

Inspire Creativity

 JANPO

Professional Cutting Tools

金屬切削刀具

Swiss Machine

Swiss Technology

Germany Material



XPA

Decimal Square End Mills 立銑刀(點數型-2刃)

SPECIFICATION



Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
XPA 01102	1.1	3.3	50	4
XPA 01202	1.2	3.6	50	4
XPA 01302	1.3	3.9	50	4
XPA 01402	1.4	4.2	50	4
XPA 01502	1.5	4.5	50	4
XPA 01602	1.6	4.8	50	4
XPA 01702	1.7	5.1	50	4
XPA 01802	1.8	5.4	50	4
XPA 01902	1.9	5.7	50	4
XPA 02102	2.1	6.3	50	4
XPA 02202	2.2	6.6	50	4
XPA 02302	2.3	6.9	50	4
XPA 02402	2.4	7.2	50	4
XPA 02502	2.5	7.5	50	4
XPA 02602	2.6	7.8	50	4
XPA 02702	2.7	8.1	50	4
XPA 02802	2.8	8.4	50	4
XPA 02902	2.9	8.7	50	4
XPA 03102	3.1	9.3	50	4
XPA 03202	3.2	9.6	50	4
XPA 03302	3.3	9.9	50	4
XPA 03402	3.4	10.2	50	4
XPA 03502	3.5	10.5	50	4
XPA 03602	3.6	10.8	50	4
XPA 03702	3.7	11.1	50	4
XPA 03902	3.9	11.7	50	4
XPA 04102	4.1	12.3	50	6
XPA 04202	4.2	12.6	50	6
XPA 04302	4.3	12.9	50	6
XPA 04402	4.4	13.2	50	6
XPA 04502	4.5	13.5	50	6
XPA 04602	4.6	13.8	50	6
XPA 04702	4.7	14.1	50	6
XPA 04802	4.8	14.4	50	6
XPA 04902	4.9	14.7	50	6
XPA 05102	5.1	15.3	50	6
XPA 05202	5.2	15.6	50	6
XPA 05302	5.3	15.9	50	6
XPA 05402	5.4	16.2	50	6
XPA 05502	5.5	16.5	50	6
XPA 05602	5.6	16.8	50	6
XPA 05702	5.7	17.1	50	6
XPA 05802	5.8	17.4	50	6
XPA 05902	5.9	17.7	50	6
XPA 06102	6.1	18.3	60	8
XPA 06202	6.2	18.6	60	8
XPA 06302	6.3	18.9	60	8
XPA 06402	6.4	19.2	60	8
XPA 06502	6.5	19.5	60	8
XPA 06602	6.6	19.8	60	8
XPA 06702	6.7	20.1	60	8
XPA 06802	6.8	20.4	60	8
XPA 06902	6.9	20.7	60	8
XPA 07102	7.1	21.3	60	8
XPA 07202	7.2	21.6	60	8
XPA 07302	7.3	21.9	60	8
XPA 07402	7.4	22.2	60	8
XPA 07502	7.5	22.5	60	8
XPA 07602	7.6	22.8	60	8
XPA 07702	7.7	23.1	60	8
XPA 07802	7.8	23.4	60	8
XPA 07902	7.9	23.7	60	8
XPA 08102	8.1	24.3	75	10
XPA 08202	8.2	24.6	75	10
XPA 08302	8.3	24.9	75	10
XPA 08402	8.4	25.2	75	10
XPA 08502	8.5	25.5	75	10
XPA 08602	8.6	25.8	75	10
XPA 08702	8.7	26.1	75	10
XPA 08802	8.8	26.4	75	10
XPA 08902	8.9	26.7	75	10
XPA 09102	9.1	27.3	75	10
XPA 09202	9.2	27.6	75	10
XPA 09302	9.3	27.9	75	10
XPA 09402	9.4	28.2	75	10
XPA 09502	9.5	28.5	75	10
XPA 09602	9.6	28.8	75	10



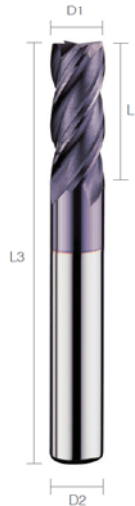
XPA

Decimal Square End Mills 立銑刀(點數型-2刃)

