

Perfect Your need

您的需求，我們做到最好

三井 Shan Gin 一貫的品質堅持

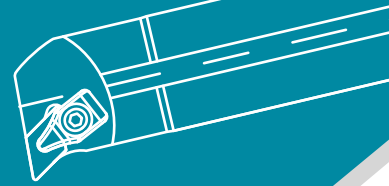


弘展切削工具成立於1989年，以專業、穩健的精神創立「三井」品牌，20年來專業製造捨棄式精密刀具。我們客戶遍布全球。我們在所擅長的領域，配合客戶不同的需求，生產高穩定性且迎合客戶、市場要求的專業刀架。產品涵蓋多種捨棄式精密刀具，如外徑車刀、內徑車刀、切斷刀、小部品（多機能自動車刀）、槽刀、直角端銑刀、45度面銑刀、鑽銑刀、球刀、圓鼻刀、快削刀、快速鑽頭、搪孔刀、卡式刀座...等，能多方面滿足您對切削刀具的需求。本公司集合多年的實務經驗與新技術的不斷提昇，秉持產品質量=企業生命，將傳達三井品牌的精神並隨時提供客戶完整的解決方案。

Our Quality Insistence can Perfect Your need.

Shan Gin Cutting Tools, a Taiwanese based brand manufacturing from Hon Jan Cutting Tools Co., Ltd founded in 1989. We have been designing and manufacturing indexable cutting tools for over 20 years. A comprehensive range of Shan Gin Cutting Tools provide a best total solution to any of your manufacturing needs. Our engineers all come from a technical and application background in order to provide technical advice & support, practical experience and new ideas. We have the widest products such as toolholders, boring bars, turning tools, small tools, threading, grooving, boring tools, millings, face mill, shell mills, modular type mills, high-speed drills, CNC cartridges...and etc. All contribute to your general machining applications. Our mission is to Perfect your need in total solutions for metal cutting machining.

SHAN GIN



Disclaimer

Tool dimensions and tool sizes on this catalog
could be changed in every moment
without duty to advise customer.

Die in diesem Katalog angegebenen Abmessungen
können ohne Voranzeige an den Kunden geändert werden.

Le dimensioni e le misure riportate in questo catalogo
possono essere variate in qualsiasi momento
senza obbligo di darne notizia.

Размеры инструмента могут быть изменены
без предварительного уведомления.

Les dimensions et les mesures sur ce catalogue
peuvent être changées à n'importe quel moment
sans l'obligation de renseigner les clients.

本公司保有產品規格變更的權利



Safety Notes for Cutting Tools

1. Before using and handling any cutting tool products and cutting tool materials, be sure to read this guideline so they are used correctly.
2. Always use the parts which are prescribed.
3. Please clean up insert pockets or clamping parts before setting insert and confirm that the insert or parts are clamped completely.
4. Never get close to or touch rotating or moving tools.
5. When cutting, flying chips or metal pieces may be dangerous. Use protective materials to prevent injury.
6. Some toolings are heavy, especially carbide base material. Handle with care when transferring and storing. Safety shoes should be put on at all time to prevent injury.

內徑車刀 BORING BARS

BORING BARS
內徑車刀

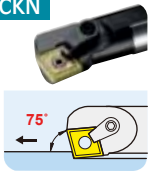
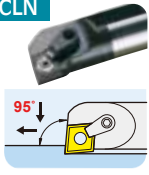
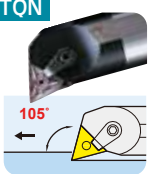
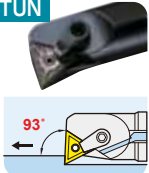
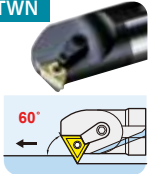
TOOL HOLDERS
外徑車刀

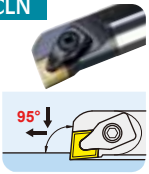
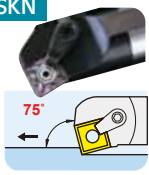
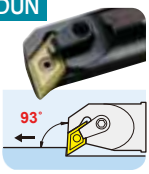
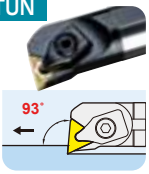
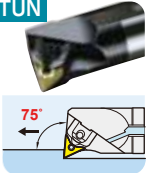
THREADING & GROOVING
牙刀 & 開槽刀

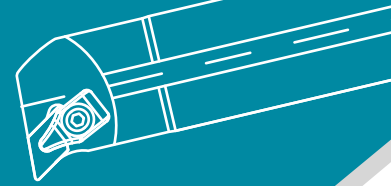
MILLING
銑刀

BORING TOOLS COMPONENTS
孔加工

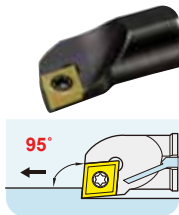
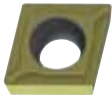
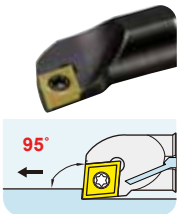
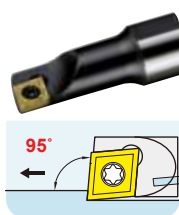
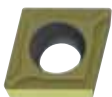
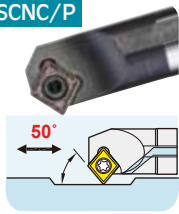
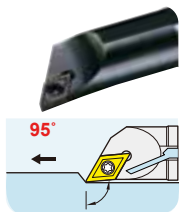
SPARE PARTS
配件

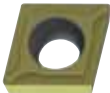
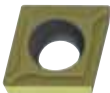
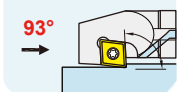
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P.002	MCLN 	20	CN..1204	
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P.003	DDUN 	32	DN..1504 DN..1506	
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P.004	MTQN 	20	TN..1604	
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P.005	MTUN 	20	TN..1604	
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P.006	MTWN 	20	TN..1604	
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P.007	DVUN 	40	VN..1604	
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P.008	DWLN 	20	WN..0804	
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P.002	MSKN 	25	SN..1204	
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P.003	MDUN 	25	DN..1504 DN..1506	
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P.004	DTUN 	20	TN..1604	
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P.005	WTUN 	32	TN..1604	
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P.007	MOVUN 	25	VN..1604	
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P.008	MWLN 	20	WN..0804	
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內徑車刀 BORING BARS

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		12	CC..09T3	
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		32	CC..1204	
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		10	CP..0903	
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		1005	CC..0301	
		1204		
		1206	CC..0401	
		1607	CC..0602	
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		1609		
		1612	CP..0802	
		2014	CP..0903	
		2016		
P.015	SCNC/P 	12	CC..0602	
		16	CP..0903	
P.016	SDJC 	8	DC..0702	
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		16	DC..11T3	
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		25		
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		6	CC..0401	
		7	CC..0602	
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		16	CC..09T3	
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		14		
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P.012	SCLP.. Carbide shank  	10	CP..0802	
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		16		
		20		
		25		
P.014	SCKC/P  	8	CC..0602	
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		12	CC..09T3	
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P.015	SCZC  	8	CC..0602	
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		16	CC..09T3	
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內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

內徑車刀 BORING BARS

BORING BARS
內徑車刀

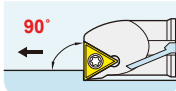
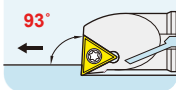
TOOL HOLDERS
外徑車刀

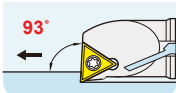
THREADING & GROOVING
牙刀 & 開槽刀

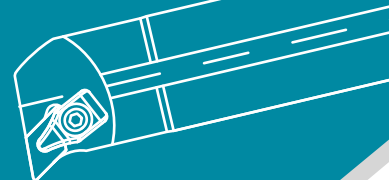
MILLING
銑刀

BORING TOOLS COMPONENTS
孔加工

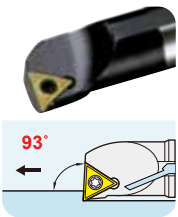
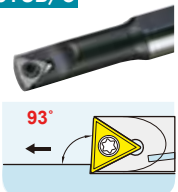
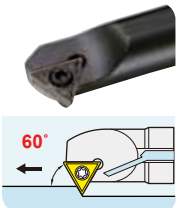
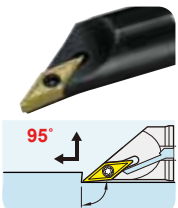
SPARE PARTS
配件

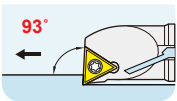
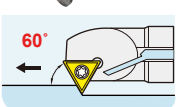
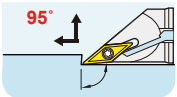
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P.018	SDQC  	10	DC..0702	
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		16	DC..11T3	
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		50		
P.020	STFC/P  	6	TC..0601	
		8	TC..0902	
		8		
		10	TC..1102	
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		16	TC..16T3	
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		32	TP..1603	
		16		
P.021	STUB/C  	6	TB..0601	
		8	TC..0902	
		8		
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		12		
		14	TC..1102	
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Page	Index	ØD	Insert	
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P.022	STUB/C.. Carbide shank  	6	TB..0601	
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		8	TC..0902	
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		12		
		16		



內徑車刀 BORING BARS

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			Item code	Shape	
P.023	STUP 	8	TP..0802		
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		12			
		16			
		8	TP..0902		
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		20	TP..1603 TP..16T3 TP..1604		
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32					
P.025	STUB/C 	0806	TB..0601		
		0807			
		1207			
		1206	TC..0601		
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P.026	STWC 	0806	TB..0601		
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P.027	SVJB 	10	VB..1103		
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Page	Index	ØD	Insert	
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20	TP..1604			
P.026	STWP  	8	TP..0802	
		8	TP..0902	
		10		
		10		
		12	TP..1103	
		14		
		16		
		20		
		20	TP..1603	
P.028	SVJC  	8	VC..0802	
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		10	VC..1103	
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		16	VC..1604	
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		25		
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		40		

內徑車刀
BORING BARS

外徑車刀
TOOL HOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

內徑車刀 BORING BARS

BORING BARS
內徑車刀

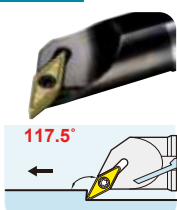
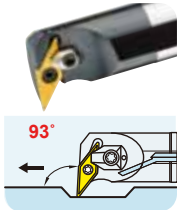
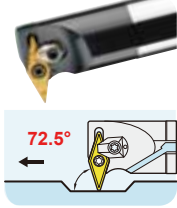
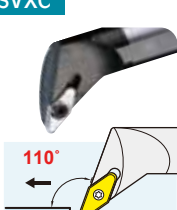
TOOL HOLDERS
外徑車刀

