

關於銘九 / About Us

全球視野、台灣製造

Think Globally, ACT Locally

銘九股份有限公司創立於1999年台灣台中市
其品牌ACT提供專業的製刀技術和完善的售後服務
我們致力於研發與製造高品質
高穩定的產品和彈性之生產方式
提供客戶最完善並且即時的服務
更能依照您特殊需求，製造客製化銑刀
並依照不同的加工材料，可以提供多樣的產品
ACT的高品質，以德國棒材做為點
與歐洲技術合作做為線，進口機台做為面
以達到我們追求最高品質產品的目標
選擇ACT是您最佳的選擇

ACT is your best partner, what you care is what we care !

ACT was founded by engineers; they knew that carbide end mill plays an important role in production. Stable quality, great service and open communication with customers are the most important targets for us.

Quality, the root of being perfect

With the faiths of making perfect tool, ACT choose German raw material and do QC on every single products.

We listen, we learn and we make it

To have great service and open communication with customers, we always listen to your needs. Thus, we accept wide ranges of customized products, and form tools.

New products & Innovative power

With the rapid improvement on new technology, we accept custom made items. And we provide several coatings and tools for your choice.



分類表/APPLICATION

產品類別 Product	系列別 Series	使用分類 Application	刀型 Item	頁數 Page
銑刀 Carbide End Mill	一般使用 (HRC60 以下) General Use, under 60 HRC	一般非鐵金屬 non-Ferrous	AES	8-13
		鏡面、拋光 Polishing	V-AES	14
		平刀 Square	KES	18-24
		球刀 Ball Nose	KBS	25-29
		圓鼻刀 Corner Radius	NB	30-37
		不鏽鋼 SUS steel	SU-KES	37
	極速刀具 (不等分割) Incorporate Tool	側銑專用 Side Milling	KDE	40-42
		槽銑 Slot Milling	R-KES	43
	超高硬度 (HRC 60以上) Supreme Use, Above 60 HRC	平刀 Square	S-KES	46-48
		球刀 Ball Nose	S-NB	48
		圓鼻刀 Corner Radius	S-KBS	48-51
	特殊材料 Special Application	加工碳纖維 航鈦、牙醫 Graphite Fiber, Aerospace, Dental	PCD/ CBN TOOL	*
			G-	*
鑽頭 Carbide Drill	非鐵金屬 Non-Ferrous Series	一般型 General	2DRS	61
	一般使用 (HRC 55以下) General Use Under 55 HRC	加強柄 Strong Shank	2DRSD	65
		銑刀柄 End Mill Size Shank	2DRSE	67
	電路板、小孔徑鑽頭 PCB、Micro Size	小徑鑽頭 Micro Size Drill	2SDR	*
	中心鑽 Center Drill	雙頭 Two Side Drill	DMS-B	58
		中心定位 Central Spot and Chamfer	CTC	59
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其他 Other	機械絞刀 Reamer	機械絞孔 Reamer	RSS	70
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* Produce On Request * 需詢問之產品

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鋁用系列/Aluminum Cutting Series : Square End Mill & Ball Nose

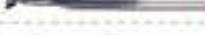
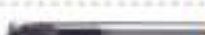
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	4KES	4刃平刀(45°)/4 Flute Square End Mill (45°)	21
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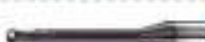
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高硬度&超高速系列/Supreme Series

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	SAWC	全鋸齒鋸片/Carbide Saw	60
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	SSR	機械絞刀/Carbide Reamer	70

材質/ Solid carbide

棒材種類 TYPE OF MATERIAL	其他 WC (%)	鈷含量 CO (%)	粒度 GRAIN SIZE	抗折力 T.R.S[N/mm ²]	密度 DENSITY[G/cm ³]	硬度 HARDNESS HRA
 MG 12	88	12	0.4	3800	14	92.3
 MG 9	91	9	0.2	4000	14.3	94

圖解/ Diagrammatic explanation

螺旋角度 HELIX ANGLE	            												圓鼻刀R角 CORNER RADIUS R	
深溝專用 BEST FOR LONG NECK MACHINING	  		粒度 GRAIN SIZE	 		刃數 FLUTE	   							

※深溝專用：S= Square end mill (平刀) B= Ball Nose (球刀) C= Corner Radius (圓鼻刀)

硬度/ Hardness

加工材質硬度 HRC	62†	58~62	52~58	45~52	40~45	30~40
冷卻方式 Coolant	Air Blow	Oil mist	Oil	Oil	Water Soluble	Water Soluble
加工材料 Material	SKH(H) SKD11	HPM38(H) SKD61	NAK80 NAK66	SCM440 SUS304	S45C S50C	Copper Alumium
建議塗層 Recommend coating	N X	X	E	F	F	C DI

鍍層/ Coating

Abbr.	N	X	E	F	C	DI	GA
Coating Name	ICE	TiSiN	AlTiN	TiAlN	CrN	DLC	Graphite
Hardness	4500	4700	3800	3000	2000	1500	8000
Thickness	4	4	4	4	5	0.5-1	5
Friction coefficient	0.45	0.45	0.6	0.4	0.3	0.15	0.03-0.1
Max Usage temperature	1200	900	900	800	700	1000	600
Application	•Super high hardness •Super oxidation resistance	•Extreme high hardness •Super oxidation resistance	•High Hardness	•Low Friction	•Low Friction •Low Affinity		
Recommendation usage	Air coolant	Oil/Mist coolant	Oil/Mist/ Air coolant	Oil/Mist coolant	Oil/Mist coolant	Oil/Mist coolant	Air

指定鍍層/ Order specified coating

 Non Request  Request Coating	- Order with the original item number the coating will be E coating. For a specific coating, please follow the instruction as follows. - Find a coating which is suitable for your working condition on the above column "Coating" - Check the name of coating - If you'd like to order the series of Aluminum/General/Miracle please see below, if no, please skip to the 4th step. - Original Item No. (E coating) : 2KES-D020-L050 - Specific coating. Put the Abbr. before the original Item No. For example to order ICE coating (N) the item No. becomes N2KES-D020-L050 - If you'd like to order Supreme Series do as follows. - Original Item No. (E coating) : S2KES-D020-L050 - Specific coating. Put the Abbr. after the S. For example to order ICE coating (N), the item no becomes SN2KES-D020-L050 - 指定鍍層編碼方式 - 若無特別指定鍍層，皆以E鍍層出貨 - 若需更換鍍層，請依照以下方式訂購 - 鋸刀/一般/極速系列 不指定：2KES-D020-L050 為E鍍層 指定鍍層：請在編號前加上鍍層代碼，例如：欲訂購ICE鍍層，其代號為N，因此訂購時，請將鍍層名稱加在編號最前面 N2KES-D020-L050 - 高硬度及超高硬度系列 不指定：S2KES-D020-L050 為E鍍層 指定鍍層：在編號的第二位加上鍍層代碼，例如：欲訂購ICE鍍層，其代號為N，因此訂購時，請將鍍層名稱加在編號最前面 SN2KES-D020-L050
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Aluminum Series

鋁銅用系列

- 鋁銅用系列銑刀，是您切削軟件時不可或缺的工具。

經由我們特殊的設計和高螺旋角，在高速加工上，讓您的工件擁有完美的表面，再加上良好的排屑效果，使加工變得更有效率。另外，多種塗層可因應您的需求供您選擇。

Aluminum Series is your ideal choice to work in the soft material.

This series provides you a wide ranges of machining, such as Roughing, pocketing, finishing, slotting, side milling, helical interpolation and ramping.

It will bring you:

- High performance with optimum finishing.
- Dedicated micro geometry.
- Maximum tool life and material removal rates in all conditions.





2AES 2刃鋁用系列

2 Flute Square End Mill

D3-D6: 0 ~ -0.02
D75-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 S.D. (d)
D030-L050	3	9	50	6
D040-L050	4	12	50	6
D050-L050	5	15	50	6
D060-L050	6	18	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	30	75	12



Unit:mm



2AES 2刃鋁用系列 (平磨・逆銑專用)

2 Flute Square End Mill

D3-D6: 0 ~ -0.02
D75-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 S.D. (d)
D030-L050P	3	9	50	6
D040-L050P	4	12	50	6
D050-L050P	5	15	50	6
D060-L050P	6	18	50	6
D080-L060P	8	20	60	8
D100-L075P	10	25	75	10
D120-L075P	12	30	75	12



Unit:mm



2AEL 2刃加長鋁用平刀

2 Flute Long Flute End Mill

D3-D6: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 S.D. (d)
D030-L060	3	12	60	6
D040-L060	4	16	60	6
D050-L060	5	20	60	6
D060-L075	6	24	75	6
D080-L075	8	32	75	8
D100-L100	10	40	100	10
D120-L100	12	50	100	12



Unit:mm



2AEL 2刃加長鋁用平刀

2 Flute Long Flute End Mill

D3-D6: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 S.D. (d)
D030-L060P	3	12	60	6
D040-L060P	4	16	60	6
D050-L060P	5	20	60	6
D060-L075P	6	24	75	6
D080-L075P	8	32	75	8
D100-L100P	10	40	100	10
D120-L100P	12	50	100	12



Unit:mm



A2NUB 2刃鋁用深溝圓鼻刀

2 Flute Corner Radius End Mill For Deep Machining

產品編號 Item no.	刃徑 ^① DIA. (D)	R角 ^② Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 ^③ S.D. (d)
R001-L050-D1-U6	1	0.1	1	6	50	4
R001-L050-D1-U8	1	0.1	1	8	50	4
R001-L050-D1-U10	1	0.1	1	10	50	4
R0015-L050-D1.5-U8	1.5	0.15	1.5	8	50	4
R0015-L050-D1.5-U12	1.5	0.15	1.5	12	50	4
R0015-L050-D1.5-U16	1.5	0.15	1.5	16	50	4
R002-L050-D2-U10	2	0.2	2	10	50	4
R002-L050-D2-U14	2	0.2	2	14	50	4
R002-L050-D2-U20	2	0.2	2	20	50	4
R003-L060-D3-U12	3	0.3	3	12	60	6
R003-L060-D3-U16	3	0.3	3	16	60	6
R003-L060-D3-U20	3	0.3	3	20	60	6
R005-L060-D4-U12	4	0.5	4	12	60	6
R005-L060-D4-U16	4	0.5	4	16	60	6
R005-L060-D4-U20	4	0.5	4	20	60	6



Unit:mm





3ANB

3刀鋁用圓鼻刀

3 Flute Corner Radius End Mill

D3-D6: ± 0.02
D10-D12: ± 0.03

產品編號 Item no.	刃徑 $^{+0.02}_{-0.02}$ DIA. (D)	R角 $^{+0.01}_{-0.01}$ Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 $^{+0.005}_{-0.005}$ S.D. (d)
R005-L075-D3	3	0.5	8	75	6
R005-L075-D4	4	0.5	10	75	6
R010-L075-D4	4	1.0	10	75	6
R005-L100-D5	5	0.5	13	100	6
R010-L100-D5	5	1.0	13	100	6
R005-L100-D6	6	0.5	15	100	6
R010-L100-D6	6	1.0	15	100	6
R005-L100-D8	8	0.5	20	100	8
R010-L100-D8	8	1.0	20	100	8
R005-L100-D10	10	0.5	25	100	10
R010-L100-D10	10	1.0	25	100	10
R020-L075-D12	12	2.0	30	75	12



Unit:mm

We always offer you best
solution on your working material.
Choose us means choose to be satisfied.