SPECIFICATION Mount Page 接上頁



Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
XPA 09702	9.7	29.1	75	10
XPA 09802	9.8	29.4	75	10
XPA 09902	9.9	29.7	75	10
XPA 10102	10.1	30.3	75	12
XPA 10202	10.2	30.6	75	12
XPA 10302	10.3	30.9	75	12
XPA 10402	10.4	31.2	75	12
XPA 10502	10.5	31.5	75	12
XPA 10602	10.6	31.8	75	12
XPA 10702	10.7	32.1	75	12
XPA 10802	10.8	32.4	75	12
XPA 10902	10.9	32.7	75	12
XPA 11102	11.1	33.3	75	12
XPA 11202	11.2	33.6	75	12
XPA 11302	11.3	33.9	75	12
XPA 11402	11.4	34.2	75	12
XPA 11502	11.5	34.5	75	12
XPA 11602	11.6	34.8	75	12
XPA 11702	11.7	35.1	75	12
XPA 11802	11.8	35.4	75	12
XPA 11902	11.9	35.7	75	12



XPA

Decimal Square End Mills 立銑刀(點數型-4刃)

SPECIFICATION



Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
XPA 03104	3.1	9.3	50	4
XPA 03204	3.2	9.6	50	4
XPA 03304	3.3	9.9	50	4
XPA 03404	3.4	10.2	50	4
XPA 03504	3.5	10.5	50	4
XPA 03604	3.6	10.8	50	4
XPA 03704	3.7	11.1	50	4
XPA 03804	3.8	11.4	50	4
XPA 03904	3.9	11.7	50	4
XPA 04104	4.1	12.3	50	6
XPA 04204	4.2	12.6	50	6
XPA 04304	4.3	12.9	50	6
XPA 04404	4.4	13.2	50	6
XPA 04504	4.5	13.5	50	6
XPA 04604	4.6	13.8	50	6
XPA 04704	4.7	14.1	50	6
XPA 04804	4.8	14.4	50	6
XPA 04904	4.9	14.7	50	6
XPA 05104	5.1	15.3	50	6
XPA 05204	5.2	15.6	50	6
XPA 05304	5.3	15.9	50	6
XPA 05404	5.4	16.2	50	6
XPA 05504	5.5	16.5	50	6
XPA 05604	5.6	16.8	50	6
XPA 05704	5.7	17.1	50	6
XPA 05804	5.8	17.4	50	6
XPA 05904	5.9	17.7	50	6
XPA 06104	6.1	18.3	60	8
XPA 06204	6.2	18.6	60	8
XPA 06304	6.3	18.9	60	8
XPA 06404	6.4	19.2	60	8
XPA 06504	6.5	19.5	60	8
XPA 06604	6.6	19.8	60	8
XPA 06704	6.7	20.1	60	8
XPA 06804	6.8	20.4	60	8
XPA 06904	6.9	20.7	60	8
XPA 07104	7.1	21.3	60	8
XPA 07204	7.2	21.6	60	8
XPA 07304	7.3	21.9	60	8
XPA 07404	7.4	22.2	60	8
XPA 07504	7.5	22.5	60	8
XPA 07604	7.6	22.8	60	8
XPA 07704	7.7	23.1	60	8
XPA 07804	7.8	23.4	60	8
XPA 07904	7.9	23.7	60	8
XPA 08104	8.1	24.3	75	10
XPA 08204	8.2	24.6	75	10

XPA

Decimal Square End Mills
立銑刀(點數型-4刃)

SPECIFICATION
Mount Page 接上頁



Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
XPA 08304	8.3	24.9	75	10
XPA 08404	8.4	25.2	75	10
XPA 08504	8.5	25.5	75	10
XPA 08604	8.6	25.8	75	10
XPA 08704	8.7	26.1	75	10
XPA 08804	8.8	26.4	75	10
XPA 08904	8.9	26.7	75	10
XPA 09104	9.1	27.3	75	10
XPA 09204	9.2	27.6	75	10
XPA 09304	9.3	27.9	75	10
XPA 09404	9.4	28.2	75	10
XPA 09504	9.5	28.5	75	10
XPA 09604	9.6	28.8	75	10
XPA 09704	9.7	29.1	75	10
XPA 09804	9.8	29.4	75	10
XPA 09904	9.9	29.7	75	10
XPA 10104	10.1	30.3	75	12
XPA 10404	10.2	30.6	75	12
XPA 10304	10.3	30.9	75	12
XPA 10404	10.4	31.2	75	12
XPA 10504	10.5	31.5	75	12
XPA 10604	10.6	31.8	75	12
XPA 10704	10.7	32.1	75	12
XPA 10804	10.8	32.4	75	12
XPA 10904	10.9	32.7	75	12