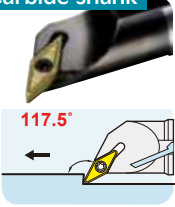
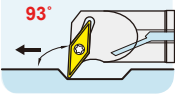
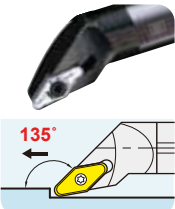
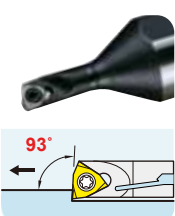
THREADING & GROOVING
牙刀 & 開槽刀

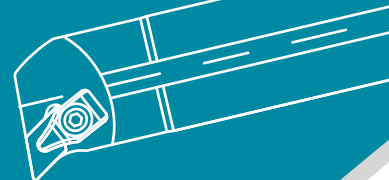
MILLING
銑刀

BORING TOOLS COMPONENTS
孔加工

SPARE PARTS
配件

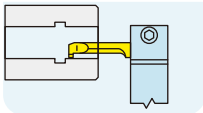
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P.031	SVUB/C...CL 	16	VB..1103 VC..1103	
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		32		
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P.033	SVVB/C...CL 	16	VB..1103 VC..1103	
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P.034	SVXC 	25	VC..2205	
P.035	SWLC 	0805	WC..0201	
		1005		
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Page	Index	ØD	Insert	
			Item code	Shape
P.030	SVQB/C.. Carbide shank 	12	VB..1103 VC..1103	
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		20		
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P.033	SVVB/C 	25	VB..1604 VC..1604	
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P.034	SVXC 	25	VC..2205	
P.035	SWUB 	1005	WB..0601	
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		1007		
		1205		
		1605		



內徑車刀套筒 SLEEVES FOR BORING BARS

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內徑車刀
BORING BARS

外徑車刀
TOOL HOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

外徑車刀 TOOLHOLDERS

內徑車刀
BORING BARS

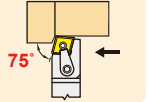
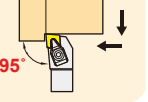
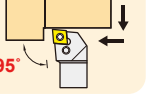
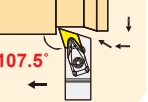
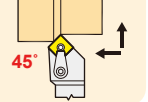
外徑車刀
TOOLHOLDERS

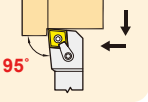
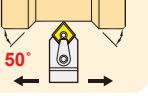
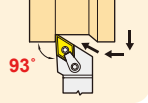
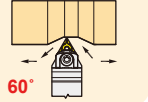
牙刀 & 開槽刀
THREADING & GROOVING

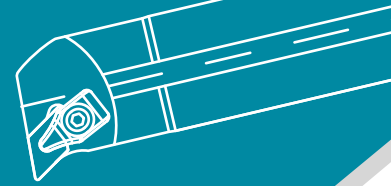
銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

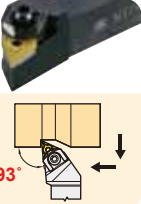
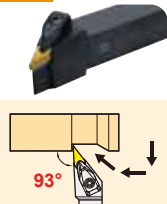
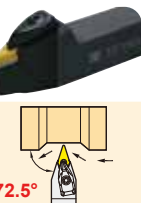
配件
SPARE PARTS

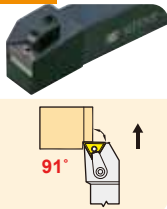
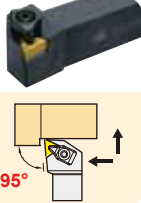
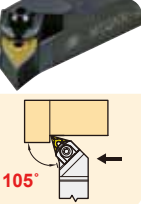
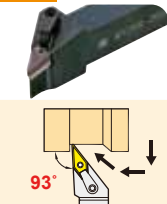
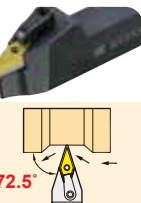
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P.047	DCLN  	16×16	CN..1204	
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P.048	PCLN  	20×20	CN..1204	
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		32×32		
P.049	DDJN  	20×20	DN..1504 DN..1506	
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		32×32		
P.050	DDQN  	20×20	DN..1504 DN..1506	
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P.051	MSSN  	16×16	SN..1204	
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		25×25		

Page	Index	Height X Width	Insert	
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P.047	MCLN  	16×16	CN..1204	
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P.049	MDJN  	20×20	DN..1504 DN..1506	
		25×25		
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P.050	MSDN  	20×20	SN..1204	
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P.051	MTEN  	12×16	TN..1604	
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外徑車刀 TOOLHOLDERS

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			Item code	Shape
P.052	DTFN 	16×16	TN..1604	
		20×20		
		25×25		
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P.053	PTFN 	20×20	TN..1604	
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P.054	MTJN 	12×16	TN..1604	
		16×16		
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P.055	DVJN 	20×20	VN..1604	
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		32×32		
P.056	DVQN 	20×20	VN..1604	
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P.057	DVVNN 	16×16	VN..1604	
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Page	Index	Height X Width	Insert	
			Item code	Shape
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P.053	DTJN 	20×20	TN..1604	
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P.054	MTQN 	20×20	TN..1604	
		25×25		
P.055	MVJN 	12×16	VN..1604	
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		20×20		
		25×25		
		32×32		
P.056	MVQN 	20×20	VN..1604	
		25×25		
		32×32		
P.057	MVVNN 	16×16	VN..1604	
		20×20		
		25×25		

內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

外徑車刀 TOOLHOLDERS

內徑車刀
BORING BARS

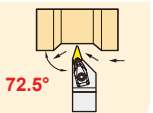
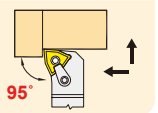
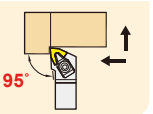
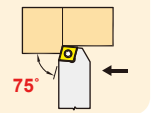
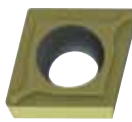
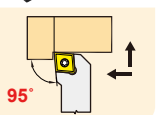
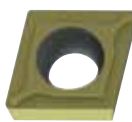
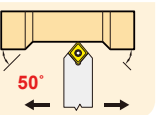
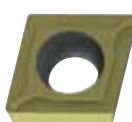
外徑車刀
TOOLHOLDERS

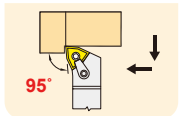
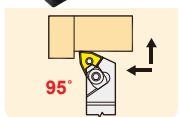
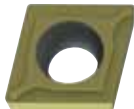
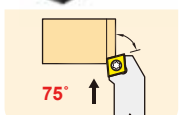
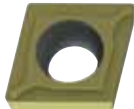
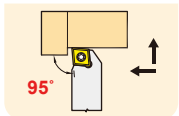
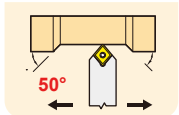
牙刀 & 開槽刀
THREADING & GROOVING

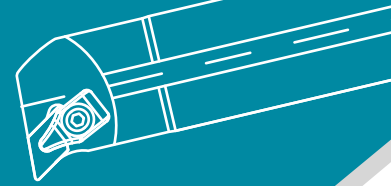
銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

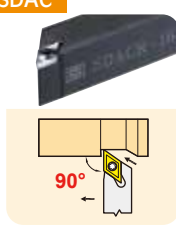
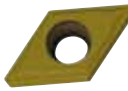
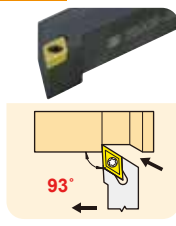
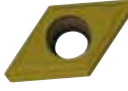
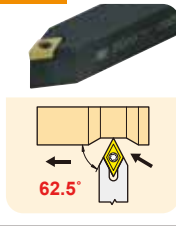
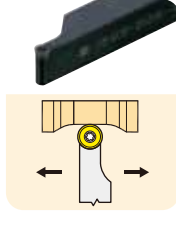
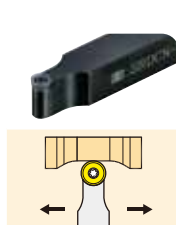
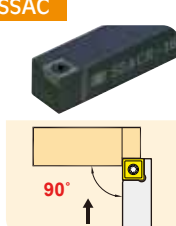
配件
SPARE PARTS

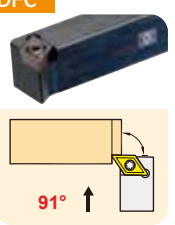
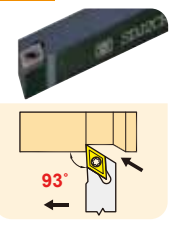
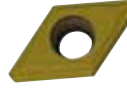
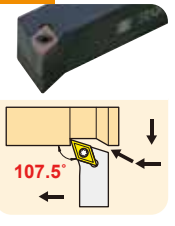
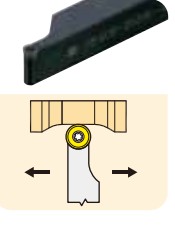
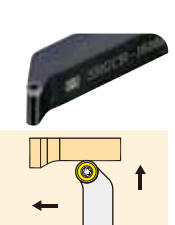
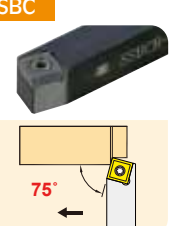
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	32×32			
P.059	MWLN  	20×20	WN..0804	
	25×25			
	32×32			
P.060	DWLN  	20×20	WN..0804	
	25×25			
	32×32			
P.061	SCBC  	16×16	CC..09T3	
	20×20			
	25×25			
P.062	SCLC  	10×10	CC..0602	
		12×12	CC..09T3	
		16×16		
		20×20		
		25×25	CC..1204	
		20×20		
		25×25		
		32×32		
P.063	SCNC  	16×16	CC..0602	
		12×12	CC..09T3	
		16×16		
		20×20		
		25×25	CC..1204	
		20×20		
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Page	Index	Height X Width	Insert	
			Item code	Shape
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	 95°	25×25		
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	 95°	20×20		
		25×25		
P.061	SCKC 	12×12	CC..09T3	
	 75°	16×16		
		20×20		
		25×25		
P.062	SCL2C 	08×08	CC..0602	
	 95°	10×10	CC..09T3	
		12×12		
		16×16		
		20×20		
		25×25		
P.063	SCNP 	12×12	CP..0903	
	 50°	16×16		
		20×20		
		25×25		



