

S+A

佑宜昌工業
U-YICHANG

優異切削能力！降低成本！

Superior Cutting Capacity !

Lower Cost of Cut !



HSS小徑槽鋸片
全鎢鋼金屬圓鋸片
側銑刀系列
HSS 圓鋸片
T 型銑刀系列
刀桿

HSS SLITTING SAWBLADE
CARBIDE SLITTING SAWBLADE
HSS & CARBIDE MILLING CUTTER
HSS CIRCULAR SAWBLADE
T SLOT CUTTERS
TOOL ARBORS

全鎢鋼金屬圓鋸片

CARBIDE SLITTING SAWBLADE

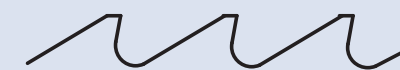
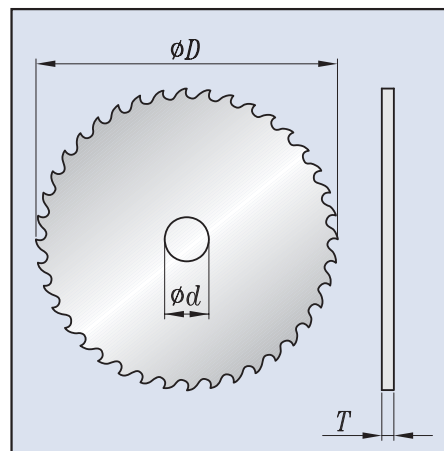


超微粒子超硬材質

MICRO GRAIN CARBIDE MATERIAL

全系列高效能鋸片

A Wide Range of Quality Sawblades



A 型齒
A Tooth Shape

適用於合金鋼，鐵材，主要用來剖溝
壽命較長，減少摩擦力，適合較硬材質。

For processing trench
Strength- Life-span is relatively long, reducing drag. It is used for all type of steel and alloys.



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B 型齒
B Tooth Shape

適用於鐵管加工剖溝如膨脹螺絲類，也可以用來切實心棒材及鐵管

For cutting processing ,B tooth shape is suitable for cutting solid bar, square tube and expansion anchor processing .

全鎢鋼金屬圓鋸片(適用溝槽加工)

CARBIDE SLITTING SAWBLADE
(Applicable for slot machining)

外徑(D)/Outside Dia (D)	20	25	35	40	45	50	60	75	85	100	125
孔徑(d)/Hole Dia (d)	6	6	8	8	12.7	12.7	12.7	25.4	25.4	25.4	25.4
厚度(T)/Thickness (T)	Z齒數 / Teeth Number (Z)										
0.30	30	30	40	40	40						
0.40	30	30	40	40	40						
0.50	30	30	40	40	40	54	64				
0.60	30	30	40	40	40	54	64	64	64	72	72
0.70	30	30	40	40	40	54	64	64	64	72	72
0.80	30	30	40	40	40	54	64	64	64	72	72
0.90	30	30	40	40	40	54	64	64	64	72	72
1.00	30	30	40	40	40	54	64	64	64	72	72
1.20	30	30	40	40	40	54	64	64	64	72	72
1.40	30	30	40	40	40	54	64	64	64	72	72
1.60	30	30	40	40	40	54	64	64	64	72	72
1.80	30	30	40	40	40	54	64	64	64	72	72
2.00	30	30	40	40	40	54	64	64	64	72	72
2.50	特殊規格外徑、孔徑、齒數、齒型、厚度可接受訂製。 Custom outside diameter, hole diameter, teeth number, tooth shape, and blade thickness are available upon request.										
3.00											
3.50											
4.00											

全鎢鋼圓鋸片(適用CNC自動車床)

CARBIDE SLITTING SAWBLADE
(Applicable for CNC automatic lathe)

