

航太系列

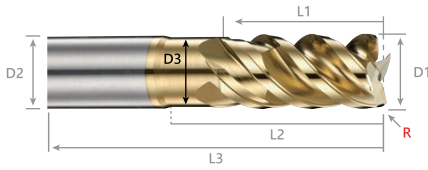
AEROSPACE TITANIUM



KSR

抗震高效能圓鼻角立銼刀
End Mills

Corner Radius



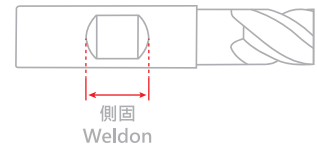
型號 Type NO.	直徑 D1	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3	柄徑 D2	側固 Weldon
KSR0302S	3.0	3.05	0.2	4	6	50	6	
KSR0302	3.0	2.85	0.2	8	12	50	6	
KSR0302E	3.0	2.85	0.2	6	10	57	6	
KSR0402S	4.0	4.05	0.2	5	9	50	6	
KSR0402	4.0	3.80	0.2	11	15	50	6	
KSR0402E	4.0	3.80	0.2	8	13	57	6	
KSR0405S	4.0	4.05	0.5	5	9	50	6	
KSR0405	4.0	3.80	0.5	11	15	50	6	
KSR0405E	4.0	3.80	0.5	8	13	57	6	
KSR0502S	5.0	5.05	0.2	7	10	50	6	
KSR0502	5.0	4.75	0.2	13	18	50	6	
KSR0502E	5.0	4.75	0.2	10	16	57	6	
KSR0602S	6.0	-	0.2	8	-	50	6	
KSR0602	6.0	5.70	0.2	16	20	50	6	
KSR0602E	6.0	5.70	0.2	12	18	57	6	★
KSR0602L	6.0	5.70	0.2	21	26	65	6	
KSR0605S	6.0	-	0.5	8	-	50	6	
KSR0605	6.0	5.70	0.5	16	20	50	6	
KSR0605E	6.0	5.70	0.5	12	18	57	6	★
KSR0605L	6.0	5.70	0.5	21	26	65	6	
KSR0610	6.0	5.70	1.0	16	20	50	6	
KSR0610E	6.0	5.70	1.0	12	18	57	6	★
KSR0610L	6.0	5.70	1.0	21	26	65	6	
KSR0805S	8.0	-	0.5	11	-	58	8	
KSR0805	8.0	7.60	0.5	20	25	60	8	
KSR0805E	8.0	7.60	0.5	16	25	63	8	★
KSR0805L	8.0	7.60	0.5	32	37	75	8	
KSR0810	8.0	7.60	1.0	20	25	60	8	
KSR0810E	8.0	7.60	1.0	16	25	63	8	★
KSR0810L	8.0	7.60	1.0	32	37	75	8	
KSR1005S	10.0	-	0.5	13	-	58	10	
KSR1005	10.0	9.50	0.5	25	32	75	10	
KSR1005E	10.0	9.50	0.5	20	29	72	10	★
KSR1005L	10.0	9.50	0.5	40	47	89	10	
KSR1010S	10.0	-	1.0	13	-	58	10	
KSR1010	10.0	9.50	1.0	25	32	75	10	
KSR1010E	10.0	9.50	1.0	20	29	72	10	★
KSR1010L	10.0	9.50	1.0	40	47	89	10	
KSR1015	10.0	9.50	1.5	25	32	75	10	
KSR1015E	10.0	9.50	1.5	20	29	72	10	★
KSR1020	10.0	9.50	2.0	25	32	75	10	
KSR1020E	10.0	9.50	2.0	20	29	72	10	★
KSR1020L	10.0	9.50	2.0	40	47	89	10	
KSR1030	10.0	9.50	3.0	25	32	75	10	
KSR1030E	10.0	9.50	3.0	20	29	72	10	★
KSR1030L	10.0	9.50	3.0	40	47	89	10	