外徑車刀 TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.064	SDAC 	10×10	DC..0702 DC..11T3	
	12×12			
	16×16			
P.065	SDJC 	10×10	DC..0702 DC..11T3	
	12×12			
	16×16			
	20×20	DC..11T3		
	25×25			
	32×32			
P.066	SDNC 	10×10	DC..0702	
	12×12	DC..0702 DC..11T3		
	16×16	DC..11T3		
	20×20			
	25×25			
P.067	SRAC 	10×10	RC..0502 RC..0602	
	12×12			
	16×16			
	20×20			
	25×25			
P.068	SRDC 	10×10	RC..0502 RC..0602	
	12×12	RC..0502		
	16×16	RC..0602		
	20×20	RC..0803		
	25×25	RC..1003		
	32×32	RC..1003		
P.069	SSAC 	9.5×12.7	SC..09T3	
	12.7×12.7			
	12×12			
	16×16			

Page	Index	Height X Width	Insert	
			Item code	Shape
P.064	SDFC 	12×12	DC..0702	
		12×12	DC..11T3	
		16×16		
P.065	SDJ2C 	08×08	DC..0702	
		10×10	DC..0702 DC..11T3	
		12×12		
		16×16		
		20×20		
		25×25		
		32×32	DC..11T3	
P.066	SDQC 	12×12	DC..11T3	
		16×16		
		20×20		
		25×25		
P.067	SRAC 	12×12	RC..0803 RC..1003	
		16×16		
		20×20		
		25×25		
P.068	SRGC 	12×12	RC..0602	
		16×16		
		20×20		
		25×25		
		16×16	RC..0803	
		25×25		
P.069	SSBC 	9.5×12.7	SC..09T3	
		12.7×12.7		
		12×12		

內徑車刀
BORING BARS

外徑車刀
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配件
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外徑車刀 TOOLHOLDERS

內徑車刀
BORING BARS

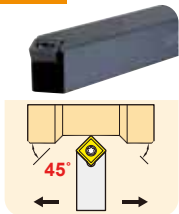
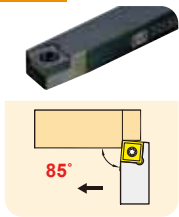
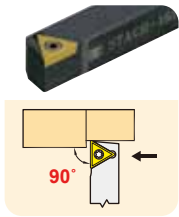
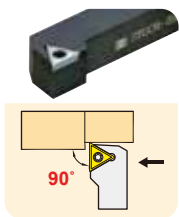
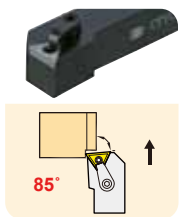
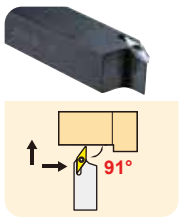
外徑車刀
TOOLHOLDERS

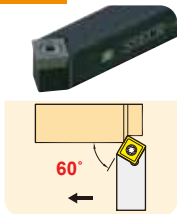
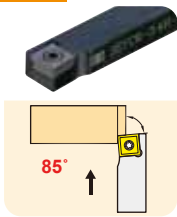
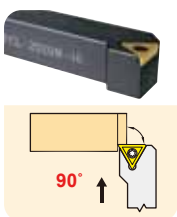
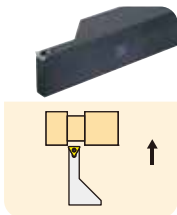
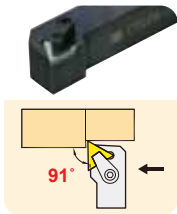
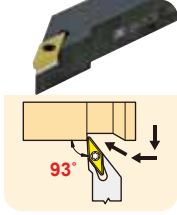
牙刀 & 開槽刀
THREADING & GROOVING

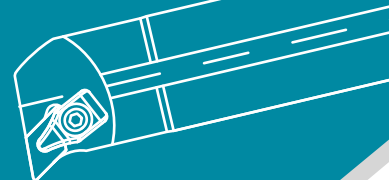
銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

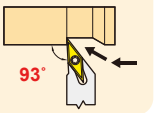
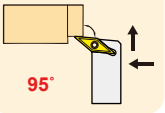
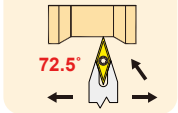
配件
SPARE PARTS

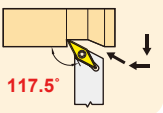
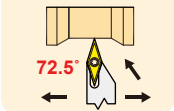
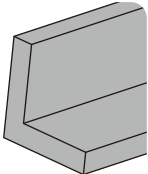
Page	Index	Height X Width	Insert	
			Item code	Shape
P.070	SSDC 	9,5×12,7	SC..09T3	
		12,7×12,7		
		12×12		
		16×16		
		20×20		
		25×25		
P.071	SSXC 	9,5×12,7	SC..09T3	
P.072	STAC 	10×10	TC..1102	
		12×12		
		16×16		
		9,5×12,7	TC..16T3	
		12,7×12,7		
		12,7×16		
	16×16			
P.073	STGC/P 	12×12	TC..16T3	
		16×16		
		19×19		
		20×20	TC..16T3 TP..1603	
		25×25		
P.074	CTYC 	20×20	TC..16T3	
P.075	SVA3CL 	12×12	VC..1103	
		16×16		
		20×20		
		25×25		

Page	Index	Height X Width	Insert	
			Item code	Shape
P.070	SSEC 	9.5×12.7	SC..09T3	
		12.7×12.7		
		12×12		
P.071	SSYC 	9.5×12.7	SC..09T3	
P.072	STFC 	20×20	TC..16T3	
		25×25		
P.073	STCP 	25×25	TP..0902	
P.074	CTGP 	16×16	TP.N1603	
		20×20		
		25×25		
P.075	SVJB/C 	10×10	VB..1103 VC..1103	
		12×12		
		16×16		
		20×20		
		25×25	VB..1604 VC..1604	
		20×20		
		25×25		
		32×32		



外徑車刀 TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.076	SVJ2B/C  	10×10	VB..1103 VC..1103	
		12×12		
		16×16		
		20×20	VC..1604	
		16×16		
		20×20		
		25×25		
P.077	SVUC  	20×20	VC..1604	
		25×25		
P.078	SVVB/CN  	10×10	VB..1103 VC..1103	
		12×12		
		16×16		
		20×20		
		25×25	VB..1604 VC..1604	
		16×16		
		20×20		
		25×25		
		32×32		

Page	Index	Height X Width	Insert	
			Item code	Shape
P.076	SVQB/C   117.5°	12×12	VB..1103 VC..1103	
		16×16		
		20×20		
		20×20	VB..1604 VC..1604	
		25×25		
P.077	SVVC   72.5°	16×16	VC..1604	
		20×20		
		25×25		
		9.5×9.5	VC..1103	
		12.7×12.7		
		20×20		
P.078	LMH 	25-32M 外徑墊高 輔助刀座		

內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

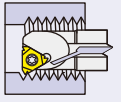
牙刀 & 開槽刀
THREADING & GROOVING

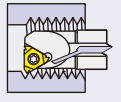
銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

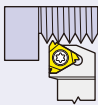
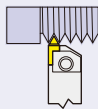
配件
SPARE PARTS

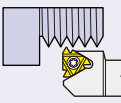
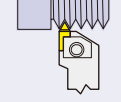
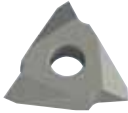
內徑牙刀 INTERNAL THREADING BORING BARS

Page	Index	ØD	Insert	
			Item code	Shape
P.085	SNR/L-1  	8	08NR/L	
		10	11NR/L	
		12		
		16	16NR/L	
		20		
		25	16NR/L	
		32	22NR/L	
		40		

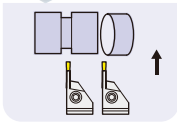
Page	Index	ØD	Insert	
			Item code	Shape
P.086	SNR/L-2  	12	06NR/L	
		16	08NR/L 11NR/L	
		16		
		20	16NR/L	

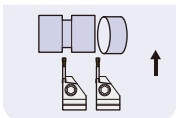
外徑牙刀 EXTERNAL THREADING TOOLHOLDERS

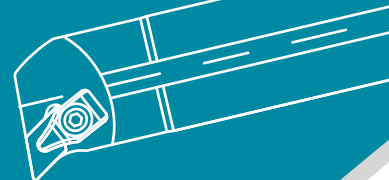
Page	Index	Height X Width	Insert	
			Item code	Shape
P.087	SER/L  	10×10	16ER/L	
		12×12		
		12×16		
		16×16		
		20×20	16ER/L 22ER/L	
		25×25		
		32×32	27ER/L	
		25×25 32×32		
P.089	WTH  	20×20	MTTR/L43..	
		25×25		
		32×32		

Page	Index	Height X Width	Insert	
			Item code	Shape
P.087	SKER/L  	12×12	16ER/L	
		16×16		
		20×20		
		25×25		
P.089	WT1  	16×16	MTTR/L43..	
		20×20		
		25×25		

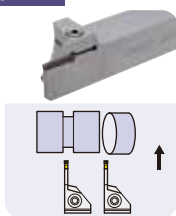
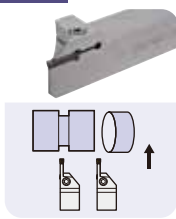
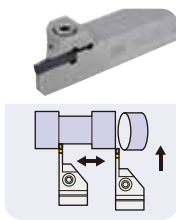
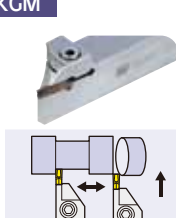
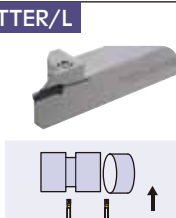
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

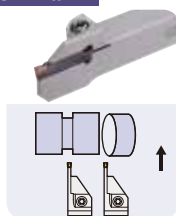
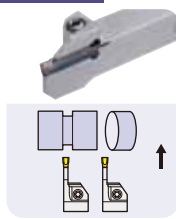
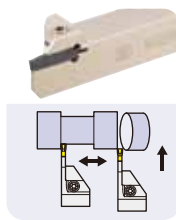
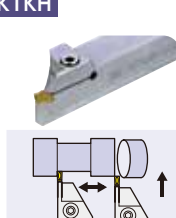
Page	Index	Height X Width	Insert	
			Item code	Shape
P.091	DGH  	16×16	DGM20CE	 
		20×20		
		16×16	DGM30CT DGM30CE DGM40CT DGJ40CE DGM50CT	
		20×20		
		25×25		
		32×32		

