0	0.3	8	12.1	7.8	M5-3P	K08
X-UXR0805	8.0	0.5	8	12.1	7.8	M5-3P	K08
X-UXR0810	8.0	1.0	8	12.1	7.8	M5-3P	K08
X-UXR1005	10.0	0.5	10	16.1	9.8	M7-3P	K10
X-UXR1010	10.0	1.0	10	16.1	9.8	M7-3P	K10
X-UXR1205	12.0	0.5	12	20.3	11.7	M8-3P	K12
X-UXR1210	12.0	1.0	12	20.3	11.7	M8-3P	K12
X-UXR1605	16.0	0.5	16	25.7	15.6	M10-3P	K16
X-UXR1610	16.0	1.0	16	25.7	15.6	M10-3P	K16
X-UXR1620	16.0	2.0	16	25.7	15.6	M10-3P	K16
X-UXR2010	20.0	1.0	20	31.1	19.5	M12-3P	K20
X-UXR2020	20.0	2.0	20	31.1	19.5	M12-3P	K20
X-UXR2030	20.0	3.0	20	31.1	19.5	M12-3P	K20
X-UXR2530	25.0	3.0	25	39.3	24.4	M16-3P	K25
X-UXR2550	25.0	5.0	25	39.3	24.4	M16-3P	K25

X-UEXR

Super
MG

0.2
μm

45°

R

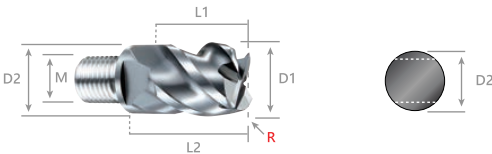
4 Flutes

HRC
➤65

G15

高效能立銑刀頭
End Mills

Corner Radius



型號 Type NO.	直徑 D1	R角 R	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UEXR0803	8.0	0.3	8	12.1	7.8	M5-3P	K08
X-UEXR0805	8.0	0.5	8	12.1	7.8	M5-3P	K08
X-UEXR0810	8.0	1.0	8	12.1	7.8	M5-3P	K08
X-UEXR1005	10.0	0.5	10	16.1	9.8	M7-3P	K10
X-UEXR1010	10.0	1.0	10	16.1	9.8	M7-3P	K10
X-UEXR1205	12.0	0.5	12	20.3	11.7	M8-3P	K12
X-UEXR1210	12.0	1.0	12	20.3	11.7	M8-3P	K12
X-UEXR1220	12.0	2.0	12	20.3	11.7	M8-3P	K12
X-UEXR1610	16.0	1.0	16	25.7	15.6	M10-3P	K16
X-UEXR1620	16.0	2.0	16	25.7	15.6	M10-3P	K16
X-UEXR1630	16.0	3.0	16	25.7	15.6	M10-3P	K16
X-UEXR2010	20.0	1.0	20	31.1	19.5	M12-3P	K20
X-UEXR2020	20.0	2.0	20	31.1	19.5	M12-3P	K20
X-UEXR2030	20.0	3.0	20	31.1	19.5	M12-3P	K20
X-UEXR2510	25.0	1.0	25	39.3	24.4	M16-3P	K25
X-UEXR2530	25.0	3.0	25	39.3	24.4	M16-3P	K25
X-UEXR2550	25.0	5.0	25	39.3	24.4	M16-3P	K25
X-UEXR3230	32.0	3.0	32	48.0	31.2	M20-3P	K32
X-UEXR3250	32.0	5.0	32	48.0	31.2	M20-3P	K32