型號 Type NO.	直徑 D1	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3	柄徑 D2	側固 Weldon
KSR1205S	12.0	-	0.5	15	-	67	12	
KSR1205	12.0	11.4	0.5	30	35	75	12	
KSR1205E	12.0	11.4	0.5	24	35	83	12	★
KSR1205L	12.0	11.4	0.5	45	53	100	12	
KSR1210S	12.0	-	1.0	15	-	67	12	
KSR1210	12.0	11.4	1.0	30	35	75	12	
KSR1210E	12.0	11.4	1.0	24	35	83	12	★
KSR1210L	12.0	11.4	1.0	45	53	100	12	
KSR1215	12.0	11.4	1.5	30	35	75	12	
KSR1215E	12.0	11.4	1.5	24	35	83	12	★
KSR1220	12.0	11.4	2.0	30	35	75	12	
KSR1220E	12.0	11.4	2.0	24	35	83	12	★
KSR1220L	12.0	11.4	2.0	45	53	100	12	
KSR1230	12.0	11.4	3.0	30	35	75	12	
KSR1230E	12.0	11.4	3.0	24	35	83	12	★
KSR1230L	12.0	11.4	3.0	45	53	100	12	
KSR1605S	16.0	-	0.5	19	-	73	16	
KSR1605	16.0	15.2	0.5	40	48	100	16	
KSR1605E	16.0	15.2	0.5	32	42	92	16	★
KSR1605L	16.0	15.2	0.5	55	65	115	16	
KSR1610S	16.0	-	1.0	19	-	73	16	
KSR1610	16.0	15.2	1.0	40	48	100	16	
KSR1610E	16.0	15.2	1.0	32	42	92	16	★
KSR1610L	16.0	15.2	1.0	55	65	115	16	
KSR1620	16.0	15.2	2.0	40	48	100	16	
KSR1620E	16.0	15.2	2.0	32	42	92	16	★
KSR1620L	16.0	15.2	2.0	55	65	115	16	
KSR1630	16.0	15.2	3.0	40	48	100	16	
KSR1630E	16.0	15.2	3.0	32	42	92	16	★
KSR1630L	16.0	15.2	3.0	55	65	115	16	

附註
Note

“★”標示為含有製作側固

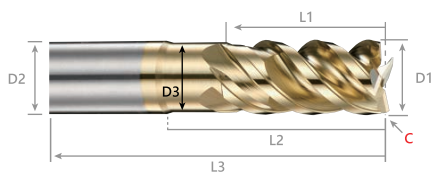
“★” Refers to be with Weldon flat design.



KSE



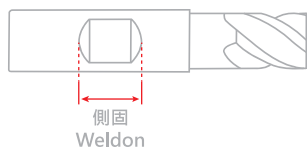
抗震高效能立銑刀 End Mills



型號 Type NO.	直徑 D1	頸徑 D3	倒角 C	刃長 L1	有效長 L2	全長 L3	柄徑 D2	側固 Weldon
KSE0304S	3.0	3.05	0.035	4	6	50	6	
KSE0304	3.0	2.85	0.035	8	12	50	6	
KSE0304E	3.0	2.85	0.035	6	10	57	6	
KSE0404S	4.0	4.05	0.045	5	9	50	6	
KSE0404	4.0	3.80	0.045	11	15	50	6	
KSE0404E	4.0	3.80	0.045	8	13	57	6	
KSE0504S	5.0	5.05	0.055	7	10	50	6	
KSE0504	5.0	4.75	0.055	13	18	50	6	
KSE0504E	5.0	4.75	0.055	10	16	57	6	
KSE0604S	6.0	-	0.075	8	-	50	6	
KSE0604	6.0	5.70	0.075	16	20	50	6	
KSE0604E	6.0	5.70	0.075	12	18	57	6	★
KSE0604L	6.0	5.70	0.075	21	26	65	6	★
KSE0804S	8.0	-	0.100	11	-	58	8	
KSE0804	8.0	7.60	0.100	20	25	60	8	
KSE0804E	8.0	7.60	0.100	16	25	63	8	★
KSE0804L	8.0	7.60	0.100	32	37	75	8	★
KSE1004S	10.0	-	0.125	13	-	58	10	
KSE1004	10.0	9.50	0.125	25	32	75	10	
KSE1004E	10.0	9.50	0.125	20	29	72	10	★
KSE1004L	10.0	9.50	0.125	40	47	89	10	★
KSE1204S	12.0	-	0.150	15	-	67	12	
KSE1204	12.0	11.4	0.150	30	35	75	12	
KSE1204E	12.0	11.4	0.150	24	35	83	12	★
KSE1204L	12.0	11.4	0.150	45	53	100	12	★
KSE1604S	16.0	-	0.200	19	-	73	16	
KSE1604	16.0	15.2	0.200	40	48	100	16	
KSE1604E	16.0	15.2	0.200	32	42	92	16	★
KSE1604L	16.0	15.2	0.200	55	65	115	16	★

附註 Note

“★”標示為含有製作側固
“★” Refers to be with Weldon flat design.