Page	Index	Height X Width	Insert	
			Item code	Shape
P.092	GYM  	16×16	GY2M02.. GY2M03..	
		20×20		
		20×20	GY2M03.. GY2M04.. GY2M05..	
		25×25		
		32×32		



外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.093	GNDL 	16×16	GCMN30..	
		20×20	GCMN20.. GCMN30.. GCMN40..	
		25×25		
P.094	GNDM 	20×20	GCMN30.. GCMN40..	
		25×25	GCMN30.. GCMN40.. GCMN50.. GCMN60..	
P.095	KGD 	12×12	GDM2020	
		16×16	GDM2020 GDM3020	
		20×20		
		25×25		
P.096	KGM 	12×12	GMM1520 GMM2020 GMM2520 GMM3020	
		16×16		
		20×20		
		25×25		
		20×20	GMM4020 GMM5020 GMM6020	
		25×25		
		32×32		
P.098	TTER/L 	20×20	TDC.. TSC.. TDJ.. TSJ.. TDT..	
		25×25		
P.099	MGEH 	16×16	MGMN 200 MGMN 300 MRMN 200 MRMN 300	
		20×20		
		25×25		

Page	Index	Height X Width	Insert	
			Item code	Shape
P.093	GNDL..LH 	12×12	GCMN20.. GCMN30..	
P.094	GNDM..LH 	12×12	GCMN30..	
P.095	KGD..LH 	10×10	GDM2020	
		12×12		
		16×16		
P.097	KTKH 	12×12	TKN 2 TKN 2.4	
		16×16	TKN 2 TKN 2.4 TKN 3.1	
		20×20		
		25×25		
		25×25	TKN 4.1	
P.098	TTER/L...LH 	10×10	TDC.. TSC.. TDJ.. TSJ.. TDT..	
		12×12		
		16×16		
P.100	DGT 	10×10	DGN20.. DGN22..	
		12×12		
		16×16	DGN20.. DGN22.. DGN30.. DGN31..	
		20×20		
		25×25		

內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

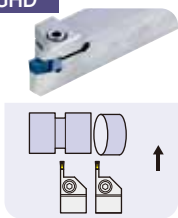
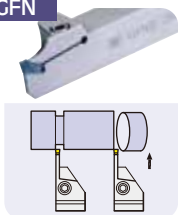
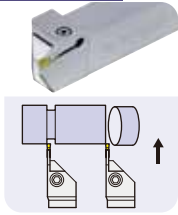
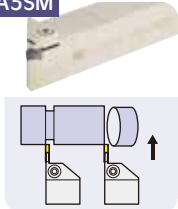
牙刀 & 開槽刀
THREADING & GROOVING

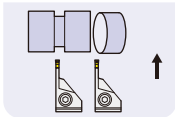
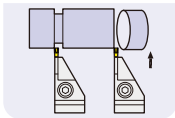
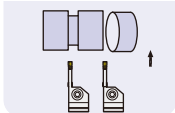
銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

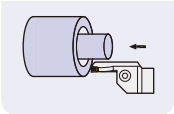
配件
SPARE PARTS

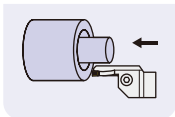
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

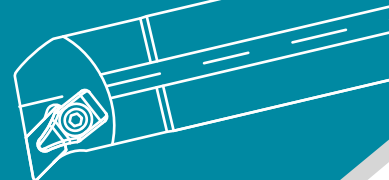
Page	Index	Height X Width	Insert	
			Item code	Shape
P.101	GHD 	20×20	GIP.. GIF.. GIMF.. GIMY..	
		25×25		
P.103	GFN 	12×12	GFN 2	
		16×16	GFN 2 GFN 3	
		20×20		
		25×25		
P.104	R/LF151.23 	16×16	N151.2-200.. N151.2-250.. N151.2-300..	
		20×20		
		25×25		
P.106	A3SM 	16×16	A2022..	
		20×20		
		25×25		

Page	Index	Height X Width	Insert	
			Item code	Shape
P.101	CHG 	16×16	GIP.. GIF.. GIMF.. GIMY..	
		20×20		
		25×25		
P.105	A3SC 	10×10	A2022..	
		12×12	A2022.. A2030..	
		16×16		
		20×20		
		25×25		
P.107	TNP 	16×16	TN300..	
		20×20		
		25×25		

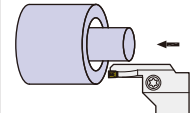
外徑端面開槽刀 EXTERNAL FACE GROOVING TOOLHOLDERS

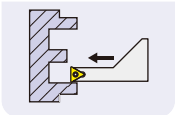
Page	Index	Hole Diameter		Insert	
		MIN	MAX	Item code	Shape
P.108	KGDFR  	30	45	GDFM3020..	
		45	65		
		65	85		
		85	110		
		110	145		
		35	50	GDFM4020..	
		50	70		
		70	100		
		100	150		
		150	220		
		220	800	GDFM5020..	
		50	75		
		75	115		
		115	180		
		180	235		
		235	800		

Page	Index	Hole Diameter		Insert	
		MIN	MAX	Item code	Shape
P.109	DCF  	28	34	DGM30CTF	
		34	45		
		45	70		
		70	100		
		100	140		
		140	200	DGM40CTF	
		200	800		
		28	34		
		34	45		
		45	70		
P.110		70	100	DGM50CTF	
		100	140		
		140	200		
		200	800		
		50	70		
		70	120		
		120	240		
		240	800		



外徑端面開槽刀 EXTERNAL FACE GROOVING TOOLHOLDERS

Page	Index	Hole Diameter		Insert	
		MIN	MAX	Item code	Shape
P.111	HFAVR 	29	34	HFPR30..	
		34	40		
		40	48		
		48	60		
		60	75		
		75	100		
		100	140		
		140	200		
		200	800	HFPR40.. GRIP40	
		29	34		
		34	40		
		40	48		
		48	60		
		60	75		
		75	100		
		100	140		

Page	Index	Height X Width	Adapter	
			Item code	Shape
P.112	HFAPR 	20X25	HFAVR	
	25X25			
P.113	STCP  	25X25	Insert	
			Item code	Shape
			TP..0902..	

內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

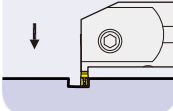
配件
SPARE PARTS

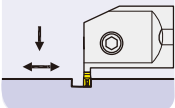
內徑端面開槽刀 INTERNAL FACE GROOVING TOOLHOLDERS

Page	Index	ØD	Insert	
			Item code	Shape
P.114	GIVFR  	20	GVFR..B	
		25		
		32		

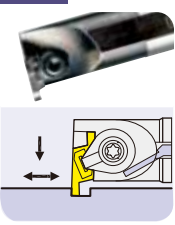
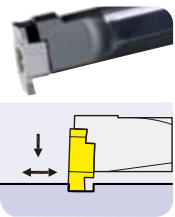
Page	Index	ØD	Insert	
			Item code	Shape

內徑開槽刀 INTERNAL GROOVING TOOLHOLDERS

Page	Index	ØD	Insert	
			Item code	Shape
P.115	DGI	20	DGM30CT DGM40CT	
		25		
		32		
		32	DGM50CT	
		40		

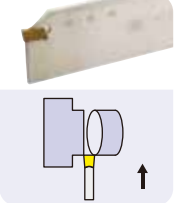
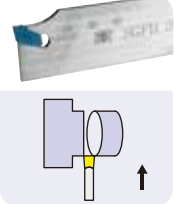
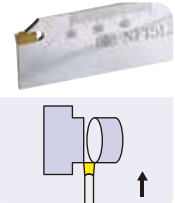
Page	Index	ØD	Insert	
			Item code	Shape
P.116	KIGMR  	16	GMM3014..	
		20	GDM3020..	
		25		GDM4020..
		32		
		40		

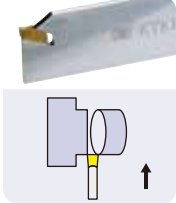
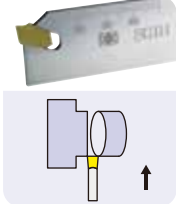
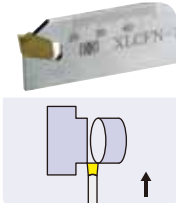
內徑開槽刀 INTERNAL GROOVING TOOLHOLDERS

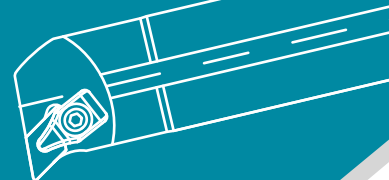
Page	Index	ØD	Insert	
			Item code	Shape
P.117	CIVR-1 	8	CVR..SS	
		10	CVR..S	
		12	CVR..A	
		16	CVR..B	
		20	CVR..C	
		25	CVR..C	
P.120	FSL51 	8	MLG10..L	
		10	MLT1001L	
		12	MLG14..L	
		14	MLT1401L	
		16	MLG20..L	
		20	MLT2001L	

Page	Index	ØD	Insert	
			Item code	Shape
P.118	CIVR-2 	16	CVR..SS CVR..S CVR..A	

切斷切槽刀板 PARTING & GROOVING TOOLHOLDERS

Page	Index	Height	Insert	
			Item code	Shape
P.121	STFH 	26	WCF N3	
		32		
P.122	SGFH 	26	GFN 2/2.4 GFN 3	
		32		
P.123	NF151.2 	26	N151.2-200..	
		32		

Page	Index	Height	Insert	
			Item code	Shape
P.121	KTGB 	26	TKN 3 TKN 4	
		32		
P.122	SGIH 	26	GTN 2/2.4 GTN 3 GTN 4	
		32		
P.123	XLCFN 	26	FX3.1 FX4.1	
		32		

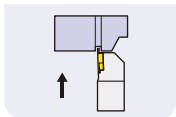
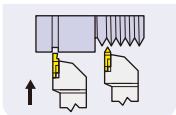
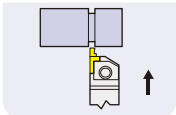
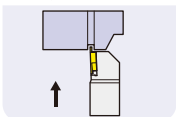


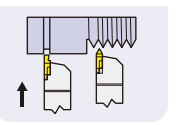
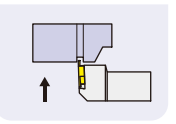
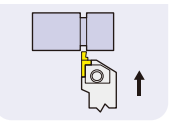
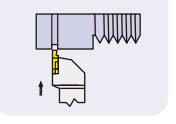
切斷板座 TOOLBLOCK

Page	Index	Height	Blade	
P.124	SGTBU 	16	SGIH26.. SGFH26.. KTKB26.. XLCFN26.. STFH26.. NF151.2-26..	SGIH32.. SGFH32.. KTKB32.. XLCFN26.. STFH32.. NF151.2-32..
		20		
		25		

Page	Index	Height	Blade	
P.124	SGTBV 	25	SGIH26.. SGFH26.. KTKB26.. XLCFN26.. STFH26.. NF151.2-26..	