外徑(D)/Outside Dia (D)	20	25	35	40	45	50	60	75	85	100	125
孔徑(d)/Hole Dia (d)	6	6	8	8	12.7	12.7	12.7	25.4	25.4	25.4	25.4
厚度(T)/Thickness (T)	Z齒數 / Teeth Number (Z)										
0.30	50	50	72	72	80						
0.40	50	50	72	72	80						
0.50	50	50	72	72	80	80	90				
0.60	50	50	72	72	80	80	90	120	120	120	120
0.70	50	50	72	72	80	80	90	120	120	120	120
0.80	50	50	72	72	80	80	90	120	120	120	120
0.90	50	50	72	72	80	80	90	120	120	120	120
1.00	50	50	72	72	80	80	90	120	120	120	120
1.20	50	50	72	72	80	80	90	120	120	120	120
1.40	50	50	72	72	80	80	90	120	120	120	120
1.60	50	50	72	72	80	80	90	120	120	120	120
1.80	50	50	72	72	80	80	90	120	120	120	120
2.00	50	50	72	72	80	80	90	120	120	120	120
2.50	特殊規格外徑、孔徑、齒數、齒型、厚度可接受訂製。 Custom outside diameter, hole diameter, teeth number, tooth shape, and blade thickness are available upon request.										
3.00											
3.50											
4.00											

備註：孔徑英制、美制規格可接受訂購。 NOTE: Hole diameter in metric or inch size may be specified.

全鎢鋼鋸片溝槽型加工參考指數 / RECOMMENDED SLOT MACHINING DATA CARBIDE SLITTING SAWBLADE

工件材質	碳鋼 / Carbon Steel		特殊鋼 / Special Steel		鋁合金 / Aluminum Alloy		銅合金 / Copper Alloy		鑄鐵 / Cast Iron	
Workpiece Matl	HRC30下 / Under HRC30		HRC30 ~ 40		2024AC8A		C2600B.BC		FC15.25	
切削速度 / Cutting Rate	60 m/min		45 m/min		150 m/min		2000 m/min		60 m/min	
外徑(D)/Outside Dia (D)	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min
20	900	450	710	350	2300	1150	3100	1550	900	450
25	760	380	570	285	1910	955	2500	1250	760	380
35	540	360	400	266	1360	906	1800	1200	540	360
40	470	310	350	233	1190	793	1590	1060	470	310
50	380	340	280	252	950	855	1250	1125	380	340
60	310	330	230	245	795	840	1060	1130	310	330
75	250	260	190	202	630	670	840	890	250	260
85	220	230	160	170	560	597	740	780	220	230
100	190	220	140	160	470	540	630	730	190	220
125	150	210	110	150	380	540	500	710	150	210

