

# X-AES



高效能鋁用立銑刀頭  
End Mills

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	D2 頸徑 Neck Dia.	L2 全長 O.A.L.	M 螺牙 Thread Size	鎖固扳手 型號 Screw Driver Type No.
X-AES0803	8.0	8.0	7.8	12.1	M 5-3P	K08
X-AES1003	10.0	10.0	9.8	16.1	M 7-3P	K10
X-AES1203	12.0	12.0	11.7	20.3	M 8-3P	K12
X-AES1603	16.0	16.0	15.6	25.7	M10-3P	K16
X-AES2003	20.0	20.0	19.5	31.1	M12-3P	K20
X-AES2503	25.0	25.0	24.4	39.3	M16-3P	K25
X-AES3203	32.0	32.0	31.2	48.0	M20-3P	K32



# X-AESR



高效能鋁用立銑刀頭  
End Mills

Corner Radius

型號 Type No.	D1 直徑 Diameter	L1 刃長 Flute Length	R 圓鼻角 Corner R	D2 頸徑 Neck Dia.	L2 全長 O.A.L.	M 螺牙 Thread Size	鎖固扳手 型號 Screw Driver Type No.
X-AESR0805	8.0	8.0	0.5	7.8	12.1	M 5-3P	K08
X-AESR0810	8.0	8.0	1.0	7.8	12.1	M 5-3P	K08
X-AESR1005	10.0	10.0	0.5	9.8	16.1	M 7-3P	K10
X-AESR1010	10.0	10.0	1.0	9.8	16.1	M 7-3P	K10
X-AESR1205	12.0	12.0	0.5	11.7	20.3	M 8-3P	K12
X-AESR1210	12.0	12.0	1.0	11.7	20.3	M 8-3P	K12
X-AESR1605	16.0	16.0	0.5	15.6	25.7	M10-3P	K16
X-AESR1610	16.0	16.0	1.0	15.6	25.7	M10-3P	K16
X-AESR1630	16.0	16.0	3.0	15.6	25.7	M10-3P	K16
X-AESR2005	20.0	20.0	0.5	19.5	31.1	M12-3P	K20
X-AESR2010	20.0	20.0	1.0	19.5	31.1	M12-3P	K20
X-AESR2030	20.0	20.0	3.0	19.5	31.1	M12-3P	K20
X-AESR2530	25.0	25.0	3.0	24.4	39.3	M16-3P	K25
X-AESR3230	32.0	32.0	3.0	31.2	48.0	M20-3P	K32
X-AESR3250	32.0	32.0	5.0	31.2	48.0	M20-3P	K32



# X-TS



螺旋刃倒角刀頭  
Spiral Flute Chamfering

型號 Type No.	D1 前端徑 Front Diameter	D2 柄徑 Diameter	L1 刃長 Flute Length	L2 全長 O.A.L.	配合刀桿 Recommended Carbide Shank	鎖固扳手 型號 Screw Driver Type No.
X-TS0803	1	8	3.5	10.1	X-WDEX080-	K08
X-TS1003	2	10	4.0	11.1	X-WDEX100-	K10
X-TS1203	2	12	5.0	13.8	X-WDEX120-	K12
X-TS1603	3	16	6.5	14.7	X-WDEX160-	K16
X-TS2003	5	20	7.5	18.1	X-WDEX200-	K20



# X-TD



直刃倒角刀頭  
Spiral Flute Chamfering

型號 Type No.	D1 前端徑 Front Diameter	D2 柄徑 Diameter	L1 刃長 Flute Length	L2 全長 O.A.L.	配合刀桿 Recommended Carbide Shank	鎖固扳手 型號 Screw Driver Type No.
X-TD0803	1	8	3.5	10.1	X-WDEX080-	K08
X-TD1003	2	10	4.0	11.1	X-WDEX100-	K10
X-TD1203	2	12	5.0	13.8	X-WDEX120-	K12
X-TD1603	3	16	6.5	14.7	X-WDEX160-	K16
X-TD2003	5	20	7.5	18.1	X-WDEX200-	K20



# X-TW



螺紋銑刀  
Thread Milling

型號 Type No.	螺距 Pitch	M 適用規格 Applicable Size		D1 直徑 Diameter	L 刃長 Flute Length	N 牙數 No. of Thread	配合刀桿 Recommended Carbide Shank	鎖固扳手 型號 Screw Driver Type No.
		粗牙 Coarse	細牙 Fine					
X-TW101210	1.0	≧M14	10.0	12.0	12	X-WDEX080-	K16	
X-TW121510	1.0	≧M15	12.0	15.0	15	X-WDEX100-	K16	
X-TW161810	1.0	≧M20	16.0	18.0	18	X-WDEX120-	K16	
X-TW202210	1.0	≧M24	20.0	22.0	22	X-WDEX160-	K20	
X-TW111215	1.5	≧M15	11.0	12.0	8	X-WDEX080-	K16	
X-TW131515	1.5	≧M17	13.0	15.0	10	X-WDEX100-	K16	
X-TW161815	1.5	≧M20	16.0	18.0	12	X-WDEX120-	K16	
X-TW202115	1.5	≧M24	20.0	21.0	14	X-WDEX160-	K20	
X-TW252415	1.5	≧M30	25.0	24.0	16	X-WDEX200-	K20	
X-TW111220	2.0	M16	11.0	12.0	6	X-WDEX080-	K16	
X-TW131420	2.0	≧M18	13.0	14.0	7	X-WDEX100-	K16	
X-TW161820	2.0	≧M22	16.0	18.0	9	X-WDEX120-	K16	
X-TW202220	2.0	≧M25	20.0	22.0	11	X-WDEX160-	K20	
X-TW252420	2.0	≧M30	25.0	24.0	12	X-WDEX200-	K20	
X-TW131525	2.5	M18-22	13.0	15.0	6	X-WDEX100- X-WHEX100-	K16	
X-TW161830	3.0	M24-27	≧M30	16.0	18.0	6	X-WDEX120- X-WHEX120-	K16
X-TW202130	3.0	≧M30	20.0	21.0	7	X-WDEX160-	K20	
X-TW252430	3.0	≧M33	25.0	24.0	8	X-WDEX200-	K20	
X-TW202135	3.5	M30-33	20.0	21.0	6	X-WDEX160- X-WHEX160-	K20	
X-TW252440	4.0	M36-39	≧M42	25.0	24.0	6	X-WDEX200-	K20



# K

變形刀頭鎖固扳手  
Screw Driver

型號 Type No.	D1 直徑 Diameter	標準立銑刀頭 (使用端) End Mills (Use End)	螺紋球刀頭 (使用端) Ball Nose End Mills (Use End)	螺紋銑刀頭 Thread Milling	扳手鎖固 扭力值 N.m
K08	8	XT-08	XTs-08	--	6
K10	10	XT-10	XTs-10	--	7
K12	12	XT-12	XTs-12	--	9
K16	16	XT-16	XTs-16	X-TW	10
K20	20	XT-20	XTs-20	X-TW	12
K25	25	XT-25	XTs-25	X-TW	15
K32	32	XT-32	XTs-32	X-TW	20

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