X-UOR

Super
MG

0.2
μm

0°

R

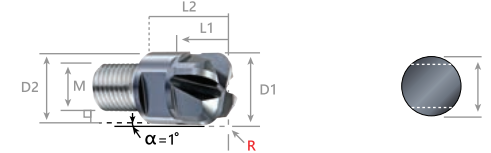
4 Flutes

HRC
➤65

G15

直刃圓鼻角立銑刀頭
End Mills

Corner Radius



型號 Type NO.	直徑 D1	R角 R	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UOR0810	8.0	1.0	3.5	10.1	7.8	M5-3P	K08
X-UOR0820	8.0	2.0	3.5	10.1	7.8	M5-3P	K08
X-UOR1010	10.0	1.0	4.0	11.1	9.8	M7-3P	K10
X-UOR1020	10.0	2.0	4.0	11.1	9.8	M7-3P	K10
X-UOR1110	11.0	1.0	4.0	11.1	10.7	M7-3P	K10
X-UOR1120	11.0	2.0	4.0	11.1	10.7	M7-3P	K10
X-UOR1220	12.0	2.0	5.0	13.8	11.7	M8-3P	K12
X-UOR1230	12.0	3.0	5.0	13.8	11.7	M8-3P	K12
X-UOR1320	13.0	2.0	5.0	13.8	12.7	M8-3P	K12
X-UOR1330	13.0	3.0	5.0	13.8	12.7	M8-3P	K12
X-UOR1620	16.0	2.0	6.5	14.7	15.6	M10-3P	K16
X-UOR1630	16.0	3.0	6.5	14.7	15.6	M10-3P	K16
X-UOR1640	16.0	4.0	6.5	14.7	15.6	M10-3P	K16
X-UOR1720	17.0	2.0	6.5	14.7	16.6	M10-3P	K16
X-UOR1730	17.0	3.0	6.5	14.7	16.6	M10-3P	K16
X-UOR1740	17.0	4.0	6.5	14.7	16.6	M10-3P	K16
X-UOR2030	20.0	3.0	8.0	18.1	19.5	M12-3P	K20
X-UOR2050	20.0	5.0	8.0	18.1	19.5	M12-3P	K20

X-UEYR

Super
MG

0.2
μm

-20°

R

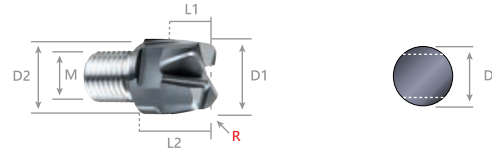
4 Flutes

HRC
➤65

G15

直刃圓鼻角立銑刀頭
End Mills

Corner Radius



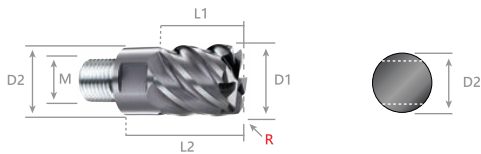
型號 Type NO.	直徑 D1	R角 R	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UEYR0810	8.0	1.0	3.5	10.1	7.8	M5-3P	K08
X-UEYR0820	8.0	2.0	3.5	10.1	7.8	M5-3P	K08
X-UEYR1010	10.0	1.0	4.0	11.1	9.8	M7-3P	K10
X-UEYR1020	10.0	2.0	4.0	11.1	9.8	M7-3P	K10
X-UEYR1220	12.0	2.0	5.0	13.8	11.7	M8-3P	K12
X-UEYR1230	12.0	3.0	5.0	13.8	11.7	M8-3P	K12
X-UEYR1620	16.0	2.0	6.5	14.7	15.6	M10-3P	K16
X-UEYR1630	16.0	3.0	6.5	14.7	15.6	M10-3P	K16
X-UEYR1640	16.0	4.0	6.5	14.7	15.6	M10-3P	K16
X-UEYR2030	20.0	3.0	8.0	18.1	19.5	M12-3P	K20
X-UEYR2050	20.0	5.0	8.0	18.1	19.5	M12-3P	K20