3AES 3刃鋁用平刀

3 Flute Square End Mill

D3-D6: 0 ~ -0.02
D10-D16: 0 ~ -0.03

產品編號 Item no.	刃徑 _{6~0.03} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ₁₆ S.D. (d)
D030-L050	3	9	50	6
D040-L050	4	12	50	6
D050-L050	5	15	50	6
D060-L050	6	18	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	30	75	12
D160-L100	16	40	100	16



Unit:mm



3AES 3刃鋁用平刀 (平細隙逆鐵專用)

3 Flute Square End Mill

D6-D8: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 _{6~0.03} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ₁₆ S.D. (d)
D060-L050P	6	18	50	6
D080-L060P	8	20	60	8
D100-L075P	10	25	75	10
D120-L075P	12	30	75	12
D160-L100P	16	60	100	16



Unit:mm



3AEL

3刃長刃鋁用平刀 (半離隙逆鑽專用)
3 Flute Long Flute End Mill

D5-D8: 0 ~ -0.02
D9-D16: 0 ~ -0.03

產品編號 Item no.	刃徑 ^{0/-0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ^{H8} S.D. (d)
D060-L075P	6	24	75	6
D080-L075P	8	32	75	8
D080-L100P	8	32	100	8
D090-L100P	9	35	100	10
D100-L100P	10	40	100	10
D120-L100P	12	50	100	12
D160-L150P	16	65	150	16



Unit:mm



2ABS

2刃鋁用球刀
2 Flute Ball Nose

D5-D6: 0 ~ -0.02
D15-D12: 0 ~ -0.03

產品編號 Item no.	R角 ^{±0.01} Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ^{H8} S.D. (d)
R005-L050	0.5	2	50	4
R0075-L050	0.75	3	50	4
R010-L050	1.0	4	50	4
R015-L050	1.5	6	50	4
R020-L050	2.0	8	50	4
R030-L050	3.0	12	50	6
R040-L060	4.0	16	60	8
R050-L075	5.0	20	75	10
R060-L075	6.0	24	75	12



Unit:mm



V3AES

3刃精銑鋁用平刀

3 Flute Polishing End Mill

D1-D8: 0 - -0.02
D10-D: 0 - -0.03

產品編號 Item no.	刃徑 $0^{-0.02}$ DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 $_{+0.001}$ S.D. (d)
D010-L050	1	2	50	6
D020-L050	2	4	50	6
D030-L050	3	6	50	6
D040-L050	4	8	50	6
D060-L050	6	12	50	6
D080-L060	8	16	60	8
D100-L075	10	20	75	10



Unit:mm

Special Tools



Working Condition 鋁用平刀加工條件/Aluminum Square End Mill

被切削材	C1020 or similar		A5020 or similar	
Applicable work				
切削條件 condition	Rotational speed	Feeding speed	Rotational speed	Feeding speed
刃徑(DIA)	R.P.M	mm/min	speed	mm/min
3	16000	1600	16000	3200
4	12500	1250	12500	2500
5	10000	2000	10000	2000
6	8500	1700	8500	1700
8	6500	1300	6500	1300
10	12000	2400	4800	960
12	10000	2000	4000	800
16	6000	1050	3500	700
20	4500	1050	3000	600

Working Condition 鋁用球刀加工條件/Aluminum Ball Nose End Mill

被切削材	C1020 or similar		A5020 or similar	
Applicable work				
切削條件 condition	Rotational speed	Feeding speed	Rotational speed	Feeding speed
刃徑(DIA)	R.P.M	mm/min	R.P.M	mm/min
1(0.5R)	32000	600	47500	900
1.5(0.75R)	21500	600	47500	900
2(1R)	16500	600	24000	900
3(1.5R)	11500	750	16500	1700
4(2R)	8500	750	12500	1700
5(2.5R)	6600	750	9800	1700
6(3R)	5500	750	8200	1700
8(4R)	4200	750	6200	1700
10(5R)	3400	750	5000	1700
12(6R)	2900	750	4400	1700
16(8R)	2200	750	3200	1700
20(10R)	1800	750	2500	1700

Attention: In order to get better cutting surface and lengthen the life-time of the end mill, please use high accuracy, high rigidity and dynamic equilibrium of holder.

1. Before using the end mill, please examine the end mill to lean towards and pull, when the precision of the bearing towards of mill exceeds 0.01mm. Please cut after correcting.
2. It is better that end mill stretches out shorter from chuck, when the end mill stretches out longer, please adjust the rotational speed, feeding speed or cutting amount.
3. Unusual vibrations or sound happen when cutting, please adjust and lower the rotational speed of the main shaft one by one, feeding speed and cutting amount until improving the situation, or change the high-quality end mill.
4. It is the best way to cut steel material by spraying or air in order to make TiAlN efficiently; we recommend to adopt non-water cutting liquid to cut the stainless steel, titanium alloy or heat-resisting alloy liquid.
5. Cutting will be influenced by work piece, machine and software; the above-mentioned data are only for reference, please improve feeding speed by 20%-50% up after cutting situation steady.
6. Use a machine tool with rigidity and rigid set-up, to machine stably.
7. When the revolution speed is not enough, reduce the revolution speed and table speed at the same rate.
8. Adjust the revolution speed and table speed, according to cutting conditions such as machining shape, rigidity of machine tool, over-hang and so on.

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Accu-Cut Industrial Co., Ltd.

General Series

平刀、球刀、圓鼻刀系列



- 應用範圍：鐵、碳鋼、模具鋼、合金鋼、熱處理鋼材
- 特色：極細微粒碳化鎢富有抗折、耐震的特色，搭配高鋁鈦的鍍層，可增加其耐磨度。因此，此款刀型適合60HRC以下的模具上，不管是粗銑或精銑皆可，替您省下換刀時間，並有效率的縮短生產時間。



- **Application** : Iron, Carbon Steel, Cast Iron, Alloy Steel, ToolSteel, Heat Treatment Steel, Welding Steel
- This series brings you the best performance/price ratio.
The design of strong geometry on the tool will work perfectly on roughing and polishing. It is easily to apply to your job for the hardened steel (up to 60 HRC).
Varies ranges of end mill and coating will meet your need on different machining conditions.



2SES 2刃微小徑平刀

2 Flute Micro Diameter Square End Mill

產品編號 Item no.	刃徑 $0^{-0.015}$ DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 $_{+0}$ S.D. (d)
D002-L050	0.2	0.4	50	4
D003-L050	0.3	0.6	50	4
D004-L050	0.4	0.8	50	4
D005-L050	0.5	1.0	50	4
D006-L050	0.6	1.2	50	4
D007-L050	0.7	1.4	50	4
D008-L050	0.8	1.6	50	4
D009-L050	0.9	1.8	50	4

0.4 μ m 135° HRC:45~62

Unit:mm



2KES 2刃平刀

2 Flute Square End Mill

D1-D8: 0 ~ -0.02
D10-D20: 0 ~ -0.03

產品編號 Item no.	刃徑 $0^{-0.02}$ DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 $_{+0}$ S.D. (d)
D010-L050	1	3	50	4
D015-L050	1.5	4	50	4
D020-L050	2	5	50	4
D025-L050	2.5	7	50	4
D030-L050	3	8	50	4
D040-L050	4	10	50	4
D020-L050d6	2	5	50	6
D030-L050d6	3	8	50	6
D040-L050d6	4	10	50	6
D050-L050	5	13	50	6
D060-L050	6	15	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	30	75	12
D140-L100	14	35	100	14
D160-L100	16	40	100	16
D200-L100	20	45	100	20

0.4 μ m 135° HRC:45~62

Unit:mm

Working Condition

兩刃平刀加工條件/Two Flute Square End Mill

Working material hardness 切削條件 condition 刃徑(DIA)	HRC30~40		HRC50~58		HRC58~62	
	Rotational speed RPM	Feeding speed mm/min.	Rotational speed RPM	Feeding speed mm/min.	Rotational speed RPM	Feeding speed mm/min.
D1	11500	384	8896	288	6720	243
D1.5	10800	480	8250	380	6400	290
D2.0	9472	448	8192	384	5760	320
D2.5	9100	500	8050	420	5600	320
D3	7680	550	7150	480	4991	320
D4	6950	680	6350	580	4480	350
D5	6400	700	5850	600	4310	360
D6	6200	750	5900	650	3900	380
D7	5900	850	5000	760	3700	420
D8	4500	950	2880	800	1850	470
D10	2900	1400	1500	750	1100	380
D11	2700	1300	1250	500	950	300
D12	2450	1000	1020	420	790	210
D13	1800	700	870	350	620	180
D14	1680	650	740	320	570	170
D16	1400	600	670	300	490	170
D20	920	550	440	210	310	120

After using this table, cutting conditions are determined for 2-flute square end mill, please use high-speed steel (HSS) with low cutting speed.

1. Before using this table, please confirm the material to be machined, tool geometry and cut, which the product of the feeding speed is not less than 0.01 mm. Please cut after consulting.

2. If a larger diameter end mill is used than the one in this table, then the cutting speed should be higher, please adjust the rotational speed, feeding speed or cutting amount.

3. When cutting with a feed of 0.01 mm or less, please adjust the feed rate of the feed rate to 0.01 mm, feeding speed and cutting amount will improve the surface finish, but the high speed and cut.

4. If the feed rate is not enough, by increasing the feed rate to 0.01 mm, the surface finish will be improved, but the high speed and cut.

5. Cutting with a feed of 0.01 mm or less, please adjust the feed rate to 0.01 mm, feeding speed and cutting amount will improve the surface finish, but the high speed and cut.

6. Please confirm the material to be machined and the tool geometry.

7. When the material is not cut through, please adjust the rotational speed and feed rate to 0.01 mm.

8. Adjust the rotational speed and feed rate according to cutting conditions such as material, shape, rigidity of machine tool, wear, etc.



2KEL 2刃長刃平刀

2 Flute Long Flute square End Mill

D0~D20: 0 ~ -0.02
D10~D20: 0 ~ -0.03

產品編號 Item no.	刃徑 $D \pm 0.02$ DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ± 0.01 S.D. (d)
D020-L060	2	8	60	6
D030-L060	3	10	60	6
D040-L060	4	15	60	6
D050-L060	5	20	60	6
D060-L075	6	24	75	6
D080-L075	8	32	75	8
D100-L100	10	40	100	10
D120-L100	12	45	100	12
D160-L150	16	64	150	16
D200-L150	20	72	150	20

HRC:45~62

Unit:mm



3KER 3刃粗銑刀

3 Flute Medium Pitch Roughing End Mill

D6-D8: D ± 0.02
D10-D20: D ± 0.03

產品編號 Item no.	刃徑 ^① DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ^② S.D. (d)
D060-L050	6	12	50	6
D060-L100	6	12	100	6
D080-L060	8	16	60	8
D080-L100	8	16	100	8
D100-L075	10	20	75	10
D100-L100	10	20	100	10
D120-L075	12	24	75	12
D120-L100	12	24	100	12
D160-L100	16	32	100	16
D160-L150	16	32	150	16
D200-L100	20	40	100	20
D200-L150	20	40	150	20

0.4 μm 14° 1182 12 HRC:45~62

Unit:mm



3KES 3刃平刀

3 Flute Square End Mill

D3-D6: D ± 0.02
D10-D20: D ± 0.03

產品編號 Item no.	刃徑 ^① DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ^② S.D. (d)
D030-L050	3	8	50	6
D040-L050	4	10	50	6
D050-L050	5	13	50	6
D060-L050	6	15	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	30	75	12
D160-L100	16	40	100	16
D200-L100	20	45	100	20

0.4 μm 14° 1182 12 HRC:45~62

Unit:mm



4KER 4刃粗銑刀

4 Flute Roughing End Mill

D6-D8: D ~ -0.02
D10-D20: D ~ -0.03

產品編號 Item no.	刃徑 _{±0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{±0.01} S.D. (d)
D060-L050	6	15	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	24	75	12
D160-L100	16	32	100	16
D200-L100	20	40	100	20

HRC:45~62

Unit:mm



4KES 4刃平刀

4 Flute Square End Mill

D1-D6: D ~ -0.02
D10-D20: D ~ -0.03

產品編號 Item no.	刃徑 _{±0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{±0.01} S.D. (d)
D010-L050	1	3	50	4
D020-L050	2	5	50	4
D030-L050	3	8	50	4
D040-L050	4	10	50	4
D020-L050d6	2	5	50	6
D030-L050d6	3	8	50	6
D040-L050d6	4	10	50	6
D050-L050	5	13	50	6
D060-L050	6	15	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	30	75	12
D140-L100	14	35	100	14
D160-L100	16	40	100	16
D200-L100	20	45	100	20
D250-L150	25	50	150	25

HRC:45~62

Unit:mm



A4KES 4刃平刀 (35°) 4 Flute Square End Mill (35°)

D1-D6: 0 ~ -0.02
D15-D25: 0 ~ -0.03

產品編號 Item no.	刃徑 _{0 ~ -0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{±0.01} S.D. (d)
D010-L050	1	3	50	4
D020-L050	2	5	50	4
D030-L050	3	8	50	4
D040-L050	4	10	50	4
D050-L050	5	13	50	6
D020-L050d6	2	5	50	6
D030-L050d6	3	8	50	6
D040-L050d6	4	10	50	6
D060-L050	6	15	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	30	75	12
D140-L100	14	35	100	14
D160-L100	16	40	100	16
D200-L100	20	45	100	20

HRC:45~62

Unit:mm

Working Condition

四刃平刀加工條件/ Four Flute Square End Mill

Working material hardness 切削條件 condition 刃徑(DIA)	HRC45~52		HRC52~62	
	Rotational speed RPM	Feeding speed mm/min.	Rotational speed RPM	Feeding speed mm/min.
D3	14040	1498	6760	749
D4	10920	1778	5200	842
D5	9360	2013	4628	983
D6	8320	2714	4160	1358
D8	4640	2714	2400	1358
D10	3360	2668	2000	1358
D12	2480	2246	1520	1123
D16	1440	1685	1080	842
D20	612	576	504	456
D25	468	360	342	216

* Before using this tool, get better cutting surface and longer life by use of the correct process and high-quality workpiece materials.

* Before using this tool, get better cutting surface and longer life by use of the correct process and high-quality workpiece materials.

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* Before using this tool, get better cutting surface and longer life by use of the correct process and high-quality workpiece materials.