XVL

HIGH PERFORMANCE VARIABLE HELIX CARBIDE END MILLS SPECIALIZED FOR STAINLESS STEEL
不等螺旋不銹鋼專用銑刀

SPECIFICATION



Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
XVL 0204	2	5	50	6
XVL 0304	3	7.5	50	6
XVL 0404	4	10	50	6
XVL 0504	5	13	50	6
XVL 0604	6	15	50	6
XVL 0804	8	20	60	8
XVL 1004	10	30	75	10
XVL 1204	12	32	75	12

XVE

HIGH PERFORMANCE UNEQUAL DIVISION CARBIDE END MILL
不等分割銑刀

SPECIFICATION

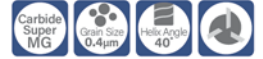


Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
XVE 0604	6	18	50	6
XVE 0804	8	24	60	8
XVE 1004	10	30	75	10
XVE 1204	12	36	75	12
XVE 1604	16	48	100	16
XVE 2004	20	50	100	20

XAU

SOLID CARBIDE END MILLS SPECIALIZED FOR ALUMINUM WITHOUT LATERAL FLAKE
無橫向拉紋鋁用銑刀

SPECIFICATION



Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
XAU 0203	2	6	50	6
XAU 0303	3	9	50	6
XAU 0403	4	12	50	6
XAU 0503	5	15	50	6
XAU 0603	6	18	50	6
XAU 0803	8	24	60	8
XAU 1003	10	30	75	10
XAU 1203	12	36	75	12
XAU 1603	16	50	100	16

XVLA

HIGH PERFORMANCE VARIABLE HELIX CARBIDE END MILLS SPECIALIZED FOR STAINLESS STEEL
不等螺旋不銹鋼專用銑刀

SPECIFICATION



Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
XVLA 0204	2	6	50	6
XVLA 0304	3	9	50	6
XVLA 0404	4	12	50	6
XVLA 0504	5	15	50	6
XVLA 0604	6	18	50	6
XVLA 0804	8	24	60	8
XVLA 1004	10	30	75	10
XVLA 1204	12	36	75	12

XAH

THREE-EDGED SOLID CARBIDE END MILLS SPECIALIZED FOR ALUMINUM WITH SPECIAL THREE RELIEF ANGLES
三離隙鋁用銑刀

SPECIFICATION



Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
XAH 0203	2	6	50	6
XAH 0303	3	9	50	6
XAH 0403	4	12	50	6
XAH 0503	5	15	50	6
XAH 0603	6	18	50	6
XAH 0803	8	24	60	8
XAH 1003	10	30	75	10
XAH 1203	12	36	75	12
XAH 1603	16	50	100	16

XVH

HIGH PERFORMANCE UNEQUAL HELIX & UNEQUAL DIVISION CARBIDE END MILL
不等螺旋不等分割銑刀

SPECIFICATION



Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
XVH 0404	4	12	50	6
XVH 0604	6	18	50	6
XVH 0804	8	24	60	8
XVH 1004	10	30	75	10
XVH 1204	12	36	75	12
XVH 1604	16	48	100	16
XVH 2004	20	50	100	20