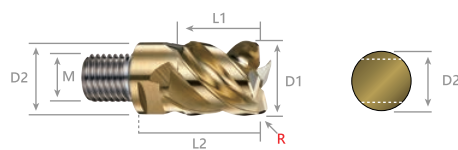
側固
Weldon

X-KSR



抗震高效能圓鼻角立銑刀頭 End Mills

Corner Radius

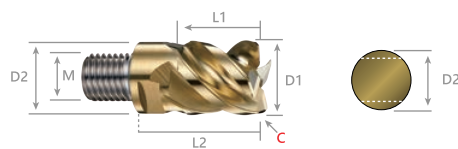


型號 Type NO.	直徑 D1	R角 R	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-KSR0805	8.0	0.5	8	12.1	7.8	M5-3P	K08
X-KSR0810	8.0	1.0	8	12.1	7.8	M5-3P	K08
X-KSR1005	10.0	0.5	10	16.1	9.8	M7-3P	K10
X-KSR1010	10.0	1.0	10	16.1	9.8	M7-3P	K10
X-KSR1015	10.0	1.5	10	16.1	9.8	M7-3P	K10
X-KSR1020	10.0	2.0	10	16.1	9.8	M7-3P	K10
X-KSR1030	10.0	3.0	10	16.1	9.8	M7-3P	K10
X-KSR1205	12.0	0.5	12	20.3	11.7	M8-3P	K12
X-KSR1210	12.0	1.0	12	20.3	11.7	M8-3P	K12
X-KSR1220	12.0	2.0	12	20.3	11.7	M8-3P	K12
X-KSR1230	12.0	3.0	12	20.3	11.7	M8-3P	K12
X-KSR1605	16.0	0.5	16	25.7	15.6	M10-3P	K16
X-KSR1610	16.0	1.0	16	25.7	15.6	M10-3P	K16
X-KSR1620	16.0	2.0	16	25.7	15.6	M10-3P	K16
X-KSR1630	16.0	3.0	16	25.7	15.6	M10-3P	K16
X-KSR1640	16.0	4.0	16	25.7	15.6	M10-3P	K16
X-KSR2005	20.0	0.5	20	31.1	19.5	M12-3P	K20
X-KSR2010	20.0	1.0	20	31.1	19.5	M12-3P	K20
X-KSR2020	20.0	2.0	20	31.1	19.5	M12-3P	K20
X-KSR2030	20.0	3.0	20	31.1	19.5	M12-3P	K20
X-KSR2040	20.0	4.0	20	31.1	19.5	M12-3P	K20

X-KSE



抗震高效能立銑刀頭 End Mills



型號 Type NO.	直徑 D1	倒角 C	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-KSE0804	8.0	0.100	8	12.1	7.8	M5-3P	K08
X-KSE1004	10.0	0.125	10	16.1	9.8	M7-3P	K10
X-KSE1204	12.0	0.150	12	20.3	11.7	M8-3P	K12
X-KSE1604	16.0	0.200	16	25.7	15.6	M10-3P	K16
X-KSE2004	20.0	0.250	20	31.1	19.5	M12-3P	K20
X-KSE2504	25.0	0.300	25	39.3	24.4	M16-3P	K25