X-UVTR



高硬度圓鼻立銑刀頭
End Mills

Corner Radius



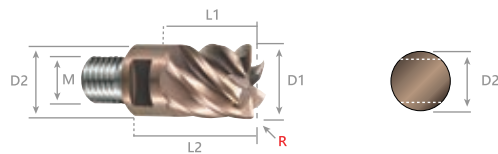
型號 Type NO.	直徑 D1	R角 R	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UVTR0805	8.0	0.5	8	12.1	7.8	M5-3P	K08
X-UVTR0810	8.0	1.0	8	12.1	7.8	M5-3P	K08
X-UVTR1005	10.0	0.5	10	16.1	9.8	M7-3P	K10
X-UVTR1010	10.0	1.0	10	16.1	9.8	M7-3P	K10
X-UVTR1205	12.0	0.5	12	20.3	11.7	M8-3P	K12
X-UVTR1210	12.0	1.0	12	20.3	11.7	M8-3P	K12
X-UVTR1605	16.0	0.5	16	25.7	15.6	M10-3P	K16
X-UVTR1610	16.0	1.0	16	25.7	15.6	M10-3P	K16
X-UVTR1620	16.0	2.0	16	25.7	15.6	M10-3P	K16
X-UVTR2010	20.0	1.0	20	31.1	19.5	M12-3P	K20
X-UVTR2020	20.0	2.0	20	31.1	19.5	M12-3P	K20
X-UVTR2030	20.0	3.0	20	31.1	19.5	M12-3P	K20
X-UVTR2530	25.0	3.0	25	39.3	24.4	M16-3P	K25
X-UVTR2550	25.0	5.0	25	39.3	24.4	M16-3P	K25

X-VRI



圓鼻角立銑刀頭
End Mills

Corner Radius
High Hardness



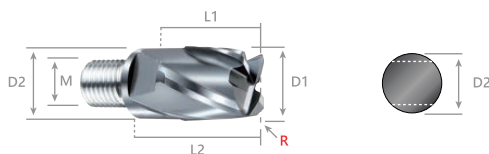
型號 Type NO.	直徑 D1	R角 R	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-VRI0805	8.0	0.5	8	12.1	7.8	M5-3P	K08
X-VRI0810	8.0	1.0	8	12.1	7.8	M5-3P	K08
X-VRI1005	10.0	0.5	10	16.1	9.8	M7-3P	K10
X-VRI1010	10.0	1.0	10	16.1	9.8	M7-3P	K10
X-VRI1205	12.0	0.5	12	20.3	11.7	M8-3P	K12
X-VRI1210	12.0	1.0	12	20.3	11.7	M8-3P	K12
X-VRI1215	12.0	1.5	12	20.3	11.7	M8-3P	K12
X-VRI1605	16.0	0.5	16	25.7	15.6	M10-3P	K16
X-VRI1610	16.0	1.0	16	25.7	15.6	M10-3P	K16
X-VRI1620	16.0	2.0	16	25.7	15.6	M10-3P	K16
X-VRI2010	20.0	1.0	20	31.1	19.5	M12-3P	K20
X-VRI2020	20.0	2.0	20	31.1	19.5	M12-3P	K20
X-VRI2030	20.0	3.0	20	31.1	19.5	M12-3P	K20

X-UPR



高硬度用圓鼻角立銑刀頭
End Mills

Corner Radius



型號 Type NO.	直徑 D1	R角 R	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UPR0805	8.0	0.5	8	12.1	7.8	M5-3P	K08
X-UPR0810	8.0	1.0	8	12.1	7.8	M5-3P	K08
X-UPR1005	10.0	0.5	10	16.1	9.8	M7-3P	K10
X-UPR1010	10.0	1.0	10	16.1	9.8	M7-3P	K10
X-UPR1210	12.0	1.0	12	20.3	11.7	M8-3P	K12
X-UPR1220	12.0	2.0	12	20.3	11.7	M8-3P	K12
X-UPR1610	16.0	1.0	16	25.7	15.6	M10-3P	K16
X-UPR1620	16.0	2.0	16	25.7	15.6	M10-3P	K16
X-UPR1630	16.0	3.0	16	25.7	15.6	M10-3P	K16
X-UPR2010	20.0	1.0	20	31.1	19.5	M12-3P	K20
X-UPR2020	20.0	2.0	20	31.1	19.5	M12-3P	K20
X-UPR2030	20.0	3.0	20	31.1	19.5	M12-3P	K20
X-UPR2050	20.0	5.0	20	31.1	19.5	M12-3P	K20
X-UPR2510	25.0	1.0	25	39.3	24.4	M16-3P	K25
X-UPR2520	25.0	2.0	25	39.3	24.4	M16-3P	K25
X-UPR2530	25.0	3.0	25	39.3	24.4	M16-3P	K25
X-UPR2550	25.0	5.0	25	39.3	24.4	M16-3P	K25
X-UPR3210	32.0	1.0	32	48.0	31.2	M20-3P	K32
X-UPR3230	32.0	3.0	32	48.0	31.2	M20-3P	K32
X-UPR3250	32.0	5.0	32	48.0	31.2	M20-3P	K32