HEA

SPECIFICATION

Solid Carbide External Corner Rounding Cutters-Incline Flute
鎢鋼外R角銑刀-斜刃



Type No. 型號	R 角 (R)	柄斜角 θ°	First Diameter d1	Second Diameter d2	L.O.C. 刃長 L1	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2		
HEA0050D04	0.25R	5°	3.1	4	0.45	2	50	4		
HEA0100D04	0.5R	5°	2.6	4	0.7	2	50			
HEA0150D04	0.75R	5°	2.1	4	0.95	2	50			
HEA0200D04	1R	5°	1.6	4	1.2	2	50			
HEA0250D04	1.25R	5°	1.1	4	1.45	2	50			
HEA0300D04	1.5R	5°	0.7	4	1.7	2	50			
HEA0050D06	0.25R	5°	5.1	6	0.45	2	50		6	
HEA0100D06	0.5R	5°	4.6	6	0.7	2	50			
HEA0150D06	0.75R	5°	4.1	6	0.95	2	50			
HEA0200D06	1R	5°	3.6	6	1.2	2	50			
HEA0250D06	1.25R	5°	3.1	6	1.42	2	50			
HEA0300D06	1.5R	5°	2.6	6	1.7	2	50			
HEA0350D06	1.75R	5°	2.1	6	1.95	2	50			
HEA0400D06	2R	5°	1.6	6	2.2	2	50			
HEA0500D06	2.5R	5°	0.7	6	2.7	2	50			
HEA0100D08	0.5R	5°	6.6	8	0.7	2	60	8		
HEA0150D08	0.75R	5°	6.1	8	0.95	2	60			
HEA0200D08	1R	5°	5.6	8	1.2	2	60			
HEA0250D08	1.25R	5°	5.1	8	1.45	2	60			
HEA0300D08	1.5R	5°	4.6	8	1.7	2	60			
HEA0350D08	1.75R	5°	4.1	8	1.95	2	60			
HEA0400D08	2R	5°	3.6	8	2.2	2	60			
HEA0500D08	2.5R	5°	2.6	8	2.7	2	60			
HEA0550D08	2.75R	5°	2.1	8	2.95	2	60			
HEA0600D08	3R	5°	1.6	8	3.2	2	60			
HEA0400D10	2R	5°	5.6	10	2.2	2	60	10		
HEA0600D10	3R	5°	3.6	10	3.2	2	60			
HEA0800D10	4R	5°	1.6	10	4.2	2	60			
HEA0400D12	2R	5°	7.6	12	2.2	2	60		12	
HEA0600D12	3R	5°	5.6	12	3.2	2	60			
HEA0800D12	4R	5°	3.6	12	4.2	2	60			
HEA1000D12	5R	5°	1.6	12	5.2	2	60			
HEA1000D16	5R	5°	5.6	16	5.2	2	75			16
HEA1200D16	6R	5°	3.6	16	6.2	2	75			



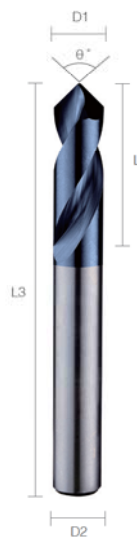
HTA

SPECIFICATION

Solid Carbide T-slot cutter - Straight Flutes
鎢鋼T型銑刀-直刃



Type No. 型號	Dia. 直徑 D1	L.O.C. 刃長 L1	Neck Diameter N	Neck Length NL	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
HTA0400H05	4	0.5	2.5	3.5	4	50	4
HTA0400H06	4	0.6	2.5	3.5	4	50	4
HTA0400H07	4	0.7	2.5	3.5	4	50	4
HTA0400H08	4	0.8	2.5	3.5	4	50	4
HTA0400H09	4	0.9	2.5	3.5	4	50	4
HTA0400H10	4	1	2.5	3.5	4	50	4
HTA0400H15	4	1.5	2.5	3.5	4	50	4
HTA0400H20	4	2	2.5	3.5	4	50	4
HTA0500H05	5	0.5	2.5	4	4	50	6
HTA0500H06	5	0.6	2.5	4	4	50	6
HTA0500H07	5	0.7	2.5	4	4	50	6
HTA0500H08	5	0.8	2.5	4	4	50	6
HTA0500H09	5	0.9	2.5	4	4	50	6
HTA0500H10	5	1	2.5	4	4	50	6
HTA0500H15	5	1.5	2.5	4	4	50	6
HTA0500H20	5	2	2.5	4	4	50	6
HTA0600H05	6	0.5	3	4	6	50	6
HTA0600H06	6	0.6	3	4	6	50	6
HTA0600H07	6	0.7	3	4	6	50	6
HTA0600H08	6	0.8	3	4	6	50	6
HTA0600H09	6	0.9	3	4	6	50	6
HTA0600H10	6	1	3	4	6	50	6
HTA0600H15	6	1.5	3	4	6	50	6
HTA0600H20	6	2	3	4	6	50	6
HTA0800H10	8	1	4	4	6	60	8
HTA0800H15	8	1.5	4	4	6	60	8
HTA0800H20	8	2	4	4	6	60	8
HTA1000H10	10	1	5	6	6	75	10
HTA1000H15	10	1.5	5	6	6	75	10
HTA1000H20	10	2	5	6	6	75	10
HTA1000H30	10	3	5	6	6	75	10
HTA1200H10	12	1	6	7	6	75	12
HTA1200H15	12	1.5	6	7	6	75	12
HTA1200H20	12	2	6	7	6	75	12
HTA1200H30	12	3	6	7	6	75	12