全鎢鋼鋸片CNC自動車床型加工參考指數

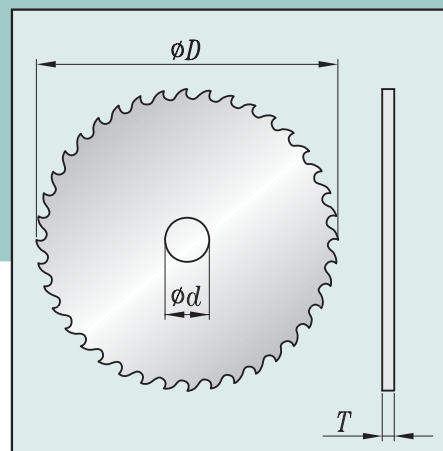
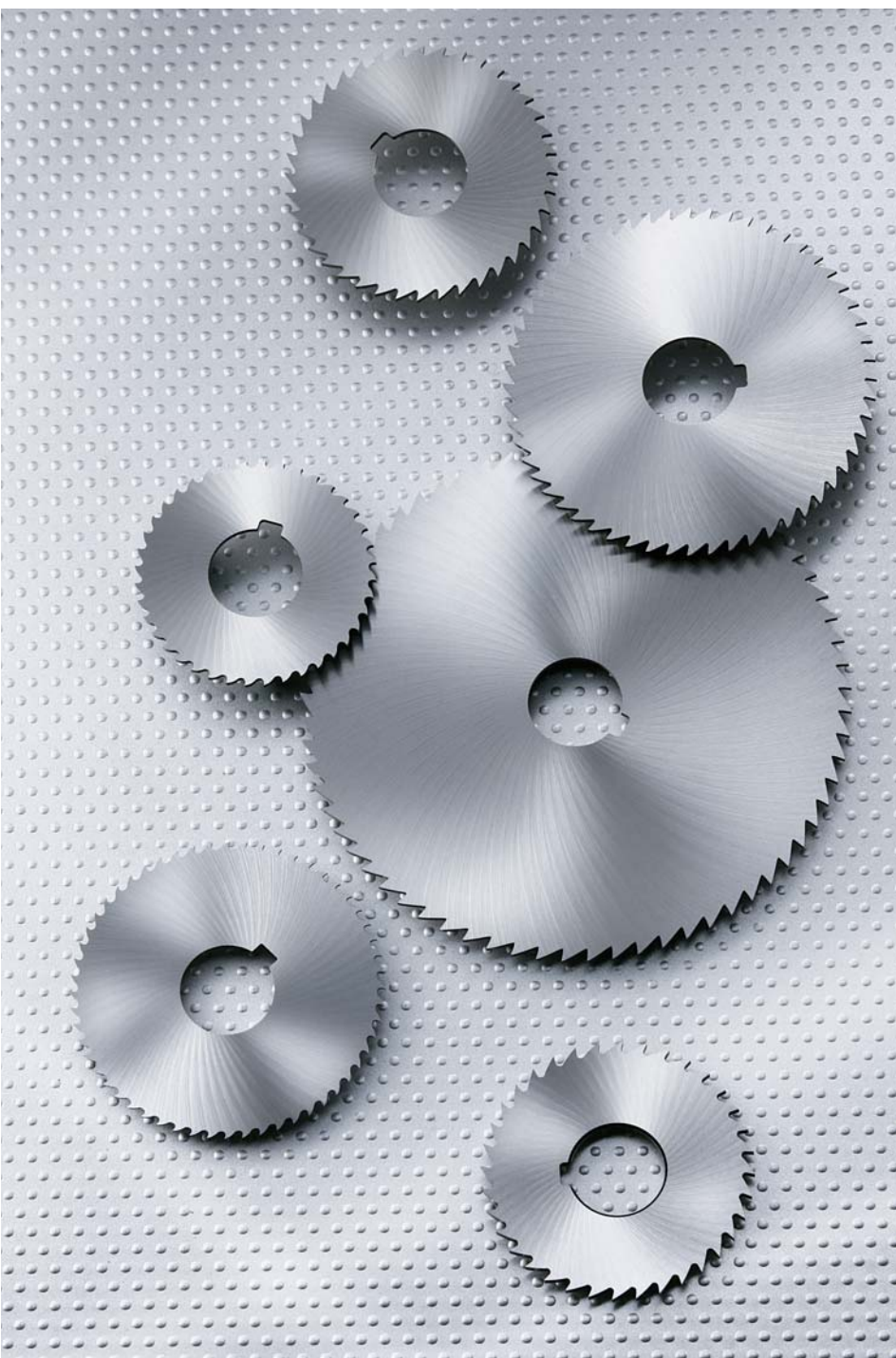
RECOMMENDED MACHINING DATA OF CNC AUTOMATIC LATHE FOR CARBIDE SLITTING SAWBLADE

外徑(D)/Outside Dia (D)	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min
20	900	810	710	630	2300	2050	3100	2700	900	810
25	760	680	570	510	1910	1700	2500	2250	760	680
35	540	680	400	500	1360	1700	1800	2250	540	680
40	470	620	350	460	1190	1580	1590	2100	470	620
50	380	630	280	460	950	1550	1250	2050	380	630
60	310	620	230	460	795	1590	1060	2100	310	620
75	250	625	190	475	630	1575	840	2100	250	625
85	220	580	160	420	560	1490	740	1950	220	580
100	190	570	140	420	470	1410	630	1850	190	570
125	150	500	110	360	380	1260	500	1660	150	500

• Specifications and design characteristics are subject to change without prior notice.
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HSS 小徑槽鋸片

HSS SLITTING SAWBLADE



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HSS 小徑溝槽圓鋸片

HSS SLITTING SAWBLADE

外徑(D)/Outside Dia (D)	45	50	75	100	125	150
孔徑(d)/Hole Dia (d)	12.7	12.7	25.4	25.4	25.4	25.4
厚度(T)/Thickness (T)	齒數(Z) / Teeth Number (Z)					
0.40	54	54				
0.50	54	54	64	72	86	
0.60	54	54	64	72	86	
0.70	54	54	64	72	86	100
0.80	54	54	64	72	86	100
0.90	54	54	64	72	86	100
1.00	54	54	64	72	86	100
1.10	54	54	64	72	86	100
1.20	54	54	64	72	86	100
1.30	54	54	64	72	86	100
1.40	54	54	64	72	86	100
1.50	54	54	64	72	86	100
1.60	54	54	64	72	86	100
1.70	54	54	64	72	86	100
1.80	54	54	64	72	86	100
1.90	54	54	64	72	86	100
2.00	54	54	64	72	86	100
2.10	54	54	64	72	86	100
2.20	54	54	64	72	86	100
2.30	54	54	64	72	86	100
2.40	54	54	64	72	86	100
2.50	54	54	54	54	56	72
2.60	54	54	54	54	56	72
2.70	54	54	54	54	56	72
3.00	54	54	54	54	56	72
3.50	54	54	54	54	56	72
4.00	54	54	54	54	56	72