外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.125	CTBH  	10×10	GTBT.. GTCT..	
		12×12		
		16×16		
P.126	SGH  	12×12	SMGTR16X2.. SMGTR16X2..C SMTTR160360..	 
		16×16		
		20×20		
		25×25		
P.128	WGH  	20×20	MGTR/L33..	
		25×25	MGTR/L43..	
		16×16		
		20×20		
		25×25		
P.131	KTGF_F  	10×10	TGF32R/L	
		10×12		
		12×12		
		16×16		
		20×20		

Page	Index	Height X Width	Insert	
			Item code	Shape
P.126	SGH2  	12×12	SMGTR16X2.. SMGTR16X2..C SMTTR160360..	
		16×16		
		20×20		
P.127	SGSL  	16×16	SMGTR16X2.. SMGTR16X2..C SMTTR160360..	
		20×20		
P.129	WC1  	16×16	MGTR/L33.. MGTR/L43..	
		20×20		
		25×25		
P.131	KTGF  	16×16	TGF32R/L	
		20×20		
		25×25		

內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

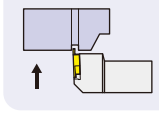
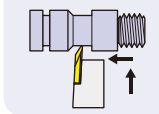
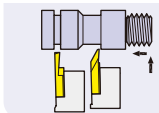
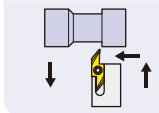
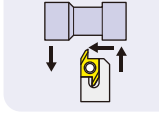
銑刀
MILLING

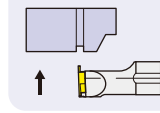
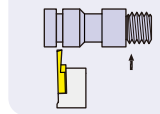
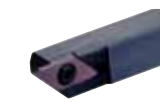
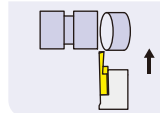
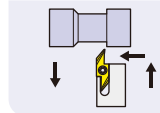
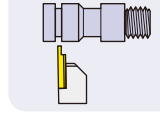
孔加工
BORING TOOLS COMPONENTS

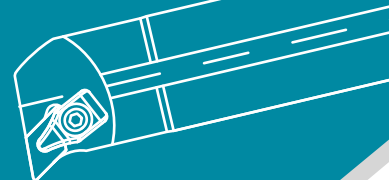
配件
SPARE PARTS

外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

內徑車刀
外徑車刀
牙刀及開槽刀
銑刀
孔加工
配件

Page	Index	Height X Width	Insert	
			Item code	Shape
P.132	KTGFS  	16×16	TGF32R	
		20×20		
P.133 P.134 P.135	SAKGR 	10×10 12×12 16×16 20×20 25×25	AKBR 3.. AKCR 3.. AKPR 3.. AKGR 3.. AKTR 3.. AKRR 3..	
P.139	BTAH  	10×10	BTAT5528.. BTAT6035..	
		12×12		
		16×16		
P.141	CTBH  	10×10	BTBT60.. CTBT..	 
		12×12		
		16×16		
		20×20		
P.143	SABSR  	10×10	ABS15R	
		12×12		
P.144	JSEGR  	10×10	J10ER..B..	
		12×12		

Page	Index	Height X Width	Insert	
			Item code	Shape
P.132	KTGFL  	Ø16	TGF32R	
P.136 P.137 P.138	SDKG 	10×10	DKCR/L 3.. DKPR/L 3.. DKBR/L 4.. DKGR/L 4.. DKTR/L 4.. DKRR/L 4..	
		12×12		
		16×16		
		20×20		
		25×25		
		25×25		
P.140	CTAHR  	10×10	CTAT	
		12×12		
		16×16		
		20×20		
P.142	KTKF  	10×10	TKF12R/L TKF16R/L	
		12×12		
		16×16		
P.143	SABWR  	08×10	ABW15R ABW23R	
		10×10		
		12×12		
		16×16		
		20×20		
		25×25		
P.145	SMALR  	10×10	MAGR3..	
		12×12		
		16×16		
		20×20		



45° 面銑刀 45° FACE MILLING CUTTERS



Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.147 P.148	ASX	Ø50-Ø260	SE..13T3 R245-12T3	
P.150	TFM	Ø50-Ø160	OFMT05T3..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.149	MOF	Ø50-Ø125	OFMT0504..	

直角端銑刀 SHOULDER/CUTTING END MILLS



Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.151 P.152	APM shank	Ø12-Ø35	AOMT1236..	
P.155 P.156	BAP shank	Ø16-Ø32	APMT1135..	
		Ø25-Ø35	APMT1604..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.153	APM modular	Ø16-Ø35	AOMT1236..	
P.154	APM shell	Ø50-Ø80	AOMT1236..	
			AOMT1848..	
P.157	BAP modular	Ø11-Ø36	APMT1135..	
		Ø25-Ø35	APMT1604..	
P.158	BAP shell	Ø40-Ø80	APMT1135..	
		Ø40-Ø125	APMT1604..	

內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

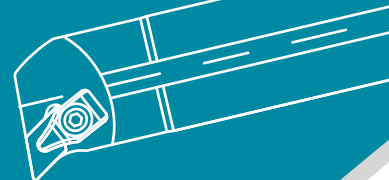
直角端銑刀

SHOULDER/CUTTING END MILLS

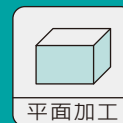


Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.159	BXD shank		Ø25-Ø32	XDGT1550..
	ASV shell			
P.160		Ø50-Ø80	MPHW1205	
P.161	ASM shank		Ø08-Ø17	JDMT0702..
	ASM modular			
		Ø10-Ø25	JDMT0702..	
P.163	AHU shank		Ø16-Ø26	JDMT1003..R
			Ø25-Ø35	JDMT1505..R
P.165	HCP shank		Ø16-Ø33	CPMT0903..
			Ø33	CPMT1204..

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.159	BXD shell	Ø50-Ø80	XDGT1550..	
P.160	AJC modular	Ø16-Ø26	CCMT0602..	
P.162	ASM_R shank		Ø10-Ø17	EDMT070220.. JDMT0702..
	ASM_R modular			
		Ø10-Ø25	EDMT070220.. JDMT0702..	
P.164	AHU modular		Ø16-Ø26	JDMT1003..R
			Ø25-Ø40	JDMT1505..R
	AHU shell	Ø50-Ø80	JDMT1505..R	
P.166	HCP shell		Ø50-Ø63	CPMT0903..
			Ø50-Ø80	CPMT1204..



直角端銑刀 SHOULDER/CUTTING END MILLS



Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.167	UEX shank			
		Ø12-Ø21	APET1202..	
		Ø25-Ø33	ADET1603..	
P.169	WEX shank			
		Ø10-Ø33	AXMT1235..	
		Ø25-Ø33	AXMT1705..	
P.172	WEM shank			
		Ø15-Ø25	APMT1035..	
	WEM modular			
		Ø16-Ø26	APMT1035..	
P.174	MEC shank			
		Ø10-Ø13	BDMT0703..	
		Ø16-Ø32	BDMT11T3..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.168	UEX modular			
		Ø16-Ø33	APET1202..	
		Ø25-Ø33	ADET1603..	
	UEX shell			
		Ø40-Ø100	ADET1603..	
P.170	WEX modular			
		Ø10-Ø33	AXMT1235..	
		Ø26-Ø33	AXMT1705..	
P.171	WEX shell			
		Ø50	AXMT1235..	
		Ø40	AXMT1705..	
P.173	MEA shank			
		Ø12-Ø26	NDK.0903..	
P.175	MEC modular			
		Ø10-Ø13	BDMT0703..	
		Ø16-Ø32	BDMT11T3..	
	MEC shell			
		Ø40-Ø63	BDMT11T3..	

內徑車刀
BORING BARS

外徑車刀
TOOL HOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

直角端銑刀

SHOULDER/CUTTING END MILLS



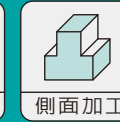
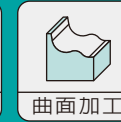
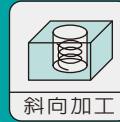
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.176 P.177	TE90A shank 	Ø08-Ø17	AXMT0602..	
		Ø12-Ø35	APKT09T3..	
		Ø25-Ø32	APKT1705..	
P.179	AKS shank 	Ø10-Ø17	XOMT0602	
		Ø16-Ø33	XOMT0903..	
P.181	CAP shank 	Ø16-Ø32	APKT1003..	
		Ø24-Ø35	APKT1604..	
P.185 P.186	VAX shank 	Ø16-Ø35	R390-11T3	
		Ø25-Ø33	R390-1704	
P.189	TPS17 shank 	Ø25-Ø32	ASMT1705	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.176 P.178	TE90A modular 	Ø09-Ø17	AXMT0602..	
		Ø16-Ø35	APKT09T3..	
		Ø26-Ø35	APKT1705..	
P.178	TE90A shell 	Ø50-Ø80	APKT09T3..	
P.180	AKS modular 	Ø10-Ø25	XOMT0602	
		Ø16-Ø33	XOMT0903..	
P.182	CAP modular 	Ø16-Ø26	APKT1003..	
P.183	CAP shell 	Ø40-Ø100	APKT1604..	
P.184	CAPW shell 	Ø80-Ø100	APKT1604..	
P.187	VAX modular 	Ø16-Ø35	R390-11T3	
		Ø26-Ø33	R390-1704	
P.188	VAX shell 	Ø50-Ø100	R390-11T3	
		Ø50-Ø80	R390-1704	
P.189	TPS17 shell 	Ø63-Ø100	ASMT1705	



鑽銑刀

BORING & MILLING CUTTER



Page	Index	Cutter Dia	Insert		
			Item code	Item code	Shape
P.191	AQX shank		Ø16-Ø40	00.T0830R.. 00.T1035R.. 00.T1342R.. 00.T1651R.. 00.T1856R.. 00.T2062R..	
P.193	AJU shank		Ø08-Ø11	CCMT060204..	--
			Ø12-Ø13	CPMT080204Z	--
			Ø16-Ø17	CPMT080204Z	CCMT060204..
			Ø20-Ø21	CPMT090204Z	CCMT060204..
			Ø25-Ø26	CPMT120308Z	CPMT090308..
			Ø32-Ø33	CPMT160408Z	CPMT120408..
P.195	ASJ shank		Ø20-Ø21	ADMT1003..L	ACMT1003..R
			Ø25-Ø26	ADMT12T3..L	APMT12T3..R
			Ø32-Ø33	APMT1604..L	APMT1504..R
			Ø35	APMT1704..L	APMT1504..R
P.197	ASJ shank (4 teeth)		Ø20-Ø21	ADMT1003..L	ACMT1003..R
			Ø25-Ø26	ADMT12T3..L	APMT12T3..R
			Ø32-Ø33	APMT1604..L	APMT1504..R
			Ø35	APMT1704..L	APMT1504..R
P.199 P.200	RT shank		Ø06-Ø21	RT0702..	--
			Ø16-Ø35	RT1003..	