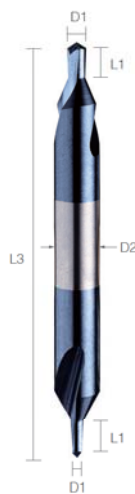
HHA&HIA&HJA

Solid Carbide Flat-Type Chamfer Cutters
鎢鋼扁型倒角銑刀

SPECIFICATION



Type No. 型號	Tip Angle 角度 θ°	Dia. 直徑 D1	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
HHA0300D03	60°	3	2	50	3
HHA0400D04		4	2	50	4
HHA0600D06		6	2	50	6
HHA0800D08		8	2	60	8
HHA1000D10		10	2	75	10
HHA1200D12		12	2	75	12
HIA0300D03	90°	3	2	50	3
HIA0400D04		4	2	50	4
HIA0600D06		6	2	50	6
HIA0800D08		8	2	60	8
HIA1000D10		10	2	75	10
HIA1200D12		12	2	75	12
HJA0300D03	120°	3	2	50	3
HJA0400D04		4	2	50	4
HJA0600D06		6	2	50	6
HJA0800D08		8	2	60	8
HJA1000D10		10	2	75	10
HJA1200D12		12	2	75	12



HCA&HGA

Solid Carbide Center Drills
鎢鋼中心鑽

SPECIFICATION



Type No. 型號	Tip Angle 角度 θ°	Dia. 直徑 D1	L.O.C. 刃長 L1	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2	
HCA0100D03	60°	1	1.6	2	50	3	
HCA0125D03		1.25	1.9	2	50	3	
HCA0160D04		1.6	2.4	2	50	4	
HCA0200D05		2	2.9	2	50	5	
HCA0250D06		2.5	3.6	2	50	6	
HCA0300D08		3	3.9	2	60	8	
HCA0315D08		3.15	3.9	2	60	8	
HCA0400D10		4	5	2	75	10	
HCA0500D12		5	6.3	2	75	12	
HGA0100D03		90°	1	1.6	2	50	3
HGA0125D03			1.25	1.9	2	50	3
HGA0160D04			1.6	2.4	2	50	4
HGA0200D05	2		2.9	2	50	5	
HGA0250D06	2.5		3.6	2	50	6	
HGA0300D08	3		3.9	2	60	8	
HGA0315D08	3.15		3.9	2	60	8	
HGA0400D10	4		5	2	75	10	
HGA0500D12	5		6.3	2	75	12	

HSA&HWA

Solid Carbide Spot Drills - Standard
鎢鋼定點鑽 - 標準型
Eccentric Cutting Edge Design
採偏心刃口設計

SPECIFICATION

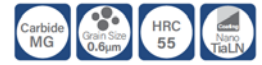


Type No. 型號	Tip Angle 角度 θ°	Dia. 直徑 D1	LOC. 刃長 L1	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
HSA0300D03	90°	3	10	2	50	3
HSA0400D04		4	12	2	50	4
HSA0500D05		5	15	2	50	5
HSA0600D06		6	20	2	50	6
HSA0800D08		8	25	2	60	8
HSA1000D10		10	25	2	75	10
HSA1200D12		12	30	2	75	12
HSA1600D16		16	35	2	100	16
HWA0300D03	120°	3	10	2	50	3
HWA0400D04		4	12	2	50	4
HWA0500D05		5	15	2	50	5
HWA0600D06		6	20	2	50	6
HWA0800D08		8	25	2	60	8
HWA1000D10		10	25	2	75	10
HWA1200D12		12	30	2	75	12
HWA1600D16		16	35	2	100	16

HYA&HZA

Solid Carbide Spot Drills - Long Shank
鎢鋼定點鑽 - 長柄型
Eccentric Cutting Edge Design
採偏心刃口設計

