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 can be 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.

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

內徑車刀 BORING BARS

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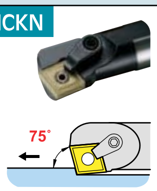
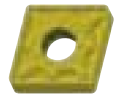
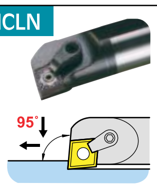
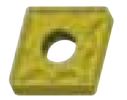
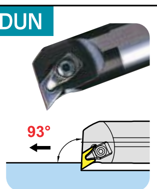
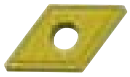
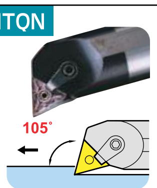
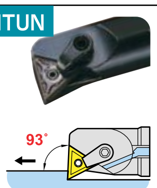
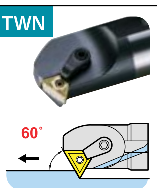
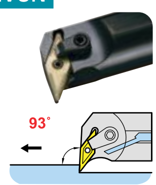
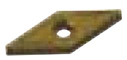
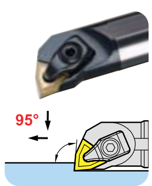
P.001	MCKN 	20 25 32 40 50 60	CN..1204	
P.002	MCLN 	20 25 32 40 50 60	CN..1204	
P.003	DDUN 	32 40 50	DN..1504 DN..1506	
P.004	MTQN 	20 25 32	TN..1604	
P.005	MTUN 	20 25 32 40 50 60	TN..1604	
P.006	MTWN 	20 25 32	TN..1604	
P.007	MVUN 	25 32 40 50	VN..1604	
P.009	DWLN 	20 25 32 40	WN..0804	

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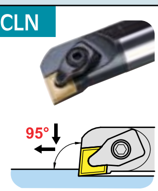
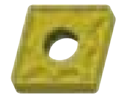
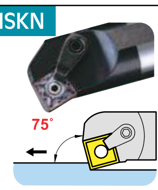
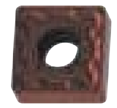
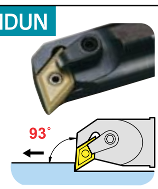
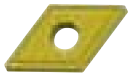
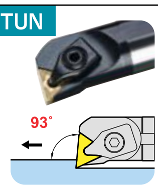
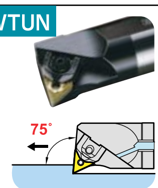
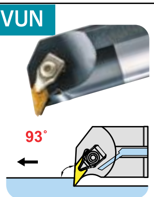
P.001	DCLN 	20 25 32 40	CN..1204	
P.002	MSKN 	25 32 40 50 60	SN..1204	
P.003	MDUN 	25 32	DN..1504 DN..1506	
P.004	DTUN 	20 25 32 40 50	TN..1604	
P.006	WTUN 	32 40 50 60	TN..1604	
P.007	DVUN 	40 50	VN..1604	
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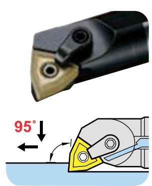
P.009	MWLN 	20 25 32 40 50 60	WN..0804	