Page	Index	Cutter Dia	Insert		
			Item code	Item code	Shape
P.192	AQX modular		Ø16-Ø33	00.T0830R.. 00.T1035R.. 00.T1342R.. 00.T1651R..	
P.194	AJU modular		Ø16-Ø17	CPMT080204Z	CCMT060204..
			Ø20-Ø21	CPMT090204Z	CCMT060204..
			Ø25-Ø26	CPMT120308Z	CPMT090308..
			Ø32-Ø33	CPMT160408Z	CPMT120408..
P.196	ASJ modular		Ø20-Ø21	ADMT1003..L	ACMT1003..R
			Ø25-Ø26	ADMT12T3..L	APMT12T3..R
			Ø32-Ø33	APMT1604..L	APMT1504..R
			Ø35	APMT1704..L	APMT1504..R
			Ø40	APMT1905..L	APMT1504..R
P.198	PG shank		Ø20-Ø21	PG100308..	--
			Ø25-Ø26	PG130408..	--
			Ø32-Ø33	PG160408..	--
P.201	RT modular		Ø09-Ø21	RT0702..	--
			Ø16-Ø35	RT1003..	
P.202	RT shell		Ø50-Ø66	RT1003..	

內徑車刀
BORING BARS

外徑車刀
TOOL HOLDERS

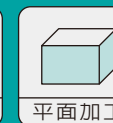
牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

高進給銑刀 HIGH FEED MILLS



內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

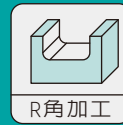
配件
SPARE PARTS

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.203	AJX shank 	Ø20-Ø22	JO..06T2	
		Ø20-Ø35	JO..0803	
		Ø32-Ø40	JD..1204 WD..1204	
P.205	ASR shank 	Ø20	EPNW0803..	
		Ø25-Ø35	EDNW10T3..	
		Ø32-Ø35	EDNW13T4..	
	ASR modular 	Ø20	EPNW0803..	
		Ø25	EDNW10T3..	
		Ø35	EDNW13T4..	
P.207	ASRS shank 	Ø16-Ø35	EPMT0603..	
	ASRS modular 	Ø16-Ø42	EPMT0603..	
P.209	EXN shank 	Ø16-Ø26	LNMU03..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.204	AJX modular 	Ø16	JO..06T2	
		Ø21-Ø35	JO..0803	
	AJX shell 	Ø50-Ø80	JD..1204 WD..1204	
		Ø63-Ø100	JD..1405 WD..1405	
P.206	ASR shell 	Ø50-Ø80	EDNW13T4..	
		Ø63-Ø100	EDNW15T4..	
P.208	ASRF4 modular 	Ø32-Ø42	SD..1205	
	ASRF4 shell 	Ø42-Ø80	SD..1205	
P.210	TEBL modular 	Ø16-Ø35	BLMP0603..	



圓刃銑刀 CORNER ROUNDING END MILLS



Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.211	BRP/RP shank 	Ø20	RP..08T2	
		Ø25	RP..10T3	
		Ø25-Ø32	RP..1204	
		Ø20-Ø26	RP..1003	
P.212	RPM shell 	Ø50-Ø100	RP..1204	
P.213 P.214	ARD shank 	Ø10-Ø13	RD..0501	
	HAR shank 	Ø12-Ø26	RD..0802	
		Ø25-Ø40	RD..10T3	
		Ø25	RD..1204	
P.217 P.218	HAR shell 	Ø40-Ø86	RD..10T3	
		Ø50-Ø80	RD..1204	
		Ø50-Ø160	RD..1604	
P.219 P.220	RD shank 	Ø09-Ø17	RD..0501	
		Ø15-Ø35	RD..0702	
		Ø20-Ø35	RD..1003	
P.222	RD shell 	Ø50-Ø66	RD..1003	
P.223	TR shank 	Ø20-Ø35	RD..1003	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.211	BRP/RP modular 	Ø25-Ø26	RP..1204	
		Ø20-Ø35	RP..1003	
P.215 P.216	HAR modular 	Ø10-Ø17	RD..0501	
	HAR modular 	Ø16-Ø25	RD..0802	
		Ø20-Ø42	RD..10T3	
		Ø25-Ø42	RD..1204	
P.221	RD modular 	Ø09-Ø17	RD..0501	
		Ø15-Ø35	RD..0702	
		Ø20-Ø42	RD..1003	
P.223	TR modular 	Ø20-Ø35	RD..1003	
P.224	TR shell 	Ø50-Ø66	RD..1003	

內徑車刀
BORING BARS

外徑車刀
TOOL HOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

球型銑刀 BALL END MILLS



Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.225	SE shank		QP.12/0903 QP.16/12T3 QP..20/1504	
		Ø12-Ø20		

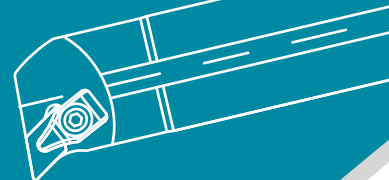
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.226	SR shank		ZP 1200.. ZP 1600.. ZP 2000.. ZP 2500..	
	SR modular			
		Ø12-Ø25		

球型銑刀 BALL END MILLS



Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.227	WGR shank		WGRMT-D08 WGRMT-D30	
	WGR modular			
		Ø8-Ø30	P3201-D08 P3201-D30	
P.229	PPH shank		PPH-0800.. PPH-2500..	
	PPH modular			
		Ø8-Ø25	BNM-080.. BNM-250..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.228	GWV shank		WPV 12.. WPV 20..	
	GWV modular			
		Ø12-Ø20	WPV 20.. WPV 25..	
P.230	PPHT shank		PPHT-1200.. PPHT-1600.. PPHT-2000..	
	PPHT modular			
		Ø12-Ø20	SUFT12R.. SUFT16R.. SUFT20R..	



T型銑刀 T-SLOT END MILLING CUTTERS



溝加工



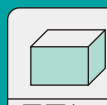
T槽加工

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.231	CCT shank	Ø21-Ø40	CCMT0602..	
		Ø32-Ø45	CCMT0803..	
		Ø40-Ø50	CCMT09T3..	
		Ø50	CCMT1204..	
	CCT shell	Ø100-Ø125	CCMT0602..	
		Ø80	CCMT0803..	

DCWR銑刀 DCWR CUTTING MILLS



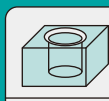
側面加工



平面加工

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.232	DCWR60° shank	Ø20-Ø30	DCMT0702..	
		Ø40-Ø60	DCMT11T3..	
	DCWR75° shank	Ø50	DCMT11T3..	

倒角刀 CHAMFER MILLS



孔倒角



倒角加工



倒角加工



倒角加工

Page	Index	ØD	Insert	
			Item code	Shape
P.233	TCRM shank	21.5	TCMX16T308	
	TCR shank	25	TC..16T3	

Page	Index	ØD	Insert	
			Item code	Shape
P.234	VMSP shank	22-35	SP..0903	
	VMSP modular	35	SP..0903	
	TPR shank	4	TP..1603	

內徑車刀
BORING BARS

外徑車刀
TOOL HOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

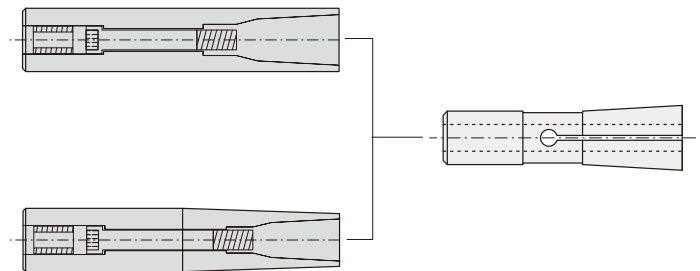
孔加工
BORING TOOLS COMPONENTS

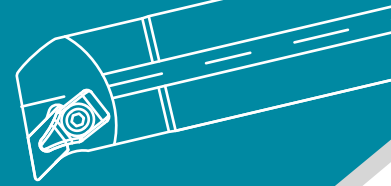
配件
SPARE PARTS

連接式刀桿 EXTENSION ADAPTER

Page	Index	ØD	M	
P.235 P.236	MD 	12-32	M5-M16	
	MD 	16-42	M6-M16	
	HD Carbide 	Ø8-32	M4-M16	
	Arbor 	BT40		

錫鋼後拉式刀桿 CARBIDE HDC CHUCK & COLLET

Page	Index	ØD	Collet	
P.237	HDC chuck 	8-20	HDC 4 HDC 6 HUC 10	
	HDC chuck 	12-25	HDC 4 HDC 6 HUC 10	
	HDC collet 	3-10		

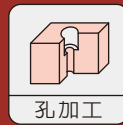


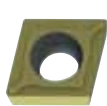
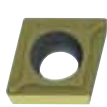
替換式快速鑽頭 INDEXABLE INSERTS HIGH SPEED DRILLS

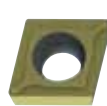
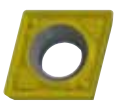
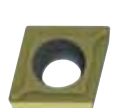
Page	Index	ØD	Insert	
			Item code	Shape
P.239	DW shank 	18-40	WC..030208	
			WC..040208	
			WC..050308	
			WC..06T308	

Page	Index	ØD	Insert	
			Item code	Shape
P.240	DWD shank 	13-39	WD..04..	
			WD..05..	
			WD..06..	
			WD..07..	
			WD..09..	
			WD..12..	