SPECIFICATION



Type No. 型號	Tip Angle 角度 θ°	Dia. 直徑 D1	LOC. 刃長 L1	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
HYA0300D03	90°	3	10	2	75	3
HYA0400D04		4	12	2	75	4
HYA0500D05		5	15	2	75	5
HYA0600D06		6	20	2	100	6
HYA0800D08		8	25	2	100	8
HYA1000D10		10	25	2	100	10
HYA1200D12		12	30	2	100	12
HYA1600D16		16	35	2	150	16
HZA0300D03	120°	3	10	2	75	3
HZA0400D04		4	12	2	75	4
HZA0500D05		5	15	2	75	5
HZA0600D06		6	20	2	100	6
HZA0800D08		8	25	2	100	8
HZA1000D10		10	25	2	100	10
HZA1200D12		12	30	2	100	12
HZA1600D16		16	35	2	150	16

HAA&HBA

Solid Carbide Equal Angle Dovetail Cutters
鎢鋼等角鳩尾槽銑刀

SPECIFICATION



Type No. 型號	Angle 角度 θ°	Dia. 直徑 D1	LOC. 刃長 L1	Neck Diameter 頸徑 N	Neck Length 頸長 NL	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
HAA0400D04	60°	4	1.2	1.8	3	4	50	4
HAA0600D06		6	1.8	2.7	4	4	60	6
HAA0800D08		8	2.4	3.6	5	6	60	8
HAA1000D10		10	3.1	4.5	6	6	75	10
HAA1200D12	90°	12	3.7	5.4	7	6	75	12
HBA0400D04		4	1.8	2	4	4	50	4
HBA0600D06		6	2.8	3	4	4	60	6
HBA0800D08		8	3.8	4	5	6	60	8
HBA1000D10		10	4.8	5	6	6	75	10
HBA1200D12		12	5.8	6	7	6	75	12