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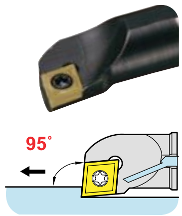
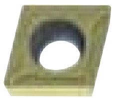
P.011	SCLC 	8	CC..0602	
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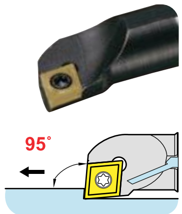
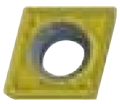
P.013	SCLP 	8	CP..0602	
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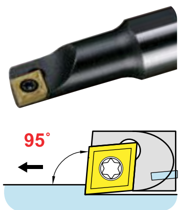
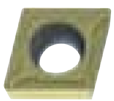
P.015	SCLC/P 	1004	CC..03S1	
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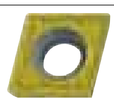
		1612	CP..0802	
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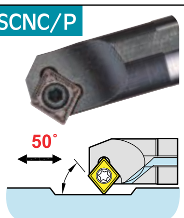
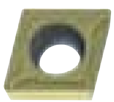
P.017	SCNC/P 	12	CC..0602	
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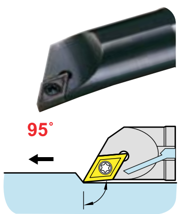
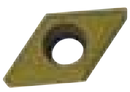
P.018	SDJC 	8	DC..0702	
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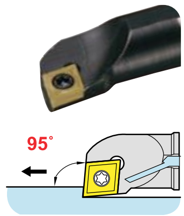
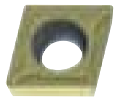
P.012	SCLC.. Carbide shank 	4	CC..03S1	
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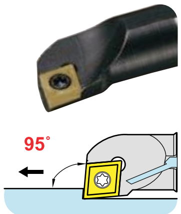
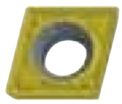
P.014	SCLP.. Carbide shank 	10	CP..0802	
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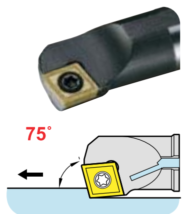
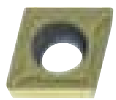
P.016	SCKC/P 	8	CC..0602	
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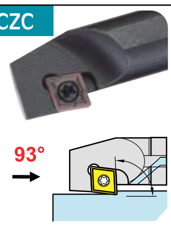
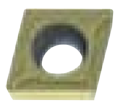
P.017	SCZC 	8	CC..0602	
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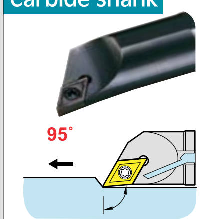
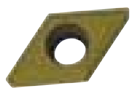
P.018	SDJC.. Carbide shank 	8	DC..0702	
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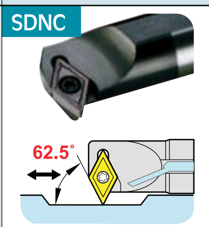
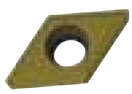
P.019	SDNC 	12	DC..0702	
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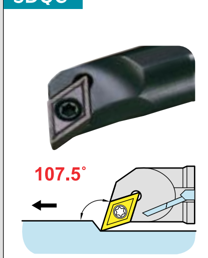
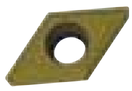
P.020	SDQC 	10	DC..0702	
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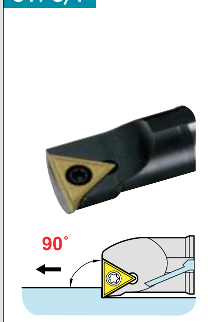
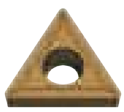
P.022	STFC/P 	6	TC..0601	
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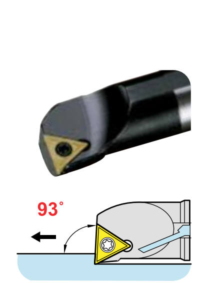
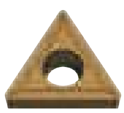
P.023	STUB/C 	6	TB..0601	
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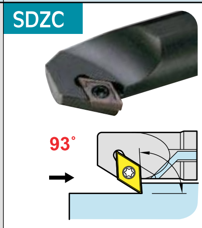
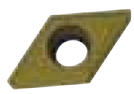
P.019	SDZC 	10	DC..0702	
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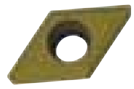
P.021	SDUC 	10	DC..0702	
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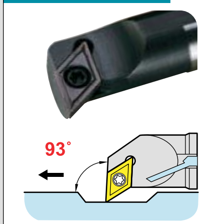
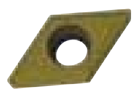
P.021	SDUC Carbide shank 	10	DC..0702	
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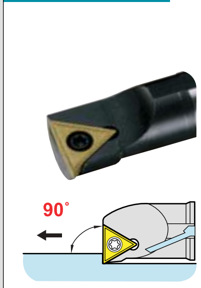
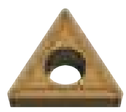
P.022	STFB/C.. Carbide shank 	6	TC..0601	
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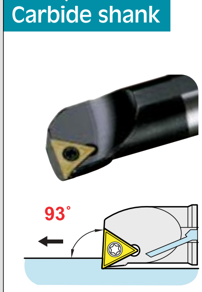
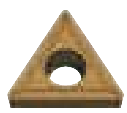
P.024	STUB/C.. Carbide shank 	6	TB..0601	
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		8		
		8	TC..0902	
		10		
		12		
		14		
		10	TC..1102	
		12		
		16		