固定式粗搪刀 FIXED ROUGH BORING BARS

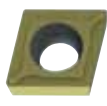


Page	Index	ØD	Insert	
			Item code	Shape
P.241 P.242	TB shank 	8-57	CC..060204	
			CC..09T304	
P.245 P.246 P.247	TB shell 	45-201	CC..09T304	
			CC..120404	
P.248	TBP shell 	70-100	CP..090308	

Page	Index	ØD	Insert	
			Item code	Shape
P.243 P.244	TB..E shank 	8-57	CC..060204	
			CC..09T304	
P.248	TBP shank 	26-40	CP..090308	
P.248	TB modular 	13-25	CC..060204	

可調式粗搪刀 ADJUSTABLE ROUGH BORING BARS



Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.249	TBJ 	175-425	CC..120404	

Page	Index	Cutter Dia	Insert	
			Item code	Shape

內徑車刀
BORING BARS

外徑車刀
TOOL HOLDERS

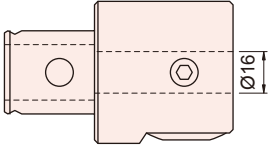
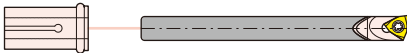
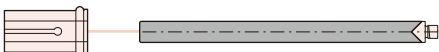
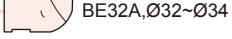
牙刀 & 開槽刀
THREADING & GROOVING

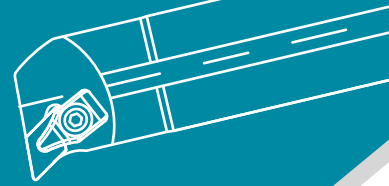
銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

搪孔刀頭 & 配件 BORING HEAD & PART

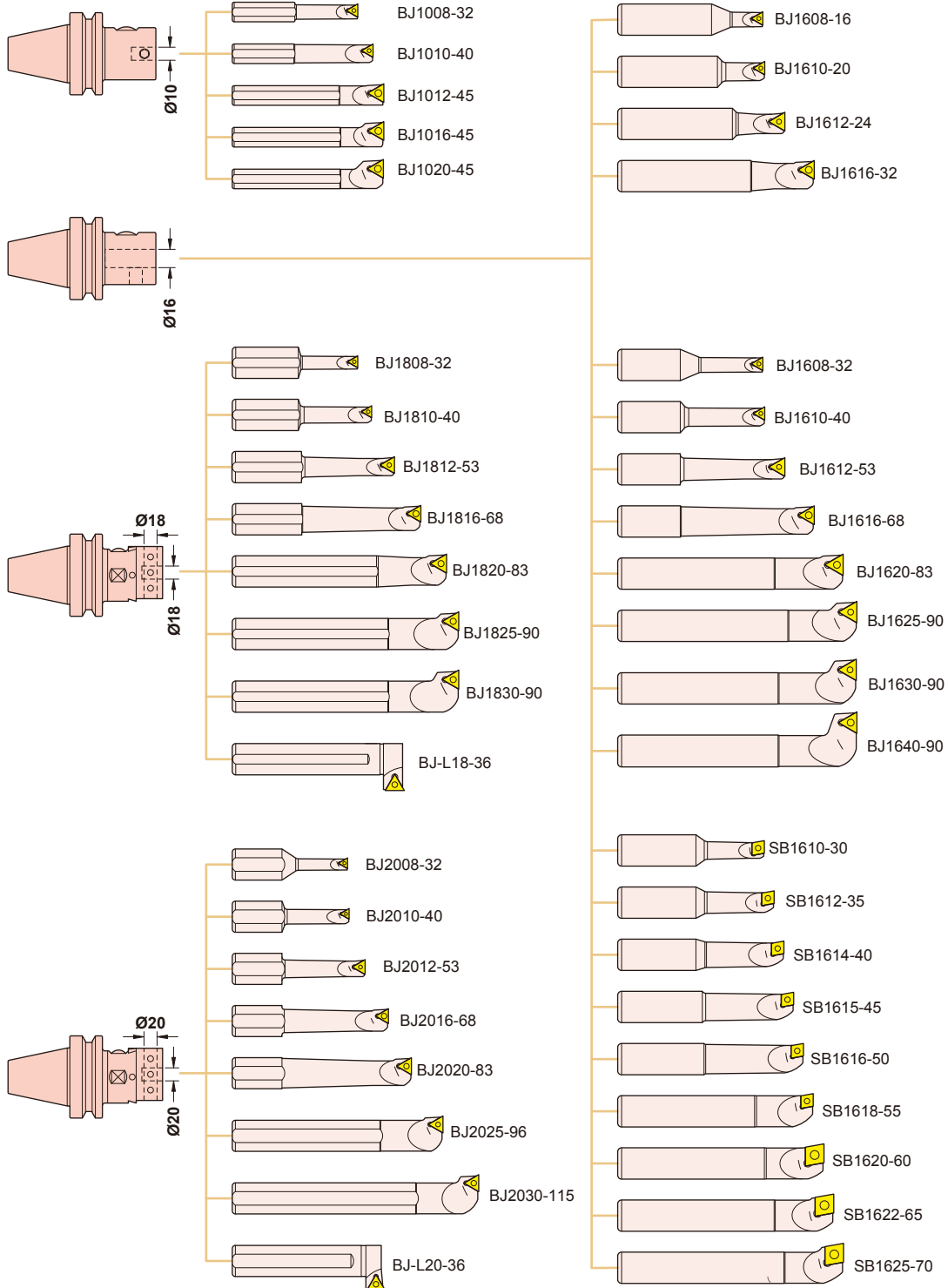
Page	
	
	 EC1605 SC05H-SWUBR-06 $\varnothing 6 \sim \varnothing 7.5$
	 EC1606 SC06J-SWUBR-06 $\varnothing 7 \sim \varnothing 9$
	 EC1608 SC08-M5-115 $\varnothing 9 \sim \varnothing 10.5$
P.251 P.252	 BE10.5A, $\varnothing 10.5 \sim \varnothing 12$
	 BE12A, $\varnothing 12 \sim \varnothing 14$
	 BE14A, $\varnothing 14 \sim \varnothing 16$
	 BE16A, $\varnothing 16 \sim \varnothing 18$
	 BE18A, $\varnothing 18 \sim \varnothing 20$
	 BE20A, $\varnothing 20 \sim \varnothing 22$
	 BE22A, $\varnothing 22 \sim \varnothing 24$
	 BE24A, $\varnothing 24 \sim \varnothing 26$
	 BE26A, $\varnothing 26 \sim \varnothing 28$
	 BE28A, $\varnothing 28 \sim \varnothing 30$
	 BE30A, $\varnothing 30 \sim \varnothing 32$
	 BE32A, $\varnothing 32 \sim \varnothing 34$
	 BE34A, $\varnothing 34 \sim \varnothing 36$
	 BE36A, $\varnothing 36 \sim \varnothing 38$
	 BE38A, $\varnothing 38 \sim \varnothing 40$
	 BE40A, $\varnothing 40 \sim \varnothing 42$
	 BE42A, $\varnothing 42 \sim \varnothing 44$
	 BE44A, $\varnothing 44 \sim \varnothing 46$
	 BE46A, $\varnothing 46 \sim \varnothing 48$
	 BE48A, $\varnothing 48 \sim \varnothing 50$
	 BE50A, $\varnothing 50 \sim \varnothing 52$
	 SC16-M10-105
	 SC16-M10-140
	 SC16-M10-180



小徑搪刀 BORING SHANK

Page

P.253
P.254
P.255
P.256



內徑車刀
BORING BARS

外徑車刀
TOOL HOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

小徑搪刀 BORING SHANK

內徑車刀
BORING BARS

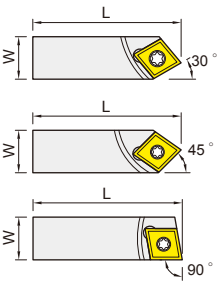
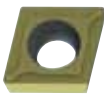
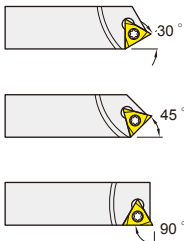
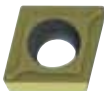
外徑車刀
TOOLHOLDERS

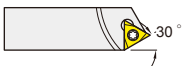
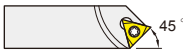
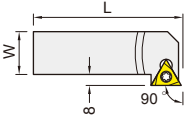
牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

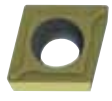
配件
SPARE PARTS

Page	Index	Height × Width	Insert	
			Item code	Shape
P.257	TBS 	6×6	CC..0602	
		8×8		
		10×10		
		13×13	CC..09T3	
		16×16		
		19×19	CC..1204	
		25×25		
	SBS 	6×6	TP..0902	
		8×8		
		10×10		
		13×13	TP..1103	
		16×16		
		16×16	TP..1603	
		19×19		
	25×25			
	TBSL 	6×6	CC..0602	
		8×8		
		10×10		
		13×13	CC..09T3	
		16×16		
		19×19	CC..1204	
		25×25		

Page	Index	Height × Width	Insert		
			Item code	Shape	
P.257	TSBS	6×6	TC..0902		
		8×8			
		10×10			
		13×13	TC..1102		
		16×16	TC..16T3		
		19×19			
		25×25			
	SBS..A	8×8	TP..0902		
		10×10			
		13×13	TP..1103		
		16×16			
		19×19	TP..1603		
	BSB		16×16	TP..1103	
			20×20		



卡式刀座 Cartridges

Page	Index	Height	Insert	
			Item code	Shape
P.258	SCFR 	08CA	CC..0602..	
		10CA	CC..09T3..	
		12CA	CC..1204..	
P.258	SSSPR 	10CA	SP..0903..	
P.258	STFPR 	08CA	TP..0902..	
		10CA	TP..1103..	
		12CA	TP..1603..	
P.259	STSPR 	08CA	TP..0902..	
		10CA	TP..1103..	
		12CA	TP..1603..	
P.259	STTCR 	08CA	TC..0902..	

Page	Index	Height	Insert	
			Item code	Shape
P.258	SRSCR 	10CA	RC..10T3..	
P.258	STFCR 	08CA	TC..0602..	
		10CA	TC..1102..	
		12CA	TC..16T3..	
P.259	STGCL 	12CA	TC..16T3..	
P.259	STSCR 	08CA	TC..0902..	
		10CA	TC..1102..	
		12CA	TC..16T3..	