EXCHANGEABLE
HEAD
ENDMILL 2

HSC
&
HHC

HIGH
PERFORMANCE

UNIFORM FLUTE
SPACING
VARIABLE HELIX
SERIES

MICRO DIAMETER
LONG NECK
SERIES

STANDARD SERIES

SOFT MATERIALS
SERIES

AEROSPACE TITANIUM
SERIES

STAINLESS STEEL
CUTTING SERIES

ECONOMY SERIES

CARBON STEEL
CUTTING SERIES

GRAPHITE CUTTING
SERIES

COMPOSITE
MATERIALS
CUTTING SERIES

CARBIDE DRILLS
SERIES

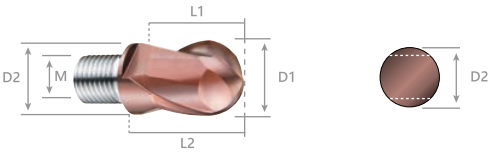
THREAD MILLING
TOOLS SERIES

THROW-AWAY
INSERT SERIES

X-UB 2T

Super MG 0.4 μm 30° 2 Flutes HRC > 62 G12 S S Type

極超微粒圓頭立銑刀頭
Ball Nose End Mills

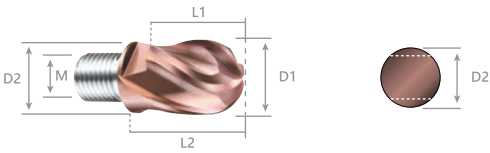


型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UB0802	R4.0	8	12.1	7.8	M5-3P	K08
X-UB1002	R5.0	10	16.1	9.8	M7-3P	K10
X-UB1202	R6.0	12	20.3	11.7	M8-3P	K12
X-UB1602	R8.0	16	25.7	15.6	M10-3P	K16
X-UB2002	R10.0	20	31.1	19.5	M12-3P	K20
X-UB2502	R12.5	25	39.3	24.4	M16-3P	K25
X-UB3202	R16.0	32	48.0	31.2	M20-3P	K32

X-UB 4T

Super MG 0.4 μm 30° 4 Flutes HRC > 62 G12 S S Type

極超微粒圓頭立銑刀頭
Ball Nose End Mills



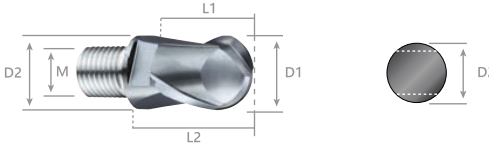
型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UB0804	R4.0	8	12.1	7.8	M5-3P	K08
X-UB1004	R5.0	10	16.1	9.8	M7-3P	K10
X-UB1204	R6.0	12	20.3	11.7	M8-3P	K12
X-UB1604	R8.0	16	25.7	15.6	M10-3P	K16
X-UB2004	R10.0	20	31.1	19.5	M12-3P	K20
X-UB2504	R12.5	25	39.3	24.4	M16-3P	K25
X-UB3204	R16.0	32	48.0	31.2	M20-3P	K32

X-UBT 2T

Super MG 0.2 μm 30° 2 Flutes HRC > 65 G15

高硬度用圓頭立銑刀頭
Ball Nose End Mills

High Hardness



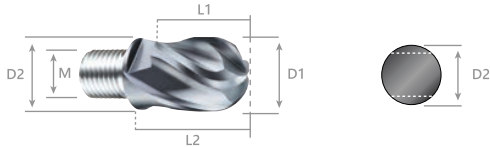
型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UBT0802	R4.0	8	12.1	7.8	M5-3P	K08
X-UBT1002	R5.0	10	16.1	9.8	M7-3P	K10
X-UBT1202	R6.0	12	20.3	11.7	M8-3P	K12
X-UBT1602	R8.0	16	25.7	15.6	M10-3P	K16
X-UBT2002	R10.0	20	31.1	19.5	M12-3P	K20
X-UBT2502	R12.5	25	39.3	24.4	M16-3P	K25