備註：孔徑英制、美制規格可接受訂購。
NOTE: Hole diameter in metric or inch size may be specified.

HSS 小徑槽鋸片加工參考指數 / RECOMMENDED MACHINING DATA FOR SMALL DIAMETER HSS SLITTING SAWBLADE

工件材質 Workpiece Mat'l	鑄造 碳鋼 / Casting Carbon Steel		特殊鋼 / Special Steel 工具鋼 / Tool Steel 不鏽鋼 / Stainless Steel		可鍛鑄鐵 / Forging Cast Iron 可鍛鑄銅 / Forging Cast Copper		銅合金 / Copper Alloy		鋁合金 / Aluminum Alloy	
	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min	轉速 / Speed RPM	進給 / Feed mm/min
切削速度 / Cutting Rate	27 ~ 35 m/min		17 ~ 25 m/min		20 ~ 25 m/min		50 ~ 115 m/min		120 ~ 240 m/min	
外徑(D)/Outside Dia.(D)	212	270 ~ 400	141	180 ~ 260	141	180 ~ 260	425	540 ~ 720	851	100 ~ 1300
45	191	244 ~ 310	127	162 ~ 180	127	162 ~ 180	382	488 ~ 560	764	977 ~ 110
50	127	162 ~ 185	85	108 ~ 125	85	108 ~ 125	255	326 ~ 460	510	652 ~ 750
75	95	136 ~ 150	63	90 ~ 110	63	90 ~ 110	191	275 ~ 350	382	550 ~ 670
100	76	130 ~ 145	51	87 ~ 105	51	87 ~ 105	153	263 ~ 310	306	526 ~ 650
125	63	126 ~ 135	42	84 ~ 96	42	84 ~ 96	127	254 ~ 290	254	508 ~ 580
150										

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T 型銑刀系列
T-SLOT MILLING CUTTERS

捨棄式鎢鋼T型銑刀
INDEXABLE INSERT
CARBIDE MILLING
CUTTER



斜刃
BEVEL EDGE



直刃
STRAIGHT

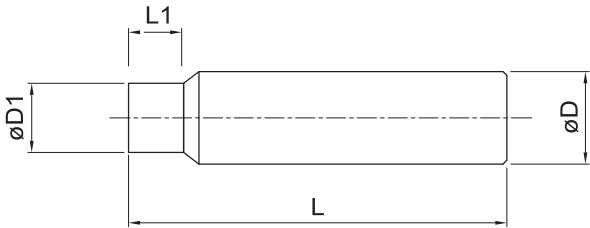


千鳥刃
STAGGERED

刀桿規格 DIMENSION OF TOOL ARBOR

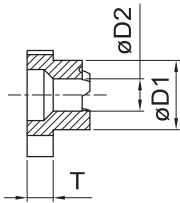
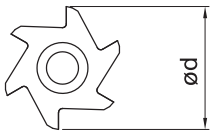


單位 Unit : mm



直徑 (D)	直徑 (D1)	(L1)	全長(L) Overall Length(L)
12	8	12	100
12	9	15	100
16	10	20	100

刀片規格 DIMENSION OF SAWBLADE



單位 Unit : mm

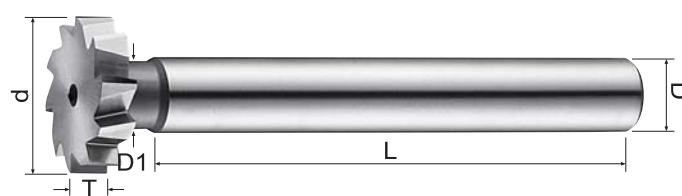
外徑(d) Outsid dia(d)	厚度(T) Thickness(T)	直徑 (D1)	螺絲直徑 (D2) Screw diameter	齒數(Z) Teeth Numbers		
				直刃	斜刃	千鳥刃
12, 14	0.8, 1.0, 1.3, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0	8	M 3.5	6	6	6
16, 18	1.0, 1.3, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0	9	M 4	8	8	8
20, 22	1.3, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0	9	M 4	10	10	10
24, 25	1.3, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.5, 6.0	10	M 5	12	12	12