內徑車刀
BORING BARS

外徑車刀
TOOL HOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

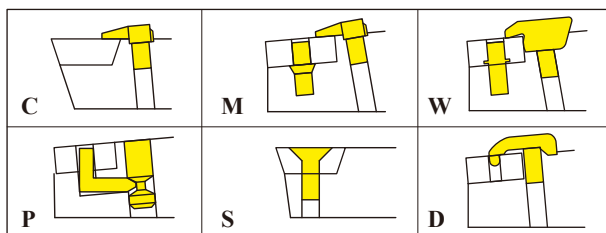
銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

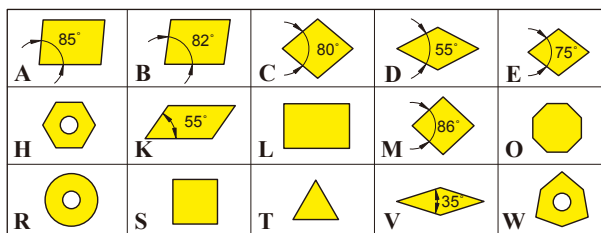
配件
SPARE PARTS

M	C	L	N	R	2	5	2	5	M	1	2	*
1	2	3	4	5	6	7	8	9	10	11	12	13

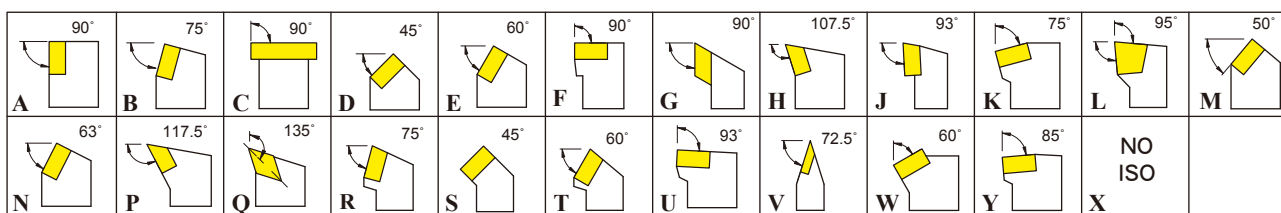
1 刀片夾持方式 TYPE OF LOCKING



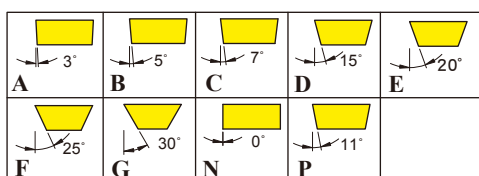
2 刀片形狀 INSERT SHAPE



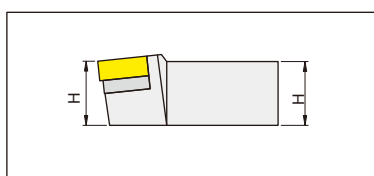
3 切入角 TYPE OF TOOL



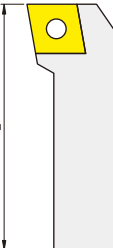
4 刀片逃隙角 RAKE ANGLES



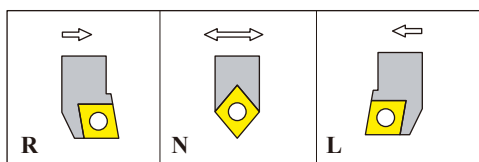
6/7 刀柄高度 SHANK HEIGHT



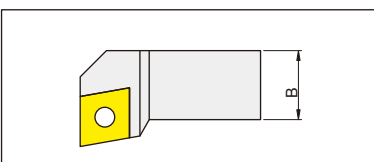
10 刀柄長度 TOOL LENGTH

	32	A
	40	B
	50	C
	60	D
	70	E
	80	F
	90	G
	100	H
	110	J
	125	K
	140	L
	150	M
	160	N
	170	P
	180	Q
	200	R
	250	S
300	T	
350	U	
400	V	
450	W	
500	Y	
SPECIAL	X	

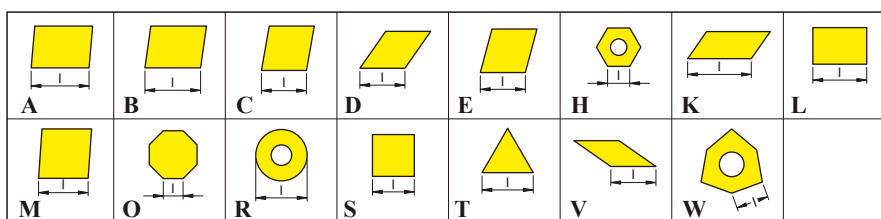
5 方向 HAND OF TOOL



8/9 刀柄寬度 SHANK WIDTH

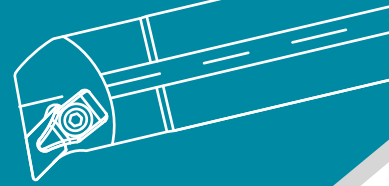


11/12 切刃長 CUTTING EDGE LENGTH



13 特殊註記 OPTIONAL CODE

INSERTS R-L



TOOLS DESIGNATION: INTERNAL TURNING

S	2	0	R	S	C	L	C	R	0	9	*
6	8	9	10	1	2	3	4	5	11	12	13

6

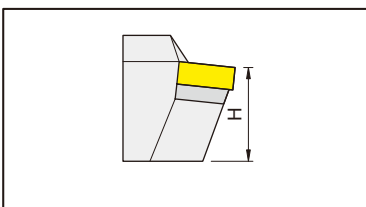
刀柄 SHANK

S = 鋼柄 Steel shank
 A = 鋼柄+中心水孔 Steel shank+coolant hole
 B = 抗震鋼柄 Steel shank+device anti-vibration
 C = 鎢鋼柄 Cemented carbide shank with steel head
 D = 抗震鋼柄+中心水孔 Steel shank+device anti-vibration+coolant hole
 E = 鎢鋼柄+中心水孔 Cemented carbide shank with steel head+coolant hole
 F = 抗震鎢鋼柄 Cemented carbide shank with steel head+device anti-vibration
 G = 抗震鎢鋼柄+中心水孔 Cemented carbide shank with steel head+device anti-vibration+coolant hole
 H = 重金屬 Heavy metal shank
 J = 重金屬+中心水孔 Heavy metal shank+coolant hole

卡式刀座指定系統 CARTRIDGES DESIGNATION

S	T	F	C	R	1	0	C	A	1	1
1	2	3	4	5	6	7	8	9	11	12

6/7 SHANK HEIGHT



8 TYPE OF TOOL

C=Cartridge

9 EXECUTION

A=ISO 5611

內徑車刀
BORING BARS

外徑車刀
TOOLHOLDERS

牙刀 & 開槽刀
THREADING & GROOVING

銑刀
MILLING

孔加工
BORING TOOLS COMPONENTS

配件
SPARE PARTS

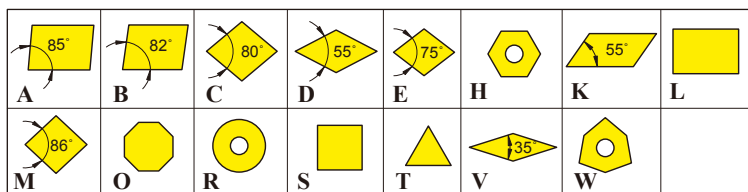
C N M G

1 2 3 4

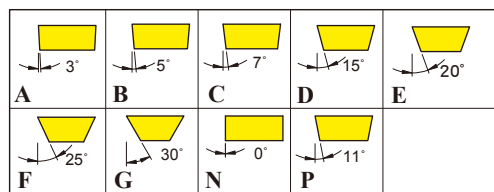
12 04 08 (E) (N) (MR)

5 6 7 8 9 10

1 刀片形狀 INSERT SHAPE



2 刀片逃角 CLEARANCE ANGLE



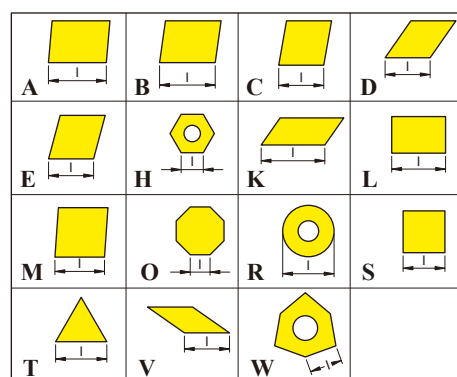
3 刀片公差 TOLERANCES CLASS

	Tolerance		
	d±	m±	s±
A	0.025	0.005	0.025
C	0.025	0.013	0.025
E	0.025	0.025	0.025
F	0.013	0.005	0.025
G	0.025	0.025	0.05-0.13
H	0.013	0.013	0.025
J	0.05-0.15	0.005	0.025
K	0.05-0.15	0.013	0.025
L	0.05-0.15	0.025	0.025
M	0.05-0.15	0.08-0.2	0.05-0.13
N	0.05-0.15	0.08-0.2	0.025
U	0.08-0.25	0.13-0.38	0.13

4 刀片溝孔 INSERT FEATURES

A		
C		
F		
G		
H		
J		
M		
N		
Q		
R		
T		
U		
W		
X	Special shape	

5 刀片邊長 EDGE LENGTH



8 刀口角度 CUTTING EDGE

E	F	T	S
Rounded	Sharp	Chamfered	Chamfered and rounded

6 刀片厚度 TIP THICKNESS

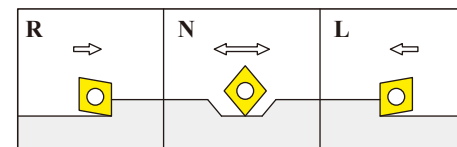
Index	01	T1	02	03	T3	04	05	06	07	09
S(mm)	1.59	1.98	2.38	3.18	3.97	4.76	5.56	6.35	7.94	9.52

7 刀尖R角 CORNER RADIUS

Index	02	04	08	12	16	24	00
r(mm)	0.2	0.4	0.8	1.2	1.6	2.4	0

00: Round insert (inch)
MO: Round insert (metr)

9 刃口方向 CUTTING DIRECTION



10 排屑槽 Manufacture's type designation

Chip breaker design

-MG -M -MR -D -DK