4KEL 4刃長刃平刀

4 Flute Long Flute Square End Mill

D3-D6: S + -0.02
D10-D25: S + -0.03

產品編號 Item no.	刃徑 ϕ -0.02 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ϕ S.D. (d)
D030-L060	3	12	60	6
D040-L060	4	16	60	6
D050-L060	5	20	60	6
D060-L075	6	24	75	6
D080-L075	8	32	75	8
D100-L100	10	40	100	10
D120-L100	12	45	100	12
D160-L150	16	64	150	16
D200-L150	20	72	150	20
D250-L200	25	72	200	25



HRC:45~62

Unit:mm

Working Condition

四刃加長平刀加工條件/ Four Flute (Longer Length) Square End Mill

Working material hardness 切削條件 condition 刃徑(DIA)	HRC45~52		HRC52~62	
	Rotational speed RPM	Feeding speed mm/min.	Rotational speed RPM	Feeding speed mm/min.
D3	5200	599	2704	300
D4	4640	711	2080	337
D5	3360	805	1851	393
D6	3080	1086	1664	543
D8	2240	1086	1248	543
D10	1800	1087	998	543
D12	1320	899	832	449
D16	680	570	624	337
D20	510	480	420	380
D25	390	300	285	180

1. Rotational speed is not higher than the value in the table. If the work material is too hard, please use higher speed, high rigidity tool holder, and coolant system.

2. Feeding speed is not higher than the value in the table. If the work material is too hard, please use higher speed, high rigidity tool holder, and coolant system.

3. If the work material is too hard, please use higher speed, high rigidity tool holder, and coolant system.

4. It is the best way to use coolant system by spraying or air to cool the work material. Please refer to the table for the recommended coolant.

5. Cutting with too high speed for work material, especially for stainless steel, will cause tool wear and reduce tool life.

6. Use a coolant that will not cause rust on the work material.

7. When the tool is used in the machine, please refer to the table for the recommended speed.

8. Adjust the rotational speed and feeding speed according to the cutting conditions such as the work material, rigidity of the tool holder, and coolant system.



6KES 6刃平刀

6 Flute Long Flute Square End Mill

D6-D8: 0 ~ -0.02
D10-D20: 0 ~ -0.03

產品編號 Item no.	刃徑 _{0 ~ -0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{H8} S.D. (d)
D060-L050	6	15	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	30	75	12
D160-L100	16	40	100	16
D200-L100	20	45	100	20

HRC:45~62

Unit:mm



6KEL 6刃長刃平刀

6 Flute Long Flute Square End Mill

D6-D8: 0 ~ -0.02
D10-D20: 0 ~ -0.03

產品編號 Item no.	刃徑 _{0 ~ -0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{H8} S.D. (d)
D060-L075	6	24	75	6
D080-L075	8	32	75	8
D100-L100	10	40	100	10
D120-L100	12	45	100	12
D160-L150	16	64	150	16
D200-L150	20	72	150	20

HRC:45~62

Unit:mm



2KBS 2刃球刀

2 Flute Ball Nose

D1-D8: 0 ~ -0.02

D10-D20: 0 ~ -0.03

產品編號 Item no.	R角 ¹⁾²⁾ Radius (R)	刃長 ³⁾ F.L. (H)	全長 O.V.L. (L)	柄徑 ⁴⁾ S.D. (d)
R005-L050	0.5	2	50	4
R0075-L050	0.75	3	50	4
R010-L050	1.0	4	50	4
R0125-L050	1.25	5	50	4
R015-L050	1.5	6	50	4
R020-L050	2.0	8	50	4
R005-L050d6	0.5	2	50	6
R010-L050d6	1.0	4	50	6
R015-L050d6	1.5	6	50	6
R020-L050d6	2.0	8	50	6
R025-L050	2.5	10	50	6
R030-L050	3.0	12	50	6
R040-L075	4.0	16	75	8
R050-L075	5.0	20	75	10
R060-L075	6.0	20	75	12
R070-L100	7.0	22	100	14
R080-L100	8.0	24	100	16
R100-L100	10	30	100	20

Unit:mm

Working Condition

球刀加工條件/Ball Nose

Working material hardness 切削條件 刃徑(DIA)	HRC30		HRC52		HRC60	
	Rotational speed	Feeding speed	Rotational speed	Feeding speed	Rotational speed	Feeding speed
	RPM	mm/min.	RPM	mm/min.	RPM	mm/min.
R0.5	20480	768	16640	512	13440	486
R0.75	19500	820	15700	680	12700	560
R1	18944	896	14272	742	11520	640
R1.25	17000	1060	12800	950	10500	640
R1.5	15360	1408	11520	1024	9984	640
R2	14720	2048	10880	960	8960	870
R2.5	13800	2560	9984	1280	7040	768
R3	12800	2560	9728	1216	6400	704
R3.5	9300	2680	6800	1420	4500	780
R4	8320	2816	5120	1536	3200	832
R4.5	6590	2600	4100	1380	2800	750
R5	4864	2432	2560	1152	2048	640
R6	3800	2300	2560	1280	1536	576
R7	2200	1250	1580	690	980	420
R8	1650	780	1050	520	700	360
R10	1100	600	580	410	490	245
R12.5	860	500	530	260	385	190

Attention: In order to get better cutting surface and condition for the work, please refer to the following points.

1. Before using the end mill, please inspect the size and the condition of the end mill, and the condition of the working materials of work conditions. Please refer to the following points.

2. Please refer to the end mill selection chart for the end mill, and the end mill selection chart for the end mill, and the end mill selection chart for the end mill.

3. Please refer to the end mill selection chart for the end mill, and the end mill selection chart for the end mill, and the end mill selection chart for the end mill.

4. It is the best way to use the end mill by cutting in the order of the end mill. Please refer to the end mill selection chart for the end mill, and the end mill selection chart for the end mill.

5. Please refer to the end mill selection chart for the end mill, and the end mill selection chart for the end mill, and the end mill selection chart for the end mill.

6. Please refer to the end mill selection chart for the end mill, and the end mill selection chart for the end mill, and the end mill selection chart for the end mill.

7. Please refer to the end mill selection chart for the end mill, and the end mill selection chart for the end mill, and the end mill selection chart for the end mill.



2SBS 2刃微小徑球刀

2 Flute Micro Diameter Ball Nose

產品編號 Item no.	R角 Radius (R) (R10-0.015)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{1/8} S.D. (d)
R001-L050	0.1	0.4	50	4
R0015-L050	0.15	0.6	50	4
R002-L050	0.2	0.8	50	4
R0025-L050	0.25	1	50	4
R003-L050	0.3	1.2	50	4
R004-L050	0.4	1.6	50	4



HRC:45~62

Unit:mm

Working Condition

微小徑球刀加工條件 / Micro Diameter Ball Nose

Working material hardness	HRC45~52		HRC52~62	
切削條件 condition	Rotational speed	Feeding speed	Rotational speed	Feeding speed
刃徑(DIA)	RPM	mm/min.	RPM	mm/min.
0.15R	25000	200	25000	198
0.2R	25000	275	25000	248
0.25R	25000	330	25000	297
0.3R	25000	418	25000	376
0.35R	25000	495	25000	446
0.4R	25000	561	25000	505
0.45R	25000	638	25000	574

① Before use, inspect the cutting surface and length for the size of the end mill. Please use inspection tool to inspect the cutting surface, high rigidity work requires inspection of tool.

② When using the end mill, please maintain the end mill in the center and push down the position of the cutting towards the end of the workpiece. Please cut after spinning.

③ It is better that end mill diameter and shank both should be round. When the end mill diameter has burrs, please polish the burrs out first. Feeding speed is cutting amount.

④ Please adjust the speed and feed rate when cutting. Please adjust and test the rotation speed for the material size by the feeding speed and cutting amount and keeping the rotation speed or change the

⑤ Spinning speed.

⑥ It is better that you do not change the speed or feeding speed in the middle of the cutting. If you change the speed or feeding speed, please change the speed or feeding speed.

⑦ Cutting will be influenced by work piece, material and surface. The above mentioned data are only the reference. Please improve feeding speed and cutting amount according to the work piece.

⑧ Also, a sharp end mill is better than a dull end mill.

⑨ When the rotation speed is too slow, please increase the rotation speed and the depth of the work piece.

⑩ Adjust the rotation speed and feed rate according to the cutting condition such as the material shape, rigidity of the work piece, and the work piece.



2KBL 2刃長柄球刀

2 Flute Long Shank Ball Nose

D1-D8: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	R角 Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{He} S.D. (d)
R005-L060	0.5	2	60	6
R005-L075	0.5	2	75	6
R010-L060	1.0	4	60	6
R010-L075	1.0	4	75	6
R010-L100	1.0	4	100	6
R015-L060	1.5	6	60	6
R015-L075	1.5	6	75	6
R015-L100	1.5	6	100	6
R020-L060	2.0	8	60	6
R020-L075	2.0	8	75	6
R020-L100	2.0	8	100	6
R025-L075	2.5	10	75	6
R030-L075	3.0	12	75	6
R030-L100	3.0	12	100	6
R030-L150	3.0	12	150	6
R040-L100	4.0	16	100	8
R040-L150	4.0	16	150	8
R050-L100	5.0	20	100	10
R050-L150	5.0	20	150	10
R060-L100	6.0	24	100	12
R060-L150	6.0	24	150	12



HRC:45~62

Unit:mm



4KBS 4刃球刀

4 Flute Ball Nose

D1-D8: 0 ~ +0.02
D10-D20: 0 ~ +0.03

產品編號 Item no.	R角 _{nom} Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{nom} S.D. (d)
R005-L050	0.5	2	50	4
R0075-L050	0.75	3	50	4
R010-L050	1.0	4	50	4
R015-L050	1.5	6	50	4
R020-L050	2.0	8	50	4
R025-L050	2.5	10	50	6
R030-L050	3.0	12	50	6
R040-L060	4.0	16	60	8
R050-L075	5.0	20	75	10
R060-L075	6.0	20	75	12
R080-L100	8.0	24	100	16
R100-L150	10.0	30	150	20

0.4 μm 30° 12 HRC:45~62

Unit:mm



2TKUB 2刃斜頸短刃深溝球刀

2 Flute Taper Ball Nose For Deep Machining

產品編號 Item no.	斜頸角度 T.A. (Y)	R角 _{nom} Radius (R)	刃長 F.L. (H)	有效長 N.L. (U)	斜頸長 T.L. (N)	全長 O.V.L. (L)	柄徑 _{nom} S.D. (d)
R010-L065-Y6.5	6.5	1.0	3	8	20	65	6
R010-L085-Y1	1	1.0	3	8	40	85	6
R010-L085-Y3	3	1.0	3	8	40	85	6
R015-L065-Y4.3	4.3	1.5	3.5	10	20	65	6
R015-L085-Y1	1	1.5	3.5	12	40	85	6
R015-L085-Y2	2	1.5	3.5	12	40	85	6
R020-L065-Y3	3	2.0	4	12	20	65	6
R020-L085-Y1	1	2.0	4	20	40	85	6
R020-L100-Y1	1	2.0	4	20	60	100	6

0.4 μm 30° 12

※另有圓鼻刀規格，歡迎與我們聯繫。
Corner Radius is also available!
Production upon request!