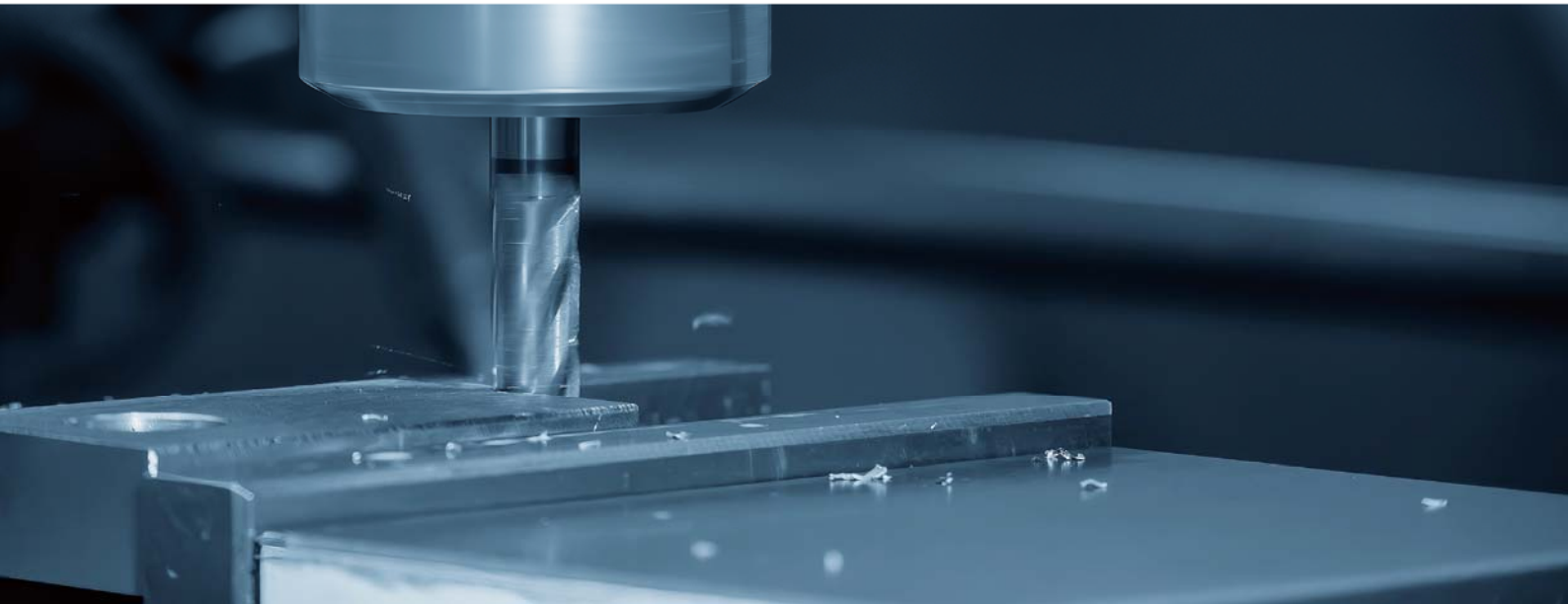
HDA&HFA

Solid Carbide Dovetail Cutters
鎢鋼鳩尾槽銑刀

SPECIFICATION



Type No. 型號	Angle 角度 θ°	Dia. 直徑 D1	LOC. 刃長 L1	Neck Diameter 頸徑 N	Neck Length 頸長 NL	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
HDA0300D06	45°	3	0.8	1.4	3	4	60	6
HDA0400D06		4	1	2	3	4	50/60	4/6
HDA0500D06		5	1.2	2.5	4	4	60	6
HDA0600D06		6	1.4	3	4	4	60	6
HDA0800D08		8	1.9	4	5	4/6	60	8
HDA1000D10		10	2.4	5	6	4/6	75	10
HDA1200D12		12	2.9	6	7	4/6	75	12
HFA0300D06		30°	3	1.2	1.5	3	4	60
HFA0400D06	4		1.6	2	3.5	4	60	6
HFA0500D06	5		2.2	2.3	4	4	60	6
HFA0600D06	6		2.7	2.7	4	4	60	6
HFA0800D08	8		3.7	3.6	5	4/6	60	8
HFA1000D10	10		4.6	4.5	6	4/6	75	10
HFA1200D12	12		5.6	5.4	7	4/6	75	12





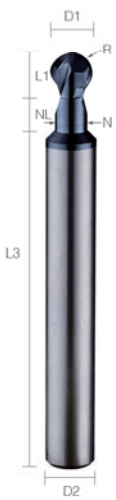
HUA

SPECIFICATION

Solid Carbide Full-Radius Ball Nose End Mills-Standard
鎢鋼全球球頭型銑刀-標準型



Type No. 型號	球半徑 (R)	Dia. 直徑 D1	LOC 刃長 L1	Neck Diameter 頸徑 N	Neck Length 頸長 NL	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
HUA0200D04	1R	2	1.63	1.53	3	2	50	4
HUA0300D04	1.5R	3	2.46	2.3	3	2	50	4
HUA0400D04	2R	4	3.3	3.06	5	2	50	4
HUA0500D06	2.5R	5	4.1	3.83	5	2	50	6
HUA0600D06	3R	6	4.93	4.6	5	2	50	6
HUA0800D08	4R	8	6.58	6.11	6	2	60	8
HUA1000D10	5R	10	8.22	7.65	8	2	75	10
HUA1200D12	6R	12	9.86	9.2	10	2	75	12
HUA1600D16	8R	16	13.37	11.86	10	2	100	16



HVA

SPECIFICATION

Solid Carbide Full-Radius Ball Nose End Mills-Long Shank
鎢鋼全球球頭型銑刀-長柄型



Type No. 型號	球半徑 (R)	Dia. 直徑 D1	LOC 刃長 L1	Neck Diameter 頸徑 N	Neck Length 頸長 NL	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
HVA0200D04	1R	2	1.63	1.53	3	2	75	4
HVA0300D04	1.5R	3	2.46	2.3	3	2	75	4
HVA0400D04	2R	4	3.3	3.06	5	2	75	4
HVA0500D06	2.5R	5	4.1	3.83	5	2	75	6
HVA0600D06	3R	6	4.93	4.6	5	2	75	6
HVA0800D08	4R	8	6.58	6.11	6	2	100	8
HVA1000D10	5R	10	8.22	7.65	8	2	100	10
HVA1200D12	6R	12	9.86	9.2	10	2	100	12