X-UBT 4T

Super MG 0.2 μm 30° 4 Flutes HRC > 65 G15

高硬度用圓頭立銑刀頭
Ball Nose End Mills

High Hardness

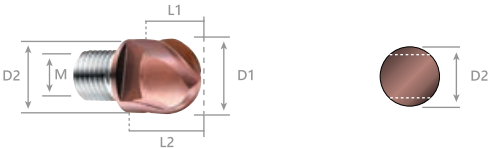


型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-UBT0804	R4.0	8	12.1	7.8	M5-3P	K08
X-UBT1004	R5.0	10	16.1	9.8	M7-3P	K10
X-UBT1204	R6.0	12	20.3	11.7	M8-3P	K12
X-UBT1604	R8.0	16	25.7	15.6	M10-3P	K16
X-UBT2004	R10.0	20	31.1	19.5	M12-3P	K20
X-UBT2504	R12.5	25	39.3	24.4	M16-3P	K25

Xs-UB

Super MG 0.4 μm 2 Flutes HRC > 62 G12 S S Type

爆丸球刀頭
Ball Nose End Mills



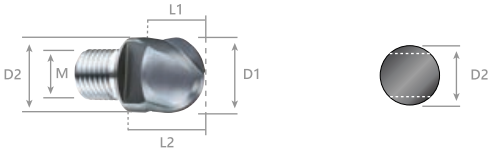
型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
Xs-UB0802	R4.0	6	10.1	7.8	M5-3P	K08
Xs-UB1002	R5.0	7	11.1	9.8	M7-3P	K10
Xs-UB1202	R6.0	9	13.8	11.7	M8-3P	K12
Xs-UB1602	R8.0	10	14.7	15.6	M10-3P	K16
Xs-UB2002	R10.0	12	18.1	19.5	M12-3P	K20
Xs-UB2502	R12.5	16	22.3	24.4	M16-3P	K25

Xs-UBT

Super MG 0.2 μm 2 Flutes HRC > 65 G15

爆丸球刀頭
Ball Nose End Mills

High Hardness

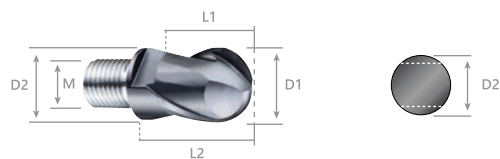


型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
Xs-UBT0802	R4.0	6	10.1	7.8	M5-3P	K08
Xs-UBT1002	R5.0	7	11.1	9.8	M7-3P	K10
Xs-UBT1202	R6.0	9	13.8	11.7	M8-3P	K12
Xs-UBT1602	R8.0	10	14.7	15.6	M10-3P	K16
Xs-UBT2002	R10.0	12	18.1	19.5	M12-3P	K20
Xs-UBT2502	R12.5	16	22.3	24.4	M16-3P	K25

X-BTB^{2T}



超微粒圓頭立銑刀頭
Ball Nose End Mills

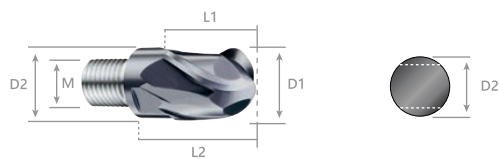


型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-BTB0802	R4.0	8	12.1	7.8	M5-3P	K08
X-BTB1002	R5.0	10	16.1	9.8	M7-3P	K10
X-BTB1202	R6.0	12	20.3	11.7	M8-3P	K12
X-BTB1602	R8.0	16	25.7	15.6	M10-3P	K16
X-BTB2002	R10.0	20	31.1	19.5	M12-3P	K20
X-BTB2502	R12.5	25	39.3	24.4	M16-3P	K25
X-BTB3202	R16.0	32	48.0	31.2	M20-3P	K32