HRC:45~62

Unit:mm



2TAPL 2刃斜頸球刀

2 Flute Taper Ball Nose

D1/D6: ± 0.02
D10: ± 0.03

產品編號 Item no.	R角 ± 0.01 Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ± 0.01 S.D. (d)
R005-L075	0.5	2	75	6
R010-L075	1.0	4	75	6
R015-L075	1.5	6	75	6
R020-L100	2.0	8	100	8
R025-L100	2.5	10	100	8
R030-L100	3.0	12	100	10
R030-L150	3.0	12	150	10
R040-L100	4.0	16	100	12
R040-L150	4.0	16	150	12
R050-L100	5.0	20	100	16
R050-L150	5.0	20	150	16

HRC:45~62

Unit:mm



2KOB 2刃直刃球刀 (底部專用)

2 Flute Straight Ball Nose

D4/D6: ± 0.02
D10: ± 0.03

產品編號 Item no.	R角 ± 0.01 Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 ± 0.01 S.D. (d)
R020-L050	2.0	4	15	50	4
R020-L075	2.0	4	15	75	6
R030-L050	3.0	6	18	50	6
R030-L075	3.0	6	18	75	6
R030-L100	3.0	6	22	100	6
R040-L060	4.0	8	24	60	8
R040-L100	4.0	8	33	100	8
R050-L075	5.0	10	30	75	10
R050-L100	5.0	10	40	100	10

HRC:45~62

Unit:mm



2NB 2刃圓鼻刀

2 Flute Corner Radius

D1-D8: 2 ~ -0.02
D10-D12: 2 ~ -0.03

產品編號 Item no.	刃徑 ^{0 ~ -0.02} DIA. (D)	R角 ^{+0.01} Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ⁺⁰ S.D. (d)
R002-L050-D1	1	0.2	2	50	4
R003-L050-D1	1	0.3	2	50	4
R002-L050-D1.5	1.5	0.2	3	50	4
R003-L050-D1.5	1.5	0.3	3	50	4
R002-L050-D2	2	0.2	5	50	4
R003-L050-D2	2	0.3	5	50	4
R005-L050-D2	2	0.5	5	50	4
R002-L050-D3	3	0.2	8	50	4
R003-L050-D3	3	0.3	8	50	4
R005-L050-D3	3	0.5	8	50	4
R002-L050-D4	4	0.2	10	50	4
R003-L050-D4	4	0.3	10	50	4
R005-L050-D4	4	0.5	10	50	4
R010-L050-D4	4	1.0	10	50	4
R005-L050-D5	5	0.5	13	50	6
R010-L050-D5	5	1.0	13	50	6
R005-L050-D6	6	0.5	15	50	6
R005-L075-D6	6	0.5	15	75	6
R010-L050-D6	6	1.0	15	50	6
R010-L075-D6	6	1.0	15	75	6
R005-L060-D8	8	0.5	20	60	8
R005-L100-D8	8	0.5	20	100	8
R010-L060-D8	8	1.0	20	60	8
R010-L100-D8	8	1.0	20	100	8
R005-L075-D10	10	0.5	25	75	10
R010-L075-D10	10	1.0	25	75	10
R020-L075-D10	10	2.0	25	75	10
R005-L075-D12	12	0.5	30	75	12
R010-L075-D12	12	1.0	30	75	12
R020-L075-D12	12	2.0	30	75	12

0.4 100 25 12 R HRC:45~62

Unit:mm



2NNUB

2刃深溝圓鼻刀

2 Flute Corner Radius For Deep Machining

D1-D9: 0 - -0.02
D10-D12: 0 - -0.03

產品編號 Item no.	刃徑 _{0 - -0.03} DIA. (D)	R角 _{±0.01} Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 _{±0.01} S.D. (d)
R002-L050-D1-U4	1	0.2	2	4	50	4
R002-L050-D1-U6	1	0.2	2	6	50	4
R002-L050-D1-U8	1	0.2	2	8	50	4
R002-L050-D1-U10	1	0.2	2	10	50	4
R002-L050-D1-U12	1	0.2	2	12	50	4
R002-L050-D1-U16	1	0.2	2	16	50	4
R002-L050-D1.5-U4	1.5	0.2	2	4	50	4
R002-L050-D1.5-U6	1.5	0.2	2	6	50	4
R002-L050-D1.5-U8	1.5	0.2	2	8	50	4
R002-L050-D1.5-U10	1.5	0.2	2	10	50	4
R002-L050-D2-U4	2	0.2	2	4	50	4
R002-L050-D2-U6	2	0.2	2	6	50	4
R002-L050-D2-U8	2	0.2	2	8	50	4
R002-L050-D2-U10	2	0.2	2	10	50	4
R002-L050-D2-U12	2	0.2	2	12	50	4
R002-L050-D3-U6	3	0.2	4	6	50	4
R002-L050-D3-U8	3	0.2	4	8	50	4
R002-L050-D3-U10	3	0.2	4	10	50	4
R002-L050-D3-U12	3	0.2	4	12	50	4
R002-L050-D4-U10	4	0.2	4	10	50	6
R005-L050-D4-U10	4	0.5	4	10	50	6
R002-L050-D6-U15	6	0.2	6	15	50	6
R005-L050-D6-U15	6	0.5	6	15	50	6
R010-L050-D6-U15	6	1.0	6	15	50	6
R003-L060-D8-U20	8	0.3	8	20	60	8
R005-L060-D8-U20	8	0.5	8	20	60	8
R010-L060-D8-U20	8	1.0	8	20	60	8
R003-L075-D10-U25	10	0.3	10	25	75	10
R005-L075-D10-U25	10	0.5	10	25	75	10
R010-L075-D10-U25	10	1.0	10	25	75	10
R020-L075-D10-U25	10	2.0	10	25	75	10
R010-L075-D12-U30	12	1.0	12	30	75	12
R020-L075-D12-U30	12	2.0	12	30	75	12

0.4
mm11°
(35°)MAX
12

R



HRC:45~62

Unit:mm



3NB 3刃圓鼻刀

3 Flute Corner Radius

D3-D8: 0 ~ -0.02
D10-D20: 0 ~ -0.03

產品編號 Item no.	刃徑 _{h/2} DIA. (D)	R角 _{h/2} Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{h8} S.D. (d)
R010-L050-D3	3	1.0	8	50	6
R010-L050-D5	5	1.0	13	50	6
R003-L050-D6	6	0.3	15	50	6
R005-L050-D6	6	0.5	15	50	6
R010-L050-D6	6	1.0	15	50	6
R003-L060-D8	8	0.3	20	60	8
R005-L060-D8	8	0.5	20	60	8
R010-L060-D8	8	1.0	20	60	8
R020-L060-D8	8	2.0	20	60	8
R030-L060-D8	8	3.0	20	60	8
R005-L075-D10	10	0.5	25	75	10
R010-L075-D10	10	1.0	25	75	10
R020-L075-D10	10	2.0	25	60	10
R025-L060-D10	10	2.5	25	60	10
R025-L075-D16	16	2.5	40	75	16
R040-L100-D20	20	4.0	45	100	20

0.4 36° 12 R HRC:45~62

Unit:mm



4NB 4刃圓鼻刀 (45°)
4 Flute Corner Radius (45°)

D3-D8 0 - -0.02
D10-D12 0 - -0.03

產品編號 Item no.	刃徑 ^{B1-0.02} DIA. (D)	R角 ^{13.01} Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ¹⁴ S.D. (d)
R003-L050-D3	3	0.3	8	50	4
R002-L050-D4	4	0.2	10	50	4
R003-L050-D4	4	0.3	10	50	4
R005-L050-D4	4	0.5	10	50	4
R005-L050-D5	5	0.5	13	50	6
R010-L050-D5	5	1.0	13	50	6
R005-L050-D6	6	0.5	15	50	6
R010-L050-D6	6	1.0	15	50	6
R005-L060-D8	8	0.5	20	60	8
R010-L060-D8	8	1.0	20	60	8
R005-L075-D10	10	0.5	25	75	10
R010-L075-D10	10	1.0	25	75	10
R020-L075-D10	10	2.0	25	75	10
R030-L075-D10	10	3.0	25	75	10
R005-L075-D12	12	0.5	30	75	12
R010-L075-D12	12	1.0	30	75	12
R020-L075-D12	12	2.0	30	75	12
R030-L075-D12	12	3.0	30	75	12

Unit: 100



A4NB 4刃圓鼻刀 (35°)
4 Flute Corner Radius (35°)

U1-D8: 0 = -0.02
U10-D12: 0 = -0.03

產品編號 Item no.	刃徑 ϕ -R02 DIA. (D)	R角 R0.01 Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ϕ S.D. (d)
R002-L050-D1	1	0.2	3	50	4
R002-L050-D1.5	1.5	0.2	4	50	4
R002-L050-D2	2	0.2	5	50	4
R002-L050-D3	3	0.2	8	50	4
R003-L050-D3	3	0.3	8	50	4
R002-L050-D4	4	0.2	10	50	4
R003-L050-D4	4	0.3	10	50	4
R005-L050-D4	4	0.5	10	50	4
R010-L050-D4	4	1.0	10	50	4
R005-L050-D5	5	0.5	13	50	6
R010-L050-D5	5	1.0	13	50	6
R005-L050-D6	6	0.5	15	50	6
R010-L050-D6	6	1.0	15	50	6
R005-L060-D8	8	0.5	20	60	8
R010-L060-D8	8	1.0	20	60	8
R005-L075-D10	10	0.5	25	75	10
R010-L075-D10	10	1.0	25	75	10
R020-L075-D10	10	2.0	25	75	10
R030-L075-D10	10	3.0	25	75	10
R005-L075-D12	12	0.5	30	75	12
R010-L075-D12	12	1.0	30	75	12
R020-L075-D12	12	2.0	30	75	12
R030-L075-D12	12	3.0	30	75	12

4 04 22 100 R HRC:45~62

Unit: 100000



4NSB 4刃短刃長柄圓鼻刀

4 Flute Short Flute Corner Radius

D9-D8: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 _{0~+0.02} DIA. (D)	R角 Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ₀ S.D. (d)
R003-L075-D3d3	3	0.3	6	75	3
R005-L075-D4d4	4	0.5	8	75	4
R005-L075-D6	6	0.5	6	75	6
R010-L075-D6	6	1.0	6	75	6
R005-L100-D6	6	0.5	6	100	6
R010-L100-D6	6	1.0	6	100	6
R005-L100-D8	8	0.5	8	100	8
R010-L100-D8	8	1.0	8	100	8
R005-L100-D10	10	0.5	10	100	10
R010-L100-D10	10	1.0	10	100	10
R020-L100-D10	10	2.0	10	100	10
R030-L100-D10	10	3.0	10	100	10
R005-L100-D12	12	0.5	12	100	12
R010-L100-D12	12	1.0	12	100	12
R020-L100-D12	12	2.0	12	100	12
R030-L100-D12	12	3.0	12	100	12

0.4 μm 145° 12 R HRC:45~62

Unit:mm



we always offer you best
solution on your working material.
Choose us means choose to be satisfied.





4NUB

4刃深溝用圓鼻刀

4 Flute Corner Radius For Deep Machining

D4-D8: 0 ~ -0.02

D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 _{0 ~ +0.02} DIA. (D)	R角 _{±0.01} Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 _{h6} S.D. (d)
R005-L075-D4-U10	4	0.5	4	10	75	6
R005-L075-D5-U13	5	0.5	5	13	75	6
R010-L075-D5-U13	5	1.0	5	13	75	6
R005-L075-D6-U15	6	0.5	6	15	75	6
R010-L075-D6-U15	6	1.0	6	15	75	6
R005-L100-D8-U20	8	0.5	8	20	100	8
R010-L100-D8-U20	8	1.0	8	20	100	8
R005-L100-D10-U25	10	0.5	10	25	100	10
R010-L100-D10-U25	10	1.0	10	25	100	10
R020-L100-D10-U25	10	2.0	10	25	100	10
R005-L100-D12-U30	12	0.5	12	30	100	12
R010-L100-D12-U30	12	1.0	12	30	100	12
R020-L100-D12-U30	12	2.0	12	30	100	12

0.4 μm 55° MC 12 R HRC:45~62

Unit:mm



4NOB

4刃直刃圓鼻刀 (底部專用)

4 Flute Straight Corner Radius

D6-D8: 0 ~ -0.02

D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 _{0 ~ +0.02} DIA. (D)	R角 _{±0.01} Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 _{h6} S.D. (d)
R015-L075-D6-U15	6	1.5	6	15	75	6
R020-L100-D8-U20	8	2.0	8	20	100	8
R020-L100-D10-U25	10	2.0	10	25	100	10
R030-L100-D12-U30	12	3.0	12	30	100	12

0.4 μm 55° MC 12 R HRC:45~62

Unit:mm



6NB 6刃圓鼻刀

6 Flute Corner Radius

D5-D6: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 ϕ -0.02 DIA. (D)	R角 Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ϕ S.D. (d)
R003-L050-D6	6	0.3	15	50	6
R005-L050-D6	6	0.5	15	50	6
R003-L060-D8	8	0.3	20	60	8
R005-L060-D8	8	0.5	20	60	8
R005-L075-D10	10	0.5	25	75	10
R010-L075-D10	10	1.0	25	75	10
R005-L075-D12	12	0.5	30	75	12
R010-L075-D12	12	1.0	30	75	12

0.4 μ m 45° MC 12 R HRC:45~62

Unit:mm



SU4KES 4刃不鏽鋼加工專用平刀

4 Flute Square End Mill For Stainless Steel

D4-D6: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 ϕ -0.02 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ϕ S.D. (d)
D040-L050	4	10	50	4
D060-L050	6	15	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10

0.2 μ m 45° MC 9 R HRC:45~62

Unit:mm

- 特色：超耐久、超光滑、超划算
- Feature：Endurable、Polishing、Efficient
- Apply in：Side-Milling

4KDE is ACT patented end mill.
4KDE是ACT全台灣唯一不等分割專利
台灣、中國皆有專利，其他國家陸續申請中

- 實際測試

- 母材：SKD 11, HRC 56
- 轉速：3500 RPM
- 深度：10 mm
- 側邊深度：0.3 mm
- 進給：1400 mm/min

- 測試結果

依照以上條件，
總共走完53米，
側銑3mm走完整面。
表面光滑。



Miracle Series

極速系列

- This series features in its incorporate helix angle, its a completely redesigned tool to improve cutting edge and chip flow. This series comes in 2, 3 and 4 flute versions and a broad range of lengths for your choice.