HPA

SPECIFICATION

Carbide Punch-Hexagon
鎢鋼沖頭-六角型



Type No. 型號	Drive 規格	Dia. 直徑 D1	LOC 刃長 L1	OAL 全長 L3	Shank Dia. 柄徑 D2
HPA1538D08	T1.5	1.538	2.5	28	8
HPA2038D08	T2	2.038	3.0	28	8
HPA2553D08	T2.5	2.553	4.0	28	8
HPA3071D08	T3	3.071	4.5	28	8
HPA4071D08	T4	4.071	6.0	28	8
HPA5086D08	T5	5.086	6.0	28	8
HPA6086D08	T6	6.086	6.0	28	8



HKA

SPECIFICATION

Solid Carbide Convex Cutters
鎢鋼外圓槽銑刀



Type No. 型號	R角 (R)	Dia. 直徑 D1	LOC 刃長 L1	Neck Diameter 頸徑 N	Neck Length 頸長 NL	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
HKA0060D04	0.3R	4	0.6	2	3.5	4	50	6
HKA0100D04	0.5R	4	1	2	3.5	4	50	6
HKA0200D04	1R	4	2	2	3.5	4	50	6
HKA0060D05	0.3R	5	0.6	2.2	3.5	4	50	6
HKA0100D05	0.5R	5	1	2.2	3.5	4	50	6
HKA0200D05	1R	5	2	2.2	3.5	4	50	6
HKA0060D06	0.3R	6	0.6	2.7	4	4	50	6
HKA0100D06	0.5R	6	1	2.7	4	4	50	6
HKA0200D06	1R	6	2	2.7	4	4	50	6
HKA0060D08	0.3R	8	0.6	3.6	5	6	60	8
HKA0100D08	0.5R	8	1	3.6	5	6	60	8
HKA0200D08	1R	8	2	3.6	5	6	60	8
HKA0060D10	0.3R	10	0.6	4.5	6	6	75	10
HKA0100D10	0.5R	10	1	4.5	6	6	75	10
HKA0200D10	1R	10	2	4.5	6	6	75	10
HKA0300D10	1.5R	10	3	4.5	6	6	75	10
HKA0400D10	2R	10	4	4.5	6	6	75	10
HKA0060D12	0.3R	12	0.6	5.5	6	6	75	12
HKA0100D12	0.5R	12	1	5.5	6	6	75	12
HKA0200D12	1R	12	2	5.5	6	6	75	12
HKA0300D12	1.5R	12	3	5.5	6	6	75	12
HKA0400D12	2R	12	4	5.5	6	6	75	12



HKA

SPECIFICATION

Solid Carbide Convex Cutters
鎢鋼外圓槽銑刀

Outer diameter above 16mm,
 designed for welding
 外徑16mm以上, 為焊接設計



Type No. 型號	R角 (R)	Dia. 直徑 D1	LOC 刃長 L1	Neck Diameter 頸徑 N	Neck Length 頸長 NL	No. of Flutes 刃數 Z	O.A.L. 全長 L3	Shank Dia. 柄徑 D2
HKA0100D16	0.5R	16	1	8	10	10	100	12
HKA0200D16	1R	16	2	8	10	10	100	12
HKA0300D16	1.5R	16	3	8	10	10	100	12
HKA0400D16	2R	16	4	8	10	10	100	12
HKA0600D16	3R	16	6	8	10	10	100	12
HKA0100D20	0.5R	20	1	10	14	12	100	12
HKA0200D20	1R	20	2	10	14	12	100	12
HKA0300D20	1.5R	20	3	10	14	12	100	12
HKA0400D20	2R	20	4	10	14	12	100	12
HKA0600D20	3R	20	6	10	14	12	100	12
HKA0100D25	0.5R	25	1	12	16	16	100	16
HKA0200D25	1R	25	2	12	16	16	100	16
HKA0300D25	1.5R	25	3	12	16	16	100	16
HKA0400D25	2R	25	4	12	16	16	100	16
HKA0600D25	3R	25	6	12	16	16	100	16
HKA0100D30	0.5R	30	1	15	18	16	100	16
HKA0200D30	1R	30	2	15	18	16	100	16
HKA0300D30	1.5R	30	3	15	18	16	100	16
HKA0400D30	2R	30	4	15	18	16	100	16
HKA0600D30	3R	30	6	15	18	16	100	16