T 型銑刀系列

T-SLOT MILLING CUTTERS

千鳥刀 & 直刀 STAGGERED & STRAIGHT T-SLOT MILLING CUTTER

材質 Materials : HSS-59, SKH-59

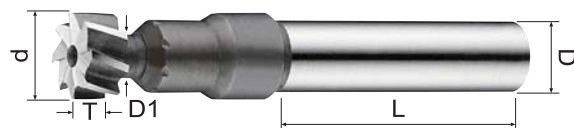
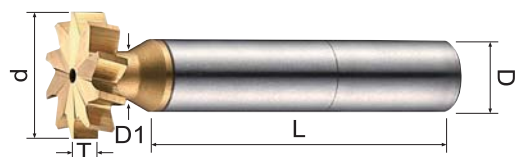


單位 Unit : mm

外徑(d) Outsid dia(d)	厚度(T) Thickness(T)	齒數(Z) Teeth Numbers		刀桿(D) Arbor(D)	直徑 (D1)	全長(L) Overall Length(L)
		平面刀	千鳥刀			
16	1.0, 1.3, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5	8	6	10	6	70
20	1.0, 1.3, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5	10	8	12	8	70
25	1.0, 1.3, 1.5, 1.8, 2.0, 2.5, 3.0, 3.5	12	8	12	8	70

斜刀T型銑刀 BEVEL EDGE T-SLOT MILLING CUTTER

材質 Materials : HSS-59, SKH-59



單位 Unit : mm

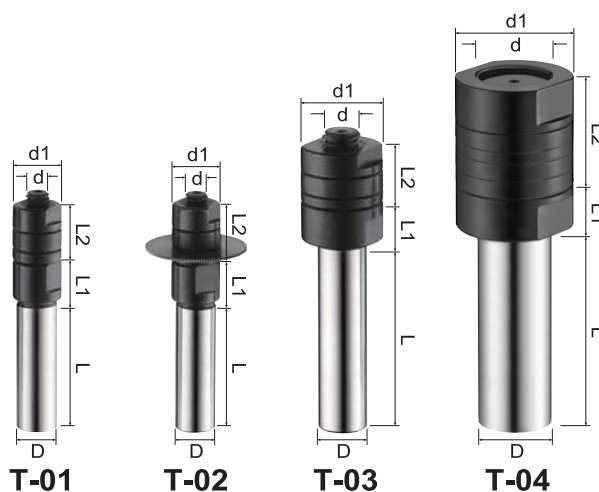
外徑(d) Outsid dia(d)	厚度(T) Thickness(T)	齒數(Z) Teeth Numbers	刀桿(D) Arbor(D)	直徑 (D1)	全長(L) Overall Length(L)
10, 12	2, 3, 4, 5, 6, 8	8	10	4	70
13, 15, 16	2, 3, 4, 5, 6, 8	8	10	6	70
18, 19, 20	3, 4, 5, 6, 8	10	12	8	75
25, 30	3, 4, 5, 6, 8	12	12	10	75

刀桿 TOOL ARBORS

材質 Materials : SUJ2#

★本系列銑刀特殊規格可接受訂購

★Special specifications of milling cutters are available upon request



單位 Unit : mm

型號 Model No.	內孔直徑(d) Inside Hole Dia(d)	夾緊片直徑(d1) Clamp Dia(d1)	刀桿直徑(D) Arbor Dia(D)	刀桿長度(L) Arbor Length(L)		
				(L)	(L1)	(L2)
T-01	6	12	10	32	10	14
T-02	8	15	10	32	10	14
T-03	12.7	20	10	47	10	14
T-04	25.4	40	25	70	15	37

KINKELDER®
Imported from Holland

荷蘭原裝進口
(台灣總代理)

HSS 圓鋸片

HSS CIRCULAR SAWBLADE

各種HSS金屬圓鋸片特性

FEATURES OF VARIOUS HSS SAWBLADE



蒸氣黑化處理

Steam Blackening Treatment

切削性能高、針對一般材質、
切削能力度較低、鋸片成本較低。

- High cutting performance.
- For cutting general materials, you can save sawblade cost.