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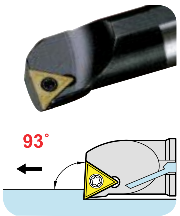
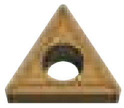
P.025	STUP 	8	TP..0802	
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		8	TP..0902	
		10		
		10	TP..1103	
		12		
		14		
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		16		
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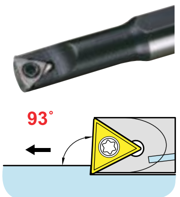
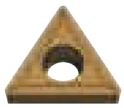
		25		
		20	TP..1603	
		25	TP..16T3	
		32	TP..1604	
P.027	STUB/C 	0806	TB..0601	
		0807		
		1207		
		1206	TC..0601	
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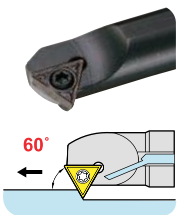
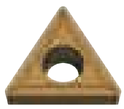
P.028	STWB/C 	0806	TB..0601	
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		10	TC..1102	
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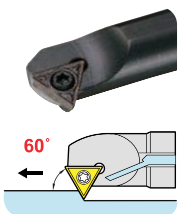
		20	TC..16T3	
		25		
		32		
P.028	STWP 	8	TP..0802	
		8	TP..0902	
		10		
		10	TP..1103	
		12		
		14		
		16		
		20		
		20	TP..1603	

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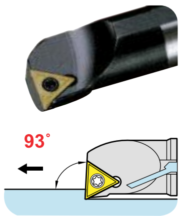
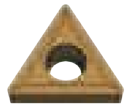
P.026	STUP.. Carbide shank 	8	TP..0802	
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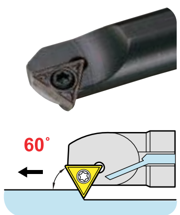
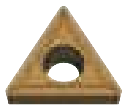
		12		
		8	TP..0902	
		10		
		10	TP..1103	
		12		
		14		
		16		
		20		
		25		
		20	TP..16T3	
		20	TP..1604	
P.028	STWC/P.. Carbide shank 	12	TC..1102	
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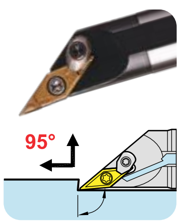
		8	TP..0902	
		12	TP..1103	
P.029	SVJB/C..CL 	16	VB/VC..1103	
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		20	VB/VC..1604	
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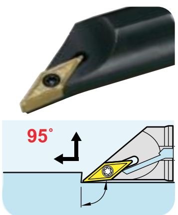
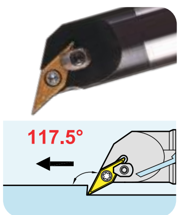
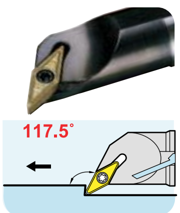
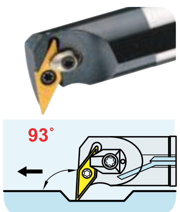
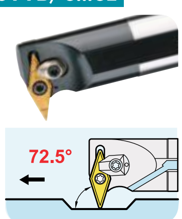
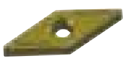
P.030	SVJB/C 	8 10	VC..0802	
		10 12 16 20	VB..1103 VC..1103	
		16 20 25 32 40	VB..1604 VC..1604	
P.032	SVQB/C...CL 	12 16 20	VB..1103	
		20 25 32 40	VB..1604 VC..1604	
P.033	SVQB/C 	12 16 20	VB..1103 VC..1103	
		20 25 32 40	VB..1604 VC..1604	
P.035	SVUB/C...CL 	16 20	VB..1103 VC..1103	
		20 25 32 40	VB..1604 VC..1604	
	SVUB/C...CL Carbide shank	16 20	VB..1103 VC..1103	
		20 25	VB..1604 VC..1604	
P.037	SVVB/C...CL 	16 20	VB..1103 VC..1103	
		25 32	VB..1604 VC..1604	