KYR

Super MG

0.4 μm

35°-38°

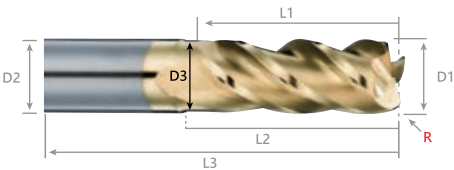
4 Flutes

HRc >60

G18

抗震高效能圓鼻角立銑刀
End Mills

Corner Radius



型號 Type NO.	直徑 D1	頸徑 D3	R角 R	刃長 L1	有效長 L2	全長 L3	柄徑 D2
KYR0302	3.0	2.9	0.2	8	12	50	6
KYR0305	3.0	2.9	0.5	8	12	50	6
KYR0402	4.0	3.8	0.2	11	16	50	6
KYR0405	4.0	3.8	0.5	11	16	50	6
KYR0505	5.0	4.8	0.5	13	18	50	6
KYR0510	5.0	4.8	1.0	13	18	50	6
KYR0602	6.0	5.8	0.2	13	19	50	6
KYR0605	6.0	5.8	0.5	13	19	50	6
KYR0610	6.0	5.8	1.0	13	19	50	6
KYR0615	6.0	5.8	1.5	13	19	50	6
KYR0805	8.0	7.7	0.5	20	25	60	8
KYR0810	8.0	7.7	1.0	20	25	60	8
KYR0815	8.0	7.7	1.5	20	25	60	8
KYR1005	10.0	9.7	0.5	22	30	75	10
KYR1010	10.0	9.7	1.0	22	30	75	10
KYR1015	10.0	9.7	1.5	22	30	75	10
KYR1020	10.0	9.7	2.0	22	30	75	10
KYR1030	10.0	9.7	3.0	22	30	75	10
KYR1205	12.0	11.6	0.5	26	36	75	12
KYR1210	12.0	11.6	1.0	26	36	75	12
KYR1215	12.0	11.6	1.5	26	36	75	12
KYR1220	12.0	11.6	2.0	26	36	75	12
KYR1230	12.0	11.6	3.0	26	36	75	12
KYR1605	16.0	15.5	0.5	36	42	100	16
KYR1610	16.0	15.5	1.0	36	42	100	16
KYR1620	16.0	15.5	2.0	36	42	100	16
KYR1630	16.0	15.5	3.0	36	42	100	16

KUB

Super MG

0.4 μm

39°

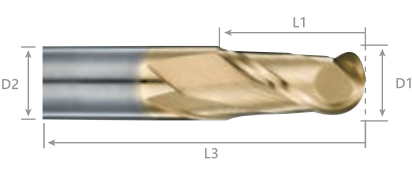
S Type

2 Flutes

HRc >60

G18

抗震高效能圓頭立銑刀
End Mills



型號 Type NO.	直徑 D1	刃長 L1	全長 L3	柄徑 D2
KUB0102	R0.5	2	50	4
KUB0152	R0.75	3	50	4
KUB0202	R1.0	4	50	6
KUB0202S	R1.0	4	50	4
KUB0302	R1.5	6	50	6
KUB0302S	R1.5	6	50	4
KUB0402	R2.0	8	50	6
KUB0402S	R2.0	8	50	4
KUB0502	R2.5	10	50	6
KUB0602	R3.0	12	50	6
KUB0802	R4.0	16	60	8
KUB1002	R5.0	20	75	10
KUB1202	R6.0	24	75	12
KUB1602	R8.0	32	100	16

KB

Super MG

0.4 μm

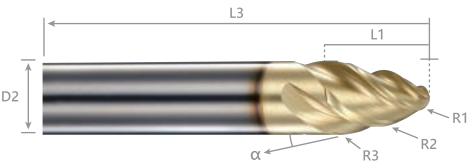
38°

4 Flutes

HRc >60

G18

高精度桶型立銑刀
End Mills



型號 Type NO.	R1	R2	R3	斜角 α	刃長 L1	全長 L3	柄徑 D2
KB10R2R030	2.0	30	5	20	12.3	89	10
KB10R2R050	2.0	50	5	20	12.5	89	10
KB10R3R100	3.0	100	5	20	10.7	89	10
KB10R3R250	3.0	250	5	20	10.8	89	10