二度燒、多層鈦

Economy 3000

Multi-layer TIN Coating

切削磨擦系數較低、切削耐用度較高、
可針對韌性較大材質
如：不鏽鋼、鋁鎂合金。

- Low cutting friction coefficient.
- Long service life.
- Excellent for cutting tough materials, such as stainless steel, aluminum and magnesium alloy etc.



效能3000

Performance 3000 Type

特性在於高速切削，切削速度可達到
220/分米，適用於抗拉力高之鋼材。

- Cuts faster and gives significantly longer blade life than the EC 3000.
- Handles harder materials at higher cutting speeds than the EC 3000 blade.
- Ideal for cutting a variety of materials on a high performance level.

HSS 金屬圓鋸片

HSS METAL CIRCULAR SAWBLADE

外徑(D)	厚度(T)	孔徑(d)	外徑(D)	厚度(T)	孔徑(d)
Outside Dia (D)	Thickness (T)	Hole Dia (d)	Outside Dia (D)	Thickness (T)	Hole Dia (d)
250	x 1.0	x 32	325	x 2.0	x 32
250	x 1.2	x 32	325	x 2.5	x 32
250	x 1.6	x 32	350	x 2.0	x 32
250	x 2.0	x 32	350	x 2.5	x 32
275	x 1.2	x 32	370	x 2.0	x 32
275	x 1.6	x 32	370	x 2.5	x 32
275	x 2.0	x 32	400	x 2.5	x 32
300	x 1.6	x 32	400	x 3.0	x 32
300	x 2.0	x 32	450	x 3.0	x 32
300	x 2.2	x 32	500	x 3.0	x 32
300	x 2.5	x 32	600	x 4.0	x 32
315	x 2.0	x 32	700	x 4.0	x 32

鋸片偏擺校正儀器

本公司擁有鋸片偏擺校正儀器，提供
精準的鋸片偏擺檢測。

Sawblade Run-out Tester

We have sawblade run-out tester, providing
accurate inspection for sawblade run-out.

TCT 超硬鎢鋼圓鋸片

TCT CIRCULAR SAWBLADE

- TCT 鋸片廣泛用以實心棒材及厚管材
- 能高速切削，切削精準度高和快速功能
- FOR CUTTING SOLID METAL BAR AND THICKER STEEL.
- EXCELLENT FOR HIGH-SPEED CUTTING AND HIGH ACCURACY.



TCT 超硬鎢鋼圓鋸片

TCT CIRCULAR SAWBLADE

外徑(D)	厚度(T)	孔徑(d)	齒數
Outside Dia (D)	Thickness (T)	Hole Dia (d)	Teeth number
250	x 2.0	x 32	x 72T
285/280	x 2.0	x 32	x 60T
285/280	x 2.0	x 32	x 72T
285/280	x 2.0	x 32	x 80T
315	x 2.25	x 32	x 72T
315	x 2.25	x 32	x 80T
360	x 2.6	x 40	x 60T
360	x 2.6	x 40	x 80T



千鳥刃側銑刀

STAGGERED MILLING CUTTER



千鳥刃側銑刀 STAGGERED SIDE MILLING CUTTER							
外徑 Outside diameter	75	100	125	150	175	200	
	3"	4"	5"	6"	7"	8"	
齒數 Teeth number	18	20	22	24	26	28	
孔徑 Hole diameter	25.4		1"				
厚度 Thickness	4	6	8	10	12	13	
	14	15	18	20			
	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	
	5/8"	3/4"					
特殊規格可接受訂製 Special specifications are available.							

平面側銑刀

SURFACE MILLING CUTTER



平面側銑刀 SURFACE SIDE MILLING CUTTER AND BEVEL BLADE SIDE MILLING CUTTER								
外徑 Outside diameter	50	60	75	100	125	150	175	200
	2"	2 1/2"	3"	4"	5"	6"	7"	8"
齒數 Teeth number	18	20	22	26	28	32	34	36
孔徑 Hole diameter	25.4		1"					
厚度 Thickness	3.0	4.0	5.0	6.0	7.0	8.0	9.0	
	10	11	12	13	14	15	16	17
	18	19	20	22	24	25		
	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
特殊規格角度可接受訂製 Special specifications are available upon request.								