X-BTB^{3T}



超微粒圓頭立銑刀頭
Ball Nose End Mills

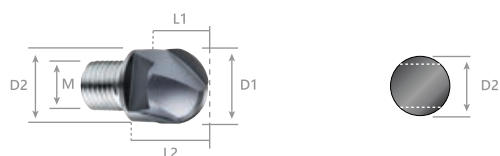


型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-BTB0803	R4.0	8	12.1	7.8	M5-3P	K08
X-BTB1003	R5.0	10	16.1	9.8	M7-3P	K10
X-BTB1203	R6.0	12	20.3	11.7	M8-3P	K12
X-BTB1603	R8.0	16	25.7	15.6	M10-3P	K16
X-BTB2003	R10.0	20	31.1	19.5	M12-3P	K20
X-BTB2503	R12.5	25	39.3	24.4	M16-3P	K25
X-BTB3203	R16.0	32	48.0	31.2	M20-3P	K32

Xs-BTB



爆丸球刀頭
Ball Nose End Mills

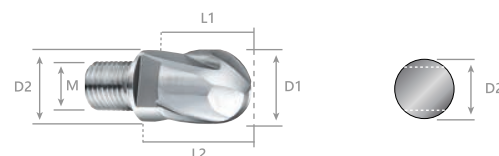


型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
Xs-BTB0802	R4.0	6	10.1	7.8	M5-3P	K08
Xs-BTB1002	R5.0	7	11.1	9.8	M7-3P	K10
Xs-BTB1202	R6.0	9	13.8	11.7	M8-3P	K12
Xs-BTB1602	R8.0	10	14.7	15.6	M10-3P	K16
Xs-BTB2002	R10.0	12	18.1	19.5	M12-3P	K20
Xs-BTB2502	R12.5	16	22.3	24.4	M16-3P	K25

X-BTC



銅鋁用圓頭立銑刀頭
Ball Nose End Mills

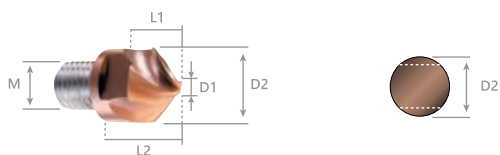


型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-BTC0802	R4.0	8	12.1	7.8	M5-3P	K08
X-BTC1002	R5.0	10	16.1	9.8	M7-3P	K10
X-BTC1202	R6.0	12	20.3	11.7	M8-3P	K12
X-BTC1602	R8.0	16	25.7	15.6	M10-3P	K16
X-BTC2002	R10.0	20	31.1	19.5	M12-3P	K20
X-BTC2502	R12.5	25	39.3	24.4	M16-3P	K25
X-BTC3202	R16.0	32	48.0	31.2	M20-3P	K32

X-TS



螺旋刃倒角刀頭
Spiral Flute Chamfering

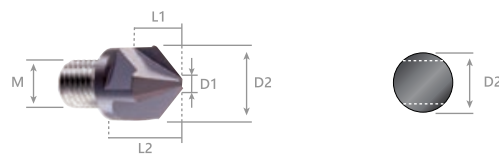


型號 Type NO.	前端徑 D1	刃長 L1	全長 L2	柄徑 D2	配合刀桿 Recommended Carbide Shank	鎖固扳手型號 Spanner Type NO.
X-TS0803	1.0	3.5	10.1	8	X-WDEX080-	K08
X-TS1003	2.0	4.0	11.1	10	X-WDEX100-	K10
X-TS1203	2.0	5.0	13.8	12	X-WDEX120-	K12
X-TS1603	3.0	6.5	14.7	16	X-WDEX160-	K16
X-TS2003	5.0	7.5	18.1	20	X-WDEX200-	K20