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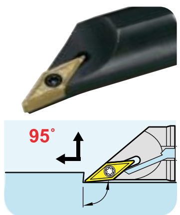
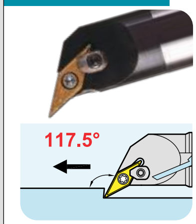
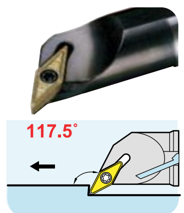
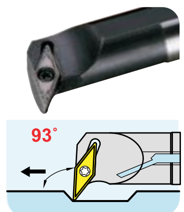
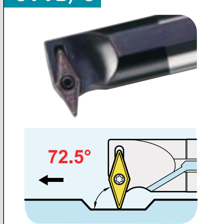
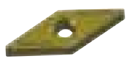
P.031	SVJB/C.. Carbide shank 	8 10	VC..0802	
		10 12 16 20	VB..1103 VC..1103	
		16 20 25	VB..1604 VC..1604	
P.032	SVQB/C..CL Carbide shank 	20 25	VB..1604 VC..1604	
P.034	SVQB/C.. Carbide shank 	12 16 20	VB..1103 VC..1103	
		20 25	VB..1604 VC..1604	
P.036	SVUB/C 	12 1612	VC..0802	
		16 20	VB..1103 VC..1103	
		25 32 40	VB..1604 VC..1604	
P.037	SVVB/C 	25 32	VB..1604 VC..1604	

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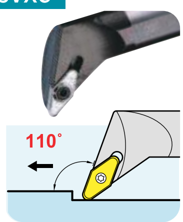
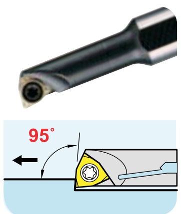
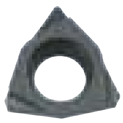
P.038	SVXC 	25	VC..2205	
P.039	SWLC 	0805 1005 1006	WC..0201	

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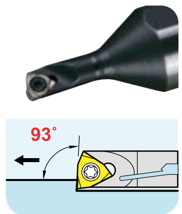
P.038	SVXC 	25	VC..2205	
P.039	SWUB 	1005 1006 1007 1205 1605	WB..0601	
	SWUB Carbide shank	5 6 7	WB..0601	

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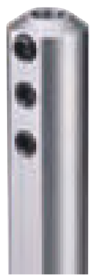
P.051 P.052	SHB 	16	02-10
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		20	02-12
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		22..PT02	03-12
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		25.4	04-20
P.053	NC...MTA 	25	MTA1-MTA3
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P.054	SBHA 	16	32
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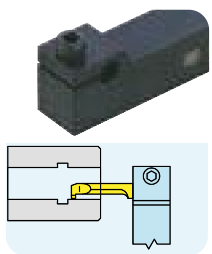
P.054	CH 	20	5
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			12

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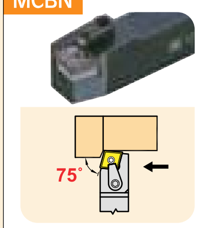
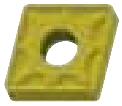
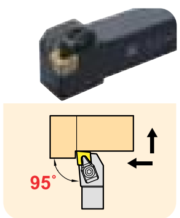
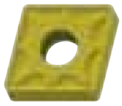
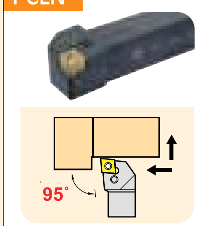
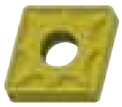
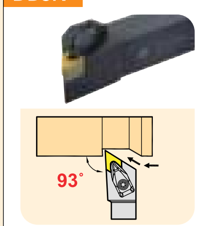
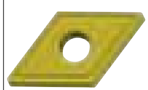
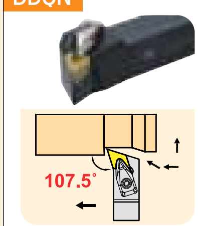
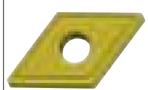