2A DE 2刃極速鋁用刀

2 Flute Extreme Aluminum Square End Mill

D6-D8: 0 - -0.02
D10-D16: 0 - -0.03

產品編號 Item no.	刃徑 $^{+0.02}_{-0.00}$ DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 $^{+0}_{-0.01}$ S.D. (d)
D060-L075	6	18	75	6
D080-L075	8	20	75	8
D100-L075	10	25	75	10
D100-L100	10	25	100	10
D120-L075	12	30	75	12
D160-L100	16	40	100	16



HRC:45~62

※ Production upon request

※ 不在庫

Unit:mm



3A NS 3刃極速粗銑刀

3 Flute Extreme Rougher

D6-D8: 0 - -0.03
D12: 0 - -0.03

產品編號 Item no.	刃徑 $^{+0.03}_{-0.00}$ DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 $^{+0}_{-0.01}$ S.D. (d)
D060-L060	6	14	60	6
D080-L060	8	18	60	8
D120-L075	12	30	75	12



HRC:45~62

※ Production upon request

※ 不在庫

Unit:mm



4ANS 4刃極速粗銑刀

4 Flute Extreme Rougher

D6-D8: 0 ~ -0.02
D10-D20: 0 ~ -0.03

產品編號 Item no.	刃徑 ϕ -0.02 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ϕ S.D. (d)
D060-L050	6	13	50	6
D080-L060	8	16	60	8
D100-L075	10	20	75	10
D120-L075	12	24	75	12
D140-L100	14	28	100	14
D160-L100	16	32	100	16
D200-L100	20	40	100	20

0.4
mm

35°

HRC
12

※ Production upon request

※ 不在庫

Unit:mm



4KDE 4刃極速平刀

4 Flute Extreme Square End Mill

D6-D8: 0 ~ -0.02
D10-D20: 0 ~ -0.03

產品編號 Item no.	刃徑 ϕ -0.02 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ϕ S.D. (d)
D060-L060	6	15	60	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	30	75	12
D140-L100	14	35	100	14
D160-L100	16	40	100	16
D200-L100	20	45	100	20

0.4
mm

35°

HRC
12

HRC:45~62

Unit:mm



4NDB 4刃極速圓鼻刀

4 Flute Extreme Corner Radius End Mill

D6-D8: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 ^① Dia. (D)	R角 ^② Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ^③ S.D. (d)
R005-L060-D6	6.0	0.5	15	60	6
R010-L060-D6	6.0	1.0	15	60	6
R005-L075-D6	6.0	0.5	15	75	6
R010-L075-D6	6.0	1.0	15	75	6
R005-L060-D8	8.0	0.5	20	60	8
R010-L060-D8	8.0	1.0	20	60	8
R005-L100-D8	8.0	0.5	20	100	8
R010-L100-D8	8.0	1.0	20	100	8
R005-L075-D10	10.0	0.5	25	75	10
R010-L075-D10	10.0	1.0	25	75	10
R020-L075-D10	10.0	2.0	25	75	10
R005-L100-D10	10.0	0.5	25	100	10
R010-L100-D10	10.0	1.0	25	100	10
R020-L100-D10	10.0	2.0	25	100	10
R005-L075-D12	12.0	0.5	30	75	12
R010-L075-D12	12.0	1.0	30	75	12
R020-L075-D12	12.0	2.0	30	75	12
R005-L100-D12	12.0	0.5	30	100	12
R010-L100-D12	12.0	1.0	30	100	12
R020-L100-D12	12.0	2.0	30	100	12

0.4
0.01
12
R HRC:45~62

Unit:mm



R4KES 4刃槽銑專用平刀

4 Flute Square End Mill For Slotting And Roughing

D6-D8 0 ~ -0.02
D10-D12 0 ~ -0.03

產品編號 Item no.	刃徑 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 S.D. (d)
D060-L050	6	15	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	30	75	12



HRC:45~62

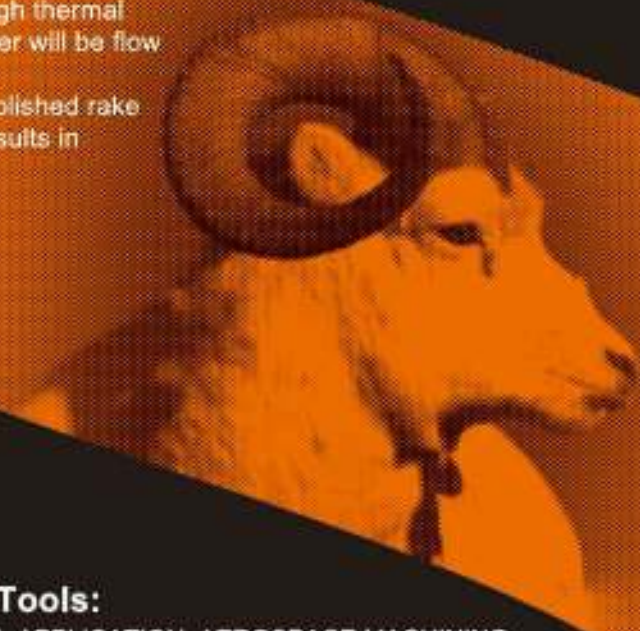
Unit:mm

Special Tools





PCD tool: PCD features in its superb hardness, wear resistance, high thermal conductivity which heat transfer will be flow quickly to the cutting edge. ACT PCD tools have mirror polished rake face to prevent friction and results in smooth cutting edges.



Diamond Coating Tools:

FOR GRAPHITE, MEDICAL APPLICATION, AEROSPACE MACHINING
HIGH WEAR RESISTANCE. IMPROVE TOOL LIFE.

This series of tool offers a wide range of geometries specially designed for graphite machining. The size from diameter Ø 0.2 to Ø 12.0 mm.

The coating diamond is ultra hardness, it features to protect the edge of end mill, thus the tool life have significantly increase compare to the conventional coatings.

Besides the standard Diamond range, ACT also supply custom made Diamond milling cutters.

Supreme Series

高硬度 & 超高速系列

- 應用範圍：鐵材、素碳鋼、鑄鐵、模具鋼、合金鋼、工具鋼、熱處理鋼
- 特色：奈米微粒碳化鎢為母材，剛性極佳，再被覆上高硬度塗層，使其更加耐磨耗。專用於高硬及高速切削。此系列，除了標準平刀、球刀及圓鼻刀之外，另更有高速加工專用之深溝小徑之平刀、球刀和圓鼻刀供選擇。使您提高您加工效率。

Based on the exclusive selected material of nano grain carbide, and X coating, this series of tool has excellent performance on machining above 60 HRC.

Deep machining tools with ultra long neck, with special design neck is your ideal choice for precision machining conventionally done..





S4KES 4刃平刀

4 Flute Square End Mill

D1-D8: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 _{0 ~ -0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{±0.01} S.D. (d)
D010-L050	1	3	50	4
D020-L050	2	5	50	4
D030-L050	3	8	50	4
D040-L050	4	10	50	4
D050-L050	5	13	50	6
D060-L050	6	15	50	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	30	75	12

 HRC: 62¹

Unit:mm



S4KEL 4刃長柄平刀

4 Flute Long Shank Square End Mill

D5-D8: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 _{0 ~ -0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{±0.01} S.D. (d)
D050-L060	5	20	60	6
D060-L075	6	24	75	6
D080-L075	8	32	75	8
D100-L100	10	40	100	10
D120-L100	12	45	100	12

 HRC: 62¹

Unit:mm



S2KUE

2刃深溝平刀

2 Flute Square End Mill For Deep Machining

產品編號 Item no.	刃徑 ^① DIA. (D)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 ^② S.D. (d)
D010-L050-U4	1.0	1.5	4	50	4
D010-L050-U6	1.0	1.5	6	50	4
D010-L050-U8	1.0	1.5	8	50	4
D015-L050-U6	1.5	2.0	6	50	4
D015-L050-U8	1.5	2.0	8	50	4
D015-L050-U10	1.5	2.0	10	50	4
D015-L050-U12	1.5	2.0	12	50	4
D020-L050-U8	2.0	3.0	8	50	4
D020-L050-U10	2.0	3.0	10	50	4
D020-L050-U12	2.0	3.0	12	50	4
D020-L050-U16	2.0	3.0	16	50	4
D030-L050-U10	3.0	4.0	10	50	6
D030-L050-U12	3.0	4.0	12	50	6
D030-L050-U16	3.0	4.0	16	50	6
D030-L060-U20	3.0	4.0	20	60	6
D040-L050-U12	4.0	5.0	12	50	6
D040-L050-U16	4.0	5.0	16	50	6
D040-L060-U20	4.0	5.0	20	60	6

HRC: 62

Unit:mm



S4KUE 4刃深溝平刀

Flute Square End For Deep Machining

產品編號 Item no.	刃徑 _{0~4.00} DIA. (D)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 _{mm} S.D. (d)
D010-L050-U4	1.0	1.5	4	50	4
D010-L050-U6	1.0	1.5	6	50	4
D010-L050-U8	1.0	1.5	8	50	4
D015-L050-U6	1.5	2.0	6	50	4
D015-L050-U8	1.5	2.0	8	50	4
D015-L050-U10	1.5	2.0	10	50	4
D015-L050-U12	1.5	2.0	12	50	4
D020-L050-U8	2.0	3.0	8	50	4
D020-L050-U10	2.0	3.0	10	50	4
D020-L050-U12	2.0	3.0	12	50	4
D020-L050-U16	2.0	3.0	16	50	4
D030-L050-U10	3.0	4.0	10	50	6
D030-L050-U12	3.0	4.0	12	50	6
D030-L050-U16	3.0	4.0	16	50	6
D030-L060-U20	3.0	4.0	20	60	6
D040-L050-U12	4.0	5.0	12	50	6
D040-L050-U16	4.0	5.0	16	50	6
D040-L060-U20	4.0	5.0	20	60	6

0.2 μm 13° 9 HRC: 62†

Unit:mm



S2KBS 2刃球刀

2 Flute Ball Nose

D1-D8: 0 ~ -0.02
D10-D20: 0 ~ -0.03

產品編號 Item no.	R角 Radius (R) ±0.01	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{mm} S.D. (d)
R005-L050	0.5	2	50	4
R0075-L050	0.75	3	50	4
R010-L050	1.0	4	50	4
R015-L050	1.5	6	50	4
R020-L050	2.0	8	50	4
R025-L050	2.5	10	50	6
R030-L050	3.0	12	50	6
R040-L060	4.0	16	60	8
R050-L075	5.0	20	75	10
R060-L075	6.0	20	75	12
R070-L100	7.0	22	100	14
R080-L100	8.0	24	100	16
R100-L100	10.0	30	100	20

0.2 μm 13° 9 HRC: 62†

Unit:mm



S2KBL

2刃長柄球刀

2 Flute Long Shank Ball Nose

D1-D6: 0 ~ -0.02
D18-D12: 0 ~ -0.03

產品編號 Item no.	R角 ^{±0.01} Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ^{H6} S.D. (d)
R005-L060	0.5	2	60	6
R005-L075	0.5	2	75	6
R010-L060	1.0	4	60	6
R010-L075	1.0	4	75	6
R010-L100	1.0	4	100	6
R015-L060	1.5	6	60	6
R015-L075	1.5	6	75	6
R015-L100	1.5	6	100	6
R020-L060	2.0	8	60	6
R020-L075	2.0	8	75	6
R020-L100	2.0	8	100	6
R025-L075	2.5	10	75	6
R030-L075	3.0	12	75	6
R030-L100	3.0	12	100	6
R030-L150	3.0	12	150	6
R040-L100	4.0	16	100	8
R040-L150	4.0	16	150	8
R050-L100	5.0	20	100	10
R050-L150	5.0	20	150	10
R060-L100	6.0	24	100	12
R060-L150	6.0	24	150	12





HRC: 62[±]

Unit:mm



S2KUB 2刃深溝球刀

2 Flute Ball Nose For Deep Machining

產品編號 Item no.	R角 ¹⁾³⁾⁵⁾ Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 ¹⁾⁵⁾ S.D. (d)
R005-L050-U6	0.5	1.5	6	50	4
R005-L050-U8	0.5	1.5	8	50	4
R005-L050-U10	0.5	1.5	10	50	4
R005-L050-U12	0.5	1.5	12	50	4
R0075-L050-U8	0.75	2	8	50	4
R0075-L050-U10	0.75	2	10	50	4
R0075-L050-U12	0.75	2	12	50	4
R0075-L050-U16	0.75	2	16	50	4
R0075-L050-U20	0.75	2	20	50	4
R010-L050-U8	1.0	3	8	50	4
R010-L050-U10	1.0	3	10	50	4
R010-L050-U12	1.0	3	12	50	4
R010-L050-U16	1.0	3	16	50	4
R010-L050-U20	1.0	3	20	50	4
R015-L050-U8	1.5	4	8	50	6
R015-L050-U10	1.5	4	10	50	6
R015-L050-U12	1.5	4	12	50	6
R015-L050-U16	1.5	4	16	50	6
R015-L060-U20	1.5	4	20	60	6
R015-L060-U25	1.5	4	25	60	6
R020-L050-U12	2.0	5	12	50	6
R020-L050-U16	2.0	5	16	50	6
R020-L050-U20	2.0	5	20	50	6
R020-L075-U25	2.0	5	25	75	6
R020-L075-U30	2.0	5	30	75	6

HRC: 62¹⁾

Unit:mm



S2KUBL 2刃深溝球刀 (加長)

2 Flute (Long Shank) Ball Nose For Deep Machining

D3-D6: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	R角 ± 0.01 Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 _{H8} S.D. (d)
R0025-L060-U6	0.25	1.0	6	60	6
R0025-L060-U8	0.25	1.0	8	60	6
R0025-L060-U10	0.25	1.0	10	60	6
R005-L060-U10	0.5	1.5	10	60	6
R005-L060-U16	0.5	1.5	16	60	6
R005-L060-U20	0.5	1.5	20	60	6
R010-L060-U16	1.0	2.0	16	60	6
R010-L075-U25	1.0	2.0	25	75	6
R010-L085-U40	1.0	2.0	40	85	6
R020-L075-U25	2.0	4.0	25	75	6
R020-L085-U40	2.0	4.0	40	85	6
R030-L075-U25	3.0	6.0	25	75	6
R030-L085-U40	3.0	6.0	40	85	6
R040-L075-U40	4.0	8.0	40	75	8

HRC: 62⁺

Unit:mm



S4NB 4刃圓鼻刀 (45°)

4 Flute Corner Radius (45°)

D3-D6: 0 ~ -0.02
D10-D12: 0 ~ -0.03

產品編號 Item no.	刃徑 ± 0.02 DIA. (D)	R角 ± 0.01 Radius (R)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{H8} S.D. (d)
R003-L050-D3	3	0.3	8	50	4
R002-L050-D4	4	0.2	10	50	4
R003-L050-D4	4	0.3	10	50	4
R005-L050-D4	4	0.5	10	50	4
R005-L050-D5	5	0.5	13	50	6
R010-L050-D5	5	1.0	13	50	6
R005-L050-D6	6	0.5	15	50	6
R010-L050-D6	6	1.0	15	50	6
R005-L060-D8	8	0.5	20	60	8
R010-L060-D8	8	1.0	20	60	8
R005-L075-D10	10	0.5	25	75	10
R010-L075-D10	10	1.0	25	75	10
R020-L075-D10	10	2.0	25	75	10
R030-L075-D10	10	3.0	25	75	10
R005-L075-D12	12	0.5	30	75	12
R010-L075-D12	12	1.0	30	75	12
R020-L075-D12	12	2.0	30	75	12
R030-L075-D12	12	3.0	30	75	12

HRC: 62⁺

Unit:mm



S2SNUB

2刃深溝圓鼻刀

2 Flute Corner Radius For Deep Machining

產品編號 Item no.	刃徑 ^{0-0.02} DIA. (D)	R角 ^{±0.01} Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 ^{H8} S.D. (d)
R001-L050-U4	1	0.1	1	4	50	4
R001-L050-U6	1	0.1	1	6	50	4
R001-L050-U8	1	0.1	1	8	50	4
R001-L050-U10	1	0.1	1	10	50	4
R001-L050-U12	1	0.1	1	12	50	4
R0015-L050-U6	1.5	0.15	1.5	6	50	4
R0015-L050-U8	1.5	0.15	1.5	8	50	4
R0015-L050-U12	1.5	0.15	1.5	12	50	4
R0015-L050-U16	1.5	0.15	1.5	16	50	4
R002-L050-U6	2	0.2	2	6	50	4
R002-L050-U10	2	0.2	2	10	50	4
R002-L050-U14	2	0.2	2	14	50	4
R002-L050-U16	2	0.2	2	16	50	4
R002-L050-U20	2	0.2	2	20	50	4
R003-L060-U10	3	0.3	4	10	60	6
R003-L060-U12	3	0.3	4	12	60	6
R003-L060-U16	3	0.3	4	16	60	6
R003-L060-U20	3	0.3	4	20	60	6
R005-L060-U12	4	0.5	5	12	60	6
R005-L060-U16	4	0.5	5	16	60	6
R005-L060-U20	4	0.5	5	20	60	6

HRC: 62±

Unit:mm



S2NUBL

2刃深溝圓鼻刀(加長)

2 Flute (Long Shank)
Corner Radius For Deep Machining

產品編號 Item no.	刃徑 ^{0-0.02} DIA. (D)	R角 ^{±0.01} Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 ^{H8} S.D. (d)
D1R02-U10L60	1	0.2	1.5	10	60	6
D1R02-U16L60	1	0.2	1.5	16	60	6
D1R02-U20L60	1	0.2	1.5	20	60	6
D2R02-U25L75	2	0.2	2	25	75	6
D2R02-U40L85	2	0.2	2	40	85	6
D2R05-U16L60	2	0.5	2	16	60	6
D2R05-U20L60	2	0.5	2	20	60	6
D2R05-U25L75	2	0.5	2	25	75	6
D4R02-U16L60	4	0.2	4	16	60	6
D4R02-U25L75	4	0.2	4	25	75	6
D4R02-U40L85	4	0.2	4	40	85	6
D4R05-U25L75	4	0.5	4	25	75	6
D4R05-U40L85	4	0.5	4	40	85	6
D4R10-U10L60	4	1.0	4	10	60	6
D4R10-U25L75	4	1.0	4	25	75	6
D6R05-U40L85	6	0.5	6	40	85	6
D6R10-U25L75	6	1.0	6	25	75	6
D6R10-U40L85	6	1.0	6	40	85	6
D8R05-U40L85	8	0.5	8	40	85	8
D8R10-U40L85	8	1.0	8	40	85	8

HRC: 62±

Unit:mm



S4NUB 4刃深溝圓鼻刀

4 Flute Corner Radius For Deep Machining

產品編號 Item no.	刃徑 ϕ -0.02 DIA. (D)	R角 ± 0.01 Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 ± 0.01 S.D. (d)
R005-L075-D4-U10	4	0.5	4	10	75	6
R005-L075-D4-U10d4	4	0.5	4	10	75	4
R005-L075-D5-U13	5	0.5	5	13	75	6
R010-L075-D5-U13	5	1.0	5	13	75	6
R005-L075-D6-U15	6	0.5	6	15	75	6
R005-L100-D8-U20	8	0.5	8	20	100	8
R010-L075-D6-U15	6	1.0	6	15	75	6
R010-L100-D8-U20	8	1.0	8	20	100	8
R020-L100-D10-U25	10	2.0	10	25	100	10
R010-L100-D10-U25	10	1.0	10	25	100	10
R010-L100-D12-U30	12	1.0	12	30	100	12
R020-L100-D12-U30	12	2.0	12	30	100	12

0.2 0.1 0.05 0.02 0.01 R HRC: 62±

Unit:mm



S2NKB 2刃底部加工專用

2 Flute High Feed Machining End Mill

產品編號 Item no.	刃徑 ϕ -0.02 DIA. (D)	R角 ± 0.01 Radius (R)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)	柄徑 ± 0.01 S.D. (d)
R004-L060-D3	3	0.4	2	15	60	4
R005-L060-D4	4	0.5	3	15	60	4
R006-L060-D5	5	0.6	4	30	60	6
R0075-L075-D6	6	0.75	5	30	75	6
R008-L075-D8	8	0.8	7	30	75	8

0.2 0.1 0.05 0.02 0.01 R HRC: 62±

Unit:mm

Special Tools



Working Condition S2NB加工條件/Supreme Corner Radius

Working material hardness	HRC45~52		HRC52~57		HRC58~65	
切削條件 刃徑(DIA)	Rotational speed	Feeding speed	Rotational speed	Feeding speed	Rotational speed	Feeding speed
	RPM	mm/min.	RPM	mm/min.	RPM	mm/min.
D2.0x0.1R	8820	630	6860	525	5040	350
D2.0x0.2R	8820	630	6860	525	5040	350
D2.0x0.3R	8820	630	6860	525	5040	350
D3.0x0.1R	6860	840	5740	735	5250	350
D3.0x0.2R	6860	840	5740	735	5250	350
D3.0x0.3R	6860	840	5740	735	5250	350
D4.0x0.2R	6510	735	5495	595	4760	350
D4.0x0.3R	6510	735	5495	595	4760	350
D2.0x0.5R	9100	630	7700	525	6440	420
D3.0x0.5R	6860	1050	5740	770	5250	350
D4.0x0.5R	6510	735	5495	595	4760	350
D6.0x0.5R	6160	1400	5040	1050	3220	525
D8.0x0.5R	3745	1190	3255	840	2695	574
D10.0x0.5R	2240	770	1890	665	1155	406
D12.0x0.5R	1540	665	1260	560	910	371
D3.0x1R	7889	1208	5601	886	6038	403
D4.0x1R	7487	846	6320	685	5474	403
D6.0x1R	7084	1610	5796	1208	3703	604
D8.0x1R	4307	1369	3744	966	3100	660
D10.0x1R	2576	886	2174	765	1329	467
D12.0x1R	1771	998	1449	644	1047	427
D6.0x1.5R	7392	1680	6048	1260	3864	630
D8.0x1.5R	4494	1428	3906	1008	3234	689
D10.0x1.5R	2688	924	2268	798	1386	487
D12.0x1.5R	1848	798	1512	672	1092	445
D6.0x2R	8088	1820	6552	1365	4186	683
D8.0x2R	4869	1547	4232	3504	3504	746
D10.0x2R	2912	1001	2457	1502	1502	528
D12.0x2R	2002	865	1638	1183	1183	482
D8.0x3R	5056	1607	4359	1134	3640	775
D10.0x3R	3024	1040	2552	898	1560	548
D12.0x3R	2079	898	1701	756	1229	501

Working Condition

S2KES加工條件/Supreme Square End Mill

Working material hardness	HRC45~52		HRC52~57		HRC58~65	
切削條件 刃徑(DIA)	Rotational speed	Feeding speed	Rotational speed	Feeding speed	Rotational speed	Feeding speed
	RPM	mm/min.	RPM	mm/min.	RPM	mm/min.
D1.0	11120	360	10400	320	8400	304
D2.0	10240	480	8920	464	7200	400
D3.0	7840	720	7200	640	6240	400
D4.0	7200	750	6800	600	5600	544
D5.0	7120	1040	6240	640	4400	480
D6.0	6560	960	6080	760	4000	440
D8.0	3600	1200	3200	960	2000	520
D10.0	2000	880	1600	720	1280	400
D12.0	2000	960	1600	800	960	360

Working Condition

S4NB加工條件/Supreme Four Flute Corner Radius

Working material hardness	HRC45~52		HRC52~57		HRC58~65	
切削條件 刃徑(DIA)	Rotational speed	Feeding speed	Rotational speed	Feeding speed	Rotational speed	Feeding speed
	RPM	mm/min.	RPM	mm/min.	RPM	mm/min.
D3.0x0.1R	4527	554	3788	485	3465	231
D3.0x0.2R	4527	554	3788	485	3465	231
D3.0x0.3R	4527	554	3788	485	3465	231
D4.0x0.3R	4296	485	3626	392	3141	231
D4.0x0.3R	4296	485	3626	392	3141	231
D2.0x0.5R	6006	415	5082	346	4250	277
D3.0x0.5R	4527	693	3788	508	3465	231
D4.0x0.5R	4296	485	3626	392	3141	231
D5.0x0.5R	4065	924	3326	693	2125	346
D6.0x0.5R	2471	785	2148	554	1778	378
D10.0x0.5R	1478	508	1247	438	762	268
D12.0x0.5R	1016	438	831	369	600	245
D3.0x1R	5206	797	4357	584	3985	266
D4.0x1R	4941	557	4171	452	3612	266
D6.0x1R	4675	1062	3825	797	2444	398
D8.0x1R	2842	903	2470	638	2046	398
D10.0x1R	1700	584	1431	504	876	308
D12.0x1R	1169	658	955	424	690	284
D6.0x1.5R	4878	1108	3991	831	2546	415
D8.0x1.5R	2965	842	2578	665	2134	454
D10.0x1.5R	1774	509	1479	526	915	321
D12.0x1.5R	1219	525	997	443	720	293
D6.0x2R	5285	1201	4324	900	2763	451
D8.0x2R	3213	1020	2792	2312	2312	492
D10.0x2R	1921	661	1621	991	991	384
D12.0x2R	1321	570	1081	781	781	317
D8.0x3R	3337	1060	2900	748	2402	511
D10.0x3R	1995	686	1684	592	1029	361
D12.0x3R	1371	592	1123	499	810	331

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Accu-Cut Industrial Co., Ltd.

CNC 鑽頭系列



2DMS



CNC Drill Series

2刃多功能
CNC専用鑽銑刀
2 Flute CNC Drill
End Mill





2DMS 2刃多功能CNC專用鑽銑刀 (A6/A9/A12)

2 Flute CNC Drill End Mill

D4-D6: 0 - -0.02
D16-D20: 0 - -0.03

產品編號 Item no.	刃徑 _{h=+0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{h6} S.D. (d)
D040-L050	4	8	50	4
D050-L060	5	15	50	6
D060-L060	6	15	60	6
D080-L060	8	20	60	8
D100-L075	10	25	75	10
D120-L075	12	25	75	12
D140-L100	14	25	100	14
D160-L100	16	25	100	16
D200-L100	20	30	100	20
D200-L150	20	30	150	20

HRC:45~62

Unit:mm



2DMS-B 2刃中心鑽 (雙頭)

2 Flute Center Drill End Mill (Two Headed)

產品編號 Item no.	刃徑 _{h=+0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{h6} S.D. (d)	角度 Angle
D010-L050A6B	1	2	50	4	60
D010-L050A9B	1	2	50	4	90
D015-L050A6B	1.5	2	50	4	60
D015-L050A9B	1.5	2	50	4	90
D020-L050A6B	2	3	50	4	60
D020-L050A9B	2	3	50	4	90
D025-L050A6B	2.5	3	50	4	60
D025-L050A9B	2.5	3	50	4	90
D030-L050A6B	3	4	50	4	60
D030-L050A9B	3	4	50	4	90
D040-L050A6B	4	5	50	4	60
D040-L050A9B	4	5	50	4	90

HRC:45~62

Unit:mm



2CTC 2刃中心鑽

2 Flute Center Spot And Chamfer

產品編號 Item no.	刃徑 _{h=0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{h6} S.D. (d)	角度 Angle
D030-L050A6	3	10	50	3	60
D040-L050A6	4	12	50	4	60
D050-L050A6	5	15	50	5	60
D060-L050A6	6	20	50	6	60
D070-L050A6	7	20	50	7	60
D080-L060A6	8	20	60	8	60
D100-L075A6	10	22	75	10	60
D120-L075A6	12	25	75	12	60

0.4 μm MG 12 60° HRC:45~62

Unit:mm



2CTC 2刃中心鑽

2 Flute Center Spot And Chamfer

產品編號 Item no.	刃徑 _{h=0.02} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{h6} S.D. (d)	角度 Angle
D030-L050A9	3	10	50	3	90
D040-L050A9	4	12	50	4	90
D050-L050A9	5	15	50	5	90
D060-L050A9	6	20	50	6	90
D070-L050A9	7	20	50	7	90
D080-L060A9	8	20	60	8	90
D100-L075A9	10	22	75	10	90
D120-L075A9	12	25	75	12	90

0.4 μm MG 12 60° HRC:45~62

Unit:mm



2CTC 2刃中心鑽

2 Flute Center Spot And Chamfer

產品編號 Item no.	刃徑 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 S.D. (d)	角度 Angle
D030-L050A12	3	10	50	3	120
D040-L050A12	4	12	50	4	120
D050-L050A12	5	15	50	5	120
D060-L050A12	6	20	50	6	120
D070-L050A12	7	20	50	7	120
D080-L060A12	8	20	60	8	120
D100-L075A12	10	22	75	10	120
D120-L075A12	12	25	75	12	120

0.4 0.4 0.4 0.4 HRC:45~62

Unit:mm



SAWC 全鈎鋼鋸片 CARBIDE SAW

外徑 Outside Dia(D)	20	25	35	40	45	50	60	75	85	100	125
孔徑 Hole Dia(d)	6	6	8	8	12.7	12.7	12.7	25.4	25.4	25.4	25.4
厚度 Thickness(T)	Z齒數 Teeth Number(Z)										
0.3	30	30	40	40	40						
0.4	30	30	40	40	40						
0.5	30	30	40	40	40	54	64				
0.6	30	30	40	40	40	54	64	64	64	72	86
0.7	30	30	40	40	40	54	64	64	64	72	86
0.8	30	30	40	40	40	54	64	64	64	72	86
0.9	30	30	40	40	40	54	64	64	64	72	86
1	30	30	40	40	40	54	64	64	64	72	86
1.2	30	30	40	40	40	54	64	64	64	72	86
1.4	30	30	40	40	40	54	64	64	64	72	86
1.6	30	30	40	40	40	54	64	64	64	72	86
1.8	30	30	40	40	40	54	64	64	64	72	86
2	30	30	40	40	40	54	64	64	64	72	86

Unit:mm



2DRS 鈨鋼鑽頭

Solid Carbide Drill

產品編號 Item no.	刃徑 _{0-0.01} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)
2DRS010026	1.0	6	26
2DRS011028	1.1	7	28
2DRS012030	1.2	8	30
2DRS013030	1.3	8	30
2DRS014032	1.4	9	32
2DRS015032	1.5	9	32
2DRS016034	1.6	10	34
2DRS017034	1.7	10	34
2DRS018036	1.8	11	36
2DRS019036	1.9	11	36
2DRS020038	2.0	12	38
2DRS021038	2.1	12	38
2DRS022040	2.2	13	40
2DRS023040	2.3	13	40
2DRS024043	2.4	14	43
2DRS025043	2.5	14	43
2DRS026043	2.6	14	43
2DRS027046	2.7	14	46
2DRS028046	2.8	16	46
2DRS029046	2.9	16	46
2DRS030046	3.0	16	46
2DRS031049	3.1	18	49
2DRS032049	3.2	18	49
2DRS033049	3.3	18	49
2DRS034052	3.4	20	52
2DRS035052	3.5	20	52
2DRS036052	3.6	20	52
2DRS037052	3.7	20	52
2DRS038055	3.8	22	55
2DRS039055	3.9	22	55
2DRS040055	4.0	22	55
2DRS041055	4.1	22	55
2DRS042055	4.2	22	55
2DRS043058	4.3	24	58
2DRS044058	4.4	24	58
2DRS045058	4.5	24	58
2DRS046058	4.6	24	58
2DRS047058	4.7	24	58

Unit:mm



2DRS 鈨鋼鑽頭

Solid Carbide Drill

產品編號 Item no.	刃徑 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)
2DRS048062	4.8	26	62
2DRS049062	4.9	26	62
2DRS050062	5.0	26	62
2DRS051062	5.1	26	62
2DRS052065	5.2	26	65
2DRS053065	5.3	26	65
2DRS054066	5.4	28	66
2DRS055066	5.5	28	66
2DRS056066	5.6	28	66
2DRS057066	5.7	28	66
2DRS058066	5.8	28	66
2DRS059066	5.9	28	66
2DRS060066	6.0	31	66
2DRS061070	6.1	31	70
2DRS062070	6.2	31	70
2DRS063070	6.3	31	70
2DRS064070	6.4	31	70
2DRS065070	6.5	31	70
2DRS066070	6.6	31	70
2DRS067070	6.7	31	70
2DRS068074	6.8	34	74
2DRS069074	6.9	34	74
2DRS070074	7.0	34	74
2DRS071074	7.1	34	74
2DRS072074	7.2	34	74
2DRS073074	7.3	34	74
2DRS074074	7.4	34	74
2DRS075074	7.5	34	74
2DRS076079	7.6	37	79
2DRS077079	7.7	37	79
2DRS078079	7.8	37	79
2DRS079079	7.9	37	79
2DRS080079	8.0	37	79
2DRS081079	8.1	37	79
2DRS082079	8.2	37	79
2DRS083079	8.3	37	79
2DRS084079	8.4	37	79
2DRS085079	8.5	37	79

Unit:mm



2DRS 鈨鋼鑽頭

Solid Carbide Drill

產品編號 Item no.	刃徑 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)
2DRS086084	8.6	40	84
2DRS087084	8.7	40	84
2DRS088084	8.8	40	84
2DRS089084	8.9	40	84
2DRS090084	9.0	40	84
2DRS091084	9.1	40	84
2DRS092084	9.2	40	84
2DRS093084	9.3	40	84
2DRS094084	9.4	40	84
2DRS095084	9.5	40	84
2DRS096089	9.6	43	89
2DRS097089	9.7	43	89
2DRS098089	9.8	43	89
2DRS099089	9.9	43	89
2DRS100089	10.0	43	89
2DRS101089	10.1	43	89
2DRS102089	10.2	43	89
2DRS103089	10.3	43	89
2DRS104089	10.4	43	89
2DRS105089	10.5	43	89
2DRS106089	10.6	43	89
2DRS107089	10.7	43	89
2DRS108089	10.8	43	89
2DRS109089	10.9	43	89
2DRS110089	11.0	43	89
2DRS111095	11.1	47	95
2DRS112095	11.2	47	95
2DRS113095	11.3	47	95
2DRS114095	11.4	47	95
2DRS115095	11.5	47	95
2DRS116095	11.6	47	95
2DRS117095	11.7	47	95
2DRS118095	11.8	47	95
2DRS119095	11.9	47	95
2DRS120095	12.0	47	95
2DRS121102	12.1	51	102
2DRS122102	12.2	51	102
2DRS123102	12.3	51	102

Unit:mm

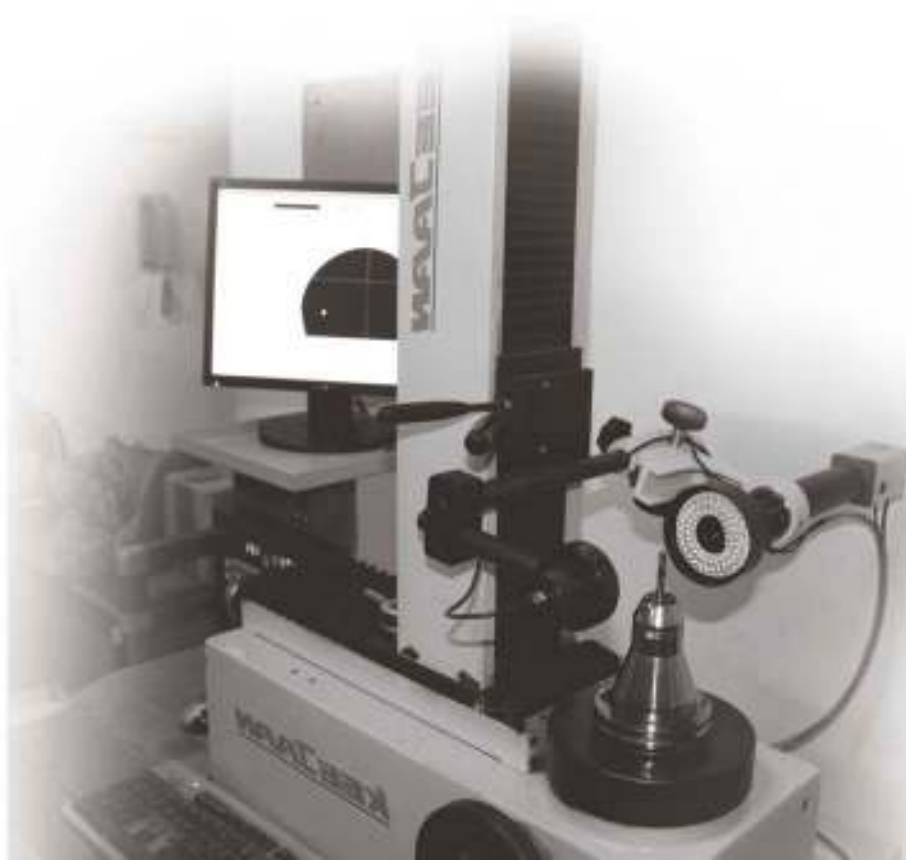


2DRS 鈨鋼鑽頭

Solid Carbide Drill

產品編號 Item no.	刃徑 DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)
2DRS124102	12.4	51	102
2DRS125102	12.5	51	102
2DRS126102	12.6	51	102
2DRS127102	12.7	51	102
2DRS128102	12.8	51	102
2DRS129102	12.9	51	102
2DRS130102	13.0	51	102
2DRS131102	13.1	51	102
2DRS132102	13.2	51	102
2DRS133102	13.3	51	102
2DRS134102	13.4	51	102
2DRS135102	13.5	51	102
2DRS136102	13.6	51	102
2DRS137102	13.7	51	102
2DRS138102	13.8	51	102
2DRS139102	13.9	51	102
2DRS140102	14.0	51	102

Unit:mm



we always offer you best
solution on your working material.
Choose us means choose to be satisfied.