本系列產品無庫存，依客戶需求規格訂製 CUSTOMIZED PRODUCTS

單斜 / 中尖特殊齒型滾輪刀
SINGLE / DOUBLE BEVEL
SHARP KNIFE (WITH TEETH)

中尖滾輪刀
DOUBLE BEVEL
SHARP KNIFE

客製化刀款
CUSTOMIZED
PRODUCTS



適用於橡膠，塑膠類管材切斷與食品加工，像是土司，熱狗，花生糖等..

This knife is used for cutting rubber, plastic, paper and food processing such as toast, hot dog and candy.



適用於橡膠，塑膠與紙類加工

This knife is used only cutting for rubber, plastic and paper.



此款鋸片為B型齒加倒統稱BW齒型，適用於實心棒材切斷及較厚管材加工

This tooth form for this cutter is BW, it is used for cutting solid bar and wall thickness ranging 2mm~10mm

焊刃鎢鋼T型刀
BRAZED CARBIDE
T SLOT MILLING CUTTER

焊刃鎢鋼側銑刀
BRAZED CARBIDE
MILLING CUTTER



切削條件加工參考指數
 側銑刀/干鳥刃側銑刀之切削條件
 RECOMMENDED MACHINING DATA FOR
 SIDE MILLING CUTTER / STAGGERED SIDE MILLING CUTTER ETC.

工件材質 Workpiece Mat'l	鑄鐵 Cast Iron		碳鋼 Carbon Steel		特殊鋼 工具鋼 不鏽鋼 耐熱鋼等 Special Steel Tool Steel Stainless Steel Heat-Resistant Steel etc.		可鍛鑄鐵、鑄鋼 Forging Cast Iron Forging Cast Steel		銅及銅合金 Copper & Copper Alloy		鋁合金 Aluminum Alloy	
切削速度 Cutting Rate	25~35 m/min		25~35 m/min		15~25 m/min		25~35 m/min		40~80 m/min		100~200 m/min	
刃徑 D(mm) Outside Dia. (D)	迴轉數 rpm Speed RPM	進給速度 mm/min Feed mm/min	迴轉數 rpm Speed RPM	進給速度 mm/min Feed mm/min	迴轉數 rpm Speed RPM	進給速度 mm/min Feed mm/min	迴轉數 rpm Speed RPM	進給速度 mm/min Feed mm/min	迴轉數 rpm Speed RPM	進給速度 mm/min Feed mm/min	迴轉數 rpm Speed RPM	進給速度 mm/min Feed mm/min
75	120	100~200	120	100~200	80	70~130	120	100~200	250	230~300	630	500~1000
100	90	80~150	90	80~150	60	60~110	90	80~150	190	210~280	470	400~800
125	75	80~140	75	80~140	50	50~100	75	80~140	150	200~260	380	350~700
150	60	80~120	60	80~120	40	50~90	60	80~120	130	190~250	310	350~700
175	55	70~110	55	70~110	35	40~80	55	70~110	110	180~240	270	300~600
200	50	60~100	50	60~100	30	40~80	50	50~100	95	180~240	230	300~600

切削條件加工參考指數
 平面銑刀之切削條件
 RECOMMENDED MACHINING DATA FOR
 FACE MILLING CUTTER

工件材質 Workpiece Mat'l	鑄鐵 Cast Iron		碳鋼 Carbon Steel		特殊鋼 工具鋼 不鏽鋼 耐熱鋼等 Special Steel Tool Steel Stainless Steel Heat-Resistant Steel etc.		可鍛鑄鐵、鑄鋼 Forging Cast Iron Forging Cast Steel		銅及銅合金 Copper & Copper Alloy		鋁合金 Aluminum Alloy	
切削速度 Cutting Rate 刃徑 D(mm) Outside Dia. (D)	20~25 m/min		20~25 m/min		15~20 m/min		22~25 m/min		40~120 m/min		200~300 m/min	
75	0.20~0.29		0.11~0.17		0.09~0.12		0.15~0.18		0.07~0.18		0.06~0.15	
90	0.17~0.24		0.09~0.13		0.08~0.10		0.13~0.14		0.05~0.15		0.05~0.12	

- 由於本公司不斷研究改良，上述規格及設計特性若有變更，恕不另行通知。
- Specifications and design characteristics are subject to change without prior notice.



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