KLB

Super MG

0.4 μm

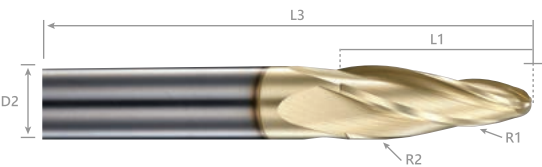
20°

4 Flutes

HRc >60

G18

高精度長桶型立銑刀
End Mills



型號 Type NO.	R1	R2	刃長 L1	全長 L3	柄徑 D2
KLB060R1R95	1.0	95	20.8	62	6
KLB080R1R90	1.0	90	24.5	68	8
KLB100R2R85	2.0	85	24.7	72	10
KLB120R2R80	2.0	80	27.3	83	12
KLB160R3R75	3.0	75	30.1	92	16

X-KB

Super MG

0.4 μm

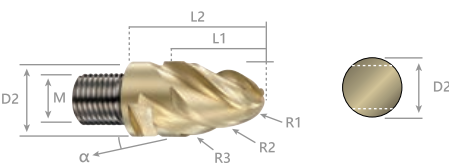
38°

4 Flutes

HRc >60

G18

高精度桶型立銑刀頭
End Mills

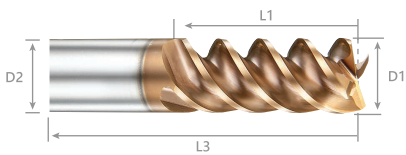


型號 Type NO.	R1	R2	R3	斜角 α	刃長 L1	全長 L2	頸徑 D2	螺牙 M	鎖固扳手型號 Spanner Type NO.
X-KB10R2R030	2.0	30	5	20	12.3	18.1	10	M7-3P	K10
X-KB10R2R050	2.0	50	5	20	12.5	18.1	10	M7-3P	K10
X-KB10R3R100	3.0	100	5	20	10.7	18.1	10	M7-3P	K10
X-KB10R3R250	3.0	250	5	20	10.8	18.1	10	M7-3P	K10

UTH



鈦滿意立銑刀 End Mills

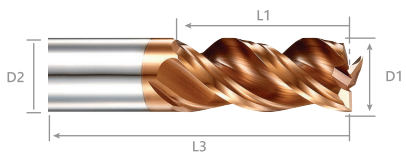


型號 Type NO.	直徑 D1	刃長 L1	全長 L3	柄徑 D2
UTH0304	3.0	8	50	6
UTH0404	4.0	11	50	6
UTH0504	5.0	13	50	6
UTH0604	6.0	16	50	6
UTH0804	8.0	20	60	8
UTH1004	10.0	25	75	10
UTH1204	12.0	30	75	12
UTH1604	16.0	40	100	16
UTH2004	20.0	45	100	20

UPA



無敵高效能立銑刀 End Mills

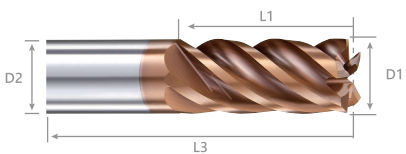


型號 Type NO.	直徑 D1	刃長 L1	全長 L3	柄徑 D2
UPA0203	2.0	6	50	6
UPA0303	3.0	8	50	6
UPA0403	4.0	11	50	6
UPA0503	5.0	13	50	6
UPA0603	6.0	16	50	6
UPA0803	8.0	20	60	8
UPA1003	10.0	25	75	10
UPA1203	12.0	30	75	12
UPA1603	16.0	50	120	16
UPA2003	20.0	60	120	20

UPW



無敵高效能立銑刀 End Mills

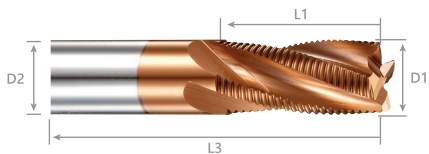


型號 Type NO.	直徑 D1	刃長 L1	全長 L3	柄徑 D2
UPW0305	3.0	8	50	6
UPW0405	4.0	11	50	6
UPW0505	5.0	13	50	6
UPW0605	6.0	16	50	6
UPW0805	8.0	20	60	8
UPW1005	10.0	22	75	10
UPW1205	12.0	26	75	12
UPW1405	14.0	30	80	14
UPW1605	16.0	36	100	16
UPW1805	18.0	40	100	18
UPW2005	20.0	40	100	20
UPW2505	25.0	45	100	25

WWB



抗震粗齒細目銑刀 End Mills



型號 Type NO.	直徑 D1	刃長 L1	全長 L3	柄徑 D2
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

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