2DRSD 鎢鋼鑽頭

Solid Carbide Drill

產品編號 Item no.	刃徑 _{ϕ-0.01} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{ϕ} S.D. (d)
2DRSD010038	1.0	6	38	3
2DRSD011038	1.1	7	38	3
2DRSD012038	1.2	8	38	3
2DRSD013038	1.3	8	38	3
2DRSD014038	1.4	9	38	3
2DRSD015038	1.5	9	38	3
2DRSD016038	1.6	10	38	3
2DRSD017038	1.7	10	38	3
2DRSD018038	1.8	11	38	3
2DRSD019038	1.9	11	38	3
2DRSD020038	2.0	12	38	3
2DRSD021050	2.1	12	50	3
2DRSD022050	2.2	13	50	3
2DRSD023050	2.3	13	50	3
2DRSD024050	2.4	14	50	3
2DRSD025050	2.5	14	50	3
2DRSD026050	2.6	14	50	3
2DRSD027050	2.7	14	50	3
2DRSD028050	2.8	16	50	3
2DRSD029050	2.9	16	50	3
2DRSD030050	3.0	16	50	3
2DRSD031060	3.1	18	60	4
2DRSD032060	3.2	18	60	4
2DRSD033060	3.3	18	60	4
2DRSD034060	3.4	20	60	4
2DRSD035060	3.5	20	60	4
2DRSD036060	3.6	20	60	4

Unit:mm



2DRSD 鈨鋼鑽頭

Solid Carbide Drill

產品編號 Item no.	刃徑 _{0⁻-0.01} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{H8} S.D. (d)
2DRSD037060	3.7	20	60	4
2DRSD038060	3.8	22	60	4
2DRSD039060	3.9	22	60	4
2DRSD040060	4.0	22	60	4
2DRSD041060	4.1	22	60	6
2DRSD042060	4.2	22	60	6
2DRSD043060	4.3	24	60	6
2DRSD044060	4.4	24	60	6
2DRSD045060	4.5	24	60	6
2DRSD046060	4.6	24	60	6
2DRSD047060	4.7	24	60	6
2DRSD048060	4.8	26	60	6
2DRSD049060	4.9	26	60	6
2DRSD050060	5.0	26	60	6
2DRSD051060	5.1	26	60	6
2DRSD052060	5.2	26	60	6
2DRSD053060	5.3	26	60	6
2DRSD054060	5.4	28	60	6
2DRSD055060	5.5	28	60	6
2DRSD056060	5.6	28	60	6
2DRSD057060	5.7	28	60	6
2DRSD058060	5.8	28	60	6
2DRSD059060	5.9	28	60	6
2DRSD060060	6.0	28	60	6

Unit:mm



2DRSE 鈨鋼鑽頭

Solid Carbide Drill

產品編號 Item no.	刃徑 ^φ DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ^φ S.D. (d)
2DRSE015047	1.5	10	47	4
2DRSE016047	1.6	10	47	4
2DRSE017047	1.7	10	47	4
2DRSE018047	1.8	12	47	4
2DRSE019047	1.9	12	47	4
2DRSE020055	2.0	15	55	4
2DRSE021055	2.1	15	55	4
2DRSE022055	2.2	15	55	4
2DRSE023055	2.3	15	55	4
2DRSE024055	2.4	15	55	4
2DRSE025055	2.5	15	55	4
2DRSE026055	2.6	18	55	4
2DRSE027055	2.7	18	55	4
2DRSE028055	2.8	18	55	4
2DRSE029055	2.9	18	55	4
2DRSE030062	3.0	20	62	4
2DRSE031062	3.1	20	62	4
2DRSE032062	3.2	20	62	4
2DRSE033062	3.3	20	62	4
2DRSE034062	3.4	20	62	4
2DRSE035062	3.5	20	62	4
2DRSE036062	3.6	20	62	6
2DRSE037062	3.7	20	62	6
2DRSE038062	3.8	20	62	6
2DRSE039062	3.9	20	62	6
2DRSE040066	4.0	24	66	6
2DRSE041066	4.1	24	66	6
2DRSE042066	4.2	24	66	6
2DRSE043066	4.3	24	66	6
2DRSE044066	4.4	24	66	6
2DRSE045066	4.5	24	66	6
2DRSE046066	4.6	24	66	6

Unit:mm



2DRSE 鎢鋼鑽頭

Solid Carbide Drill

產品編號 Item no.	刃徑 _{±0.01} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 _{±0.01} S.D. (d)
2DRSE047066	4.7	28	66	6
2DRSE048066	4.8	28	66	6
2DRSE049066	4.9	28	66	6
2DRSE050066	5.0	28	66	6
2DRSE051066	5.1	28	66	6
2DRSE052066	5.2	28	66	6
2DRSE053066	5.3	28	66	6
2DRSE054066	5.4	28	66	6
2DRSE055066	5.5	28	66	8
2DRSE056066	5.6	28	66	8
2DRSE057066	5.7	28	66	8
2DRSE058066	5.8	28	66	8
2DRSE059066	5.9	28	66	8
2DRSE060066	6.0	28	66	8
2DRSE061079	6.1	34	79	8
2DRSE062079	6.2	34	79	8
2DRSE063079	6.3	34	79	8
2DRSE064079	6.4	34	79	8
2DRSE065079	6.5	34	79	8
2DRSE066079	6.6	34	79	8
2DRSE067079	6.7	34	79	8
2DRSE068079	6.8	34	79	8
2DRSE069079	6.9	34	79	8
2DRSE070079	7.0	34	79	8
2DRSE071079	7.1	41	79	8
2DRSE072079	7.2	41	79	8
2DRSE073079	7.3	41	79	8
2DRSE074079	7.4	41	79	8
2DRSE075079	7.5	41	79	8
2DRSE076079	7.6	41	79	8
2DRSE077079	7.7	41	79	8
2DRSE078079	7.8	41	79	8

Unit:mm



2DRSE 鈨鋼鑽頭

Solid Carbide Drill

產品編號 Item no.	刃徑 ^{mm} DIA. (D)	刃長 F.L. (H)	全長 O.V.L. (L)	柄徑 ^{mm} S.D. (d)
2DRSE079079	7.9	41	79	8
2DRSE080079	8.0	41	79	8
2DRSE081089	8.1	47	89	10
2DRSE082089	8.2	47	89	10
2DRSE083089	8.3	47	89	10
2DRSE084089	8.4	47	89	10
2DRSE085089	8.5	47	89	10
2DRSE086089	8.6	47	89	10
2DRSE087089	8.7	47	89	10
2DRSE088089	8.8	47	89	10
2DRSE089089	8.9	47	89	10
2DRSE090089	9.0	47	89	10
2DRSE091089	9.1	47	89	10
2DRSE092089	9.2	47	89	10
2DRSE093089	9.3	47	89	10
2DRSE094089	9.4	47	89	10
2DRSE095089	9.5	47	89	10
2DRSE096089	9.6	47	89	10
2DRSE097089	9.7	47	89	10
2DRSE098089	9.8	47	89	10
2DRSE099089	9.9	47	89	10
2DRSE100089	10.0	47	89	10
2DRSE101102	10.1	55	102	12
2DRSE102102	10.2	55	102	12
2DRSE103102	10.3	55	102	12
2DRSE104102	10.4	55	102	12
2DRSE105102	10.5	55	102	12
2DRSE106102	10.6	55	102	12
2DRSE107102	10.7	55	102	12
2DRSE108102	10.8	55	102	12
2DRSE109102	10.9	55	102	12
2DRSE110102	11.0	55	102	12

Unit:mm



SSR 機械絞刀 Carbide Reamer

產品編號 Item no.	刃數 FLUTE	刃徑 _{mm} DIA. (D)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)
4SSR01036	4	1.0	5.5	14	36
4SSR011036	4	1.1	6.5	14	36
4SSR012036	4	1.2	7.5	14	36
4SSR013036	4	1.3	7.5	14	36
4SSR014043	4	1.4	8	16	43
4SSR015043	4	1.5	8	16	43
4SSR016043	4	1.6	9	16	43
4SSR017043	4	1.7	9	16	43
4SSR018049	4	1.8	10	20	49
4SSR019049	4	1.9	10	20	49
4SSR020049	4	2.0	11	22	49
4SSR021049	4	2.1	14	28	49
4SSR022057	4	2.1	14	28	57
4SSR023057	4	2.3	14	28	57
4SSR024057	4	2.4	14	28	57
4SSR025057	4	2.5	14	28	57
4SSR026057	4	2.6	14	28	57
4SSR027061	4	2.7	15	30	61
4SSR028061	4	2.8	15	30	61
4SSR029061	4	2.9	15	30	61
4SSR030061	4	3.0	15	30	61
4SSR031065	4	3.1	16	33	65
4SSR032065	4	3.2	16	33	65
4SSR033065	4	3.3	16	33	65
4SSR034070	4	3.4	18	39	70
4SSR035070	4	3.5	18	39	70
4SSR036070	4	3.6	18	39	70
4SSR037070	4	3.7	18	39	70
4SSR038070	4	3.8	18	39	70
4SSR039075	4	3.9	19	44	75
6SSR040075	6	4.0	19	44	75
6SSR041075	6	4.1	19	44	75
6SSR042075	6	4.2	19	44	75
6SSR043080	6	4.3	21	49	80
6SSR044080	6	4.4	21	49	80
6SSR045080	6	4.5	21	49	80
6SSR046080	6	4.6	21	49	80
6SSR047080	6	4.7	21	49	80
6SSR048086	6	4.8	23	55	86

Unit:mm



SSR 機械絞刀

Carbide Reamer

產品編號 Item no.	刃數 FLUTE	刃徑 _{mm} DIA. (D)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)
6SSR049086	6	4.9	23	55	86
6SSR050086	6	5.0	23	55	86
6SSR051086	6	5.1	23	55	86
6SSR052086	6	5.2	23	55	86
6SSR053086	6	5.3	23	61	86
6SSR054093	6	5.4	26	61	93
6SSR055093	6	5.5	26	61	93
6SSR056093	6	5.6	26	61	93
6SSR057093	6	5.7	26	61	93
6SSR058093	6	5.8	26	61	93
6SSR059093	6	5.9	26	61	93
6SSR060093	6	6.0	26	61	93
6SSR061101	6	6.1	28	70	101
6SSR062101	6	6.2	28	70	101
6SSR063101	6	6.3	28	70	101
6SSR064101	6	6.4	28	70	101
6SSR065101	6	6.5	28	70	101
6SSR066101	6	6.6	28	70	101
6SSR067101	6	6.7	28	70	101
6SSR068109	6	6.8	31	77	109
6SSR069109	6	6.9	31	77	109
6SSR070109	6	7.0	31	77	109
6SSR071109	6	7.1	31	77	109
6SSR072109	6	7.2	31	77	109
6SSR073109	6	7.3	31	77	109
6SSR074109	6	7.4	31	77	109
6SSR075109	6	7.5	31	77	109
6SSR076109	6	7.6	31	77	109
6SSR077117	6	7.7	33	80	117
6SSR078117	6	7.8	33	80	117
6SSR079117	6	7.9	33	80	117
6SSR080117	6	8.0	33	80	117
6SSR081117	6	8.1	33	80	117
6SSR082117	6	8.2	33	80	117
6SSR083117	6	8.3	33	80	117
6SSR084117	6	8.4	33	80	117
6SSR085117	6	8.5	33	80	117
6SSR086117	6	8.6	33	80	117
6SSR087125	6	8.7	36	90	125

Unit:mm



SSR 機械絞刀 Carbide Reamer

產品編號 Item no.	刃數 FLUTE	刃徑 _{mm} DIA. (D)	刃長 F.L. (H)	頸長 N.L. (U)	全長 O.V.L. (L)
6SSR088125	6	8.8	36	90	125
6SSR089125	6	8.9	36	90	125
6SSR090125	6	9.0	36	90	125
6SSR091125	6	9.1	36	90	125
6SSR092125	6	9.2	36	90	125
6SSR093125	6	9.3	36	90	125
6SSR094125	6	9.4	36	90	125
6SSR095125	6	9.5	36	90	125
6SSR096125	6	9.6	36	90	125
6SSR097133	6	9.7	38	95	133
6SSR098133	6	9.8	38	95	133
6SSR099133	6	9.9	38	95	133
6SSR100133	6	10.0	38	95	133
6SSR101133	6	10.1	38	95	133
6SSR102133	6	10.2	38	95	133
6SSR103133	6	10.3	38	95	133
6SSR104133	6	10.4	38	95	133
6SSR105133	6	10.5	38	95	133
6SSR106133	6	10.6	38	95	133
6SSR107142	6	10.7	41	105	142
6SSR108142	6	10.8	41	105	142
6SSR109142	6	10.9	41	105	142
6SSR110142	6	11.0	41	105	142
6SSR111142	6	11.1	41	105	142
6SSR112142	6	11.2	41	105	142
6SSR113142	6	11.3	41	105	142
6SSR114142	6	11.4	41	105	142
6SSR115142	6	11.5	41	105	142
6SSR116142	6	11.6	41	105	142
6SSR117142	6	11.7	41	105	142
6SSR118142	6	11.8	41	105	142
6SSR119151	6	11.9	44	115	151
6SSR120151	6	12.0	44	115	151
6SSR121151	6	12.1	44	115	151
6SSR122151	6	12.2	44	115	151
6SSR123151	6	12.3	44	115	151
6SSR124151	6	12.4	44	115	151
6SSR125151	6	12.5	44	115	151
6SSR126151	6	12.6	44	115	151
6SSR127151	6	12.7	44	115	151
6SSR128151	6	12.8	44	115	151
6SSR129151	6	12.9	44	115	151
6SSR130151	6	13.0	44	115	151

Unit:mm