X-TD



直刃倒角刀頭
Straight Flute Chamfering

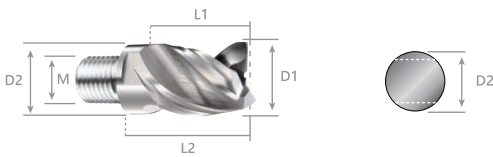


型號 Type NO.	前端徑 D1	刃長 L1	全長 L2	柄徑 D2	配合刀桿 Recommended Carbide Shank	鎖固扳手型號 Spanner Type NO.
X-TD0803	1.0	3.5	10.1	8	X-WDEX080-	K08
X-TD1003	2.0	4.0	11.1	10	X-WDEX100-	K10
X-TD1203	2.0	5.0	13.8	12	X-WDEX120-	K12
X-TD1603	3.0	6.5	14.7	16	X-WDEX160-	K16
X-TD2003	5.0	7.5	18.1	20	X-WDEX200-	K20

X-AES



高效能鋁用立銑刀頭
End Mills



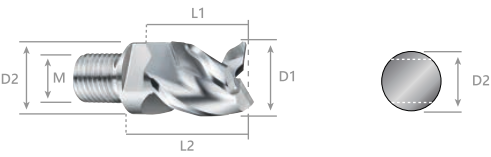
型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-AES0803	8.0	8	12.1	7.8	M5-3P	K08
X-AES1003	10.0	10	16.1	9.8	M7-3P	K10
X-AES1203	12.0	12	20.3	11.7	M8-3P	K12
X-AES1603	16.0	16	25.7	15.6	M10-3P	K16
X-AES2003	20.0	20	31.1	19.5	M12-3P	K20
X-AES2503	25.0	25	39.3	24.4	M16-3P	K25
X-AES3203	32.0	32	48.0	31.2	M20-3P	K32

X-AEW



波浪刃立銑刀頭
End Mills

Roughing



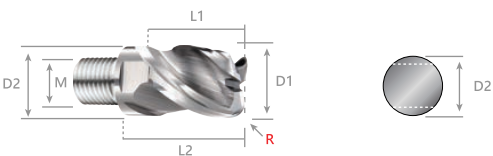
型號 Type NO.	直徑 D1	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-AEW0803	8.0	8	12.1	7.8	M5-3P	K08
X-AEW1003	10.0	10	16.1	9.8	M7-3P	K10
X-AEW1203	12.0	12	20.3	11.7	M8-3P	K12
X-AEW1603	16.0	16	25.7	15.6	M10-3P	K16
X-AEW2003	20.0	20	31.1	19.5	M12-3P	K20
X-AEW2503	25.0	25	39.3	24.4	M16-3P	K25
X-AEW3203	32.0	32	48.0	31.2	M20-3P	K32

X-AESR



高效能鋁用立銑刀頭
End Mills

Corner Radius



型號 Type NO.	直徑 D1	R角 R	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-AESR0805	8.0	0.5	8	12.1	7.8	M5-3P	K08
X-AESR0810	8.0	1.0	8	12.1	7.8	M5-3P	K08
X-AESR1005	10.0	0.5	10	16.1	9.8	M7-3P	K10
X-AESR1010	10.0	1.0	10	16.1	9.8	M7-3P	K10
X-AESR1205	12.0	0.5	12	20.3	11.7	M8-3P	K12
X-AESR1210	12.0	1.0	12	20.3	11.7	M8-3P	K12
X-AESR1605	16.0	0.5	16	25.7	15.6	M10-3P	K16
X-AESR1610	16.0	1.0	16	25.7	15.6	M10-3P	K16
X-AESR1630	16.0	3.0	16	25.7	15.6	M10-3P	K16
X-AESR2005	20.0	0.5	20	31.1	19.5	M12-3P	K20
X-AESR2010	20.0	1.0	20	31.1	19.5	M12-3P	K20
X-AESR2030	20.0	3.0	20	31.1	19.5	M12-3P	K20
X-AESR2530	25.0	3.0	25	39.3	24.4	M16-3P	K25
X-AESR3230	32.0	3.0	32	48.0	31.2	M20-3P	K32
X-AESR3250	32.0	5.0	32	48.0	31.2	M20-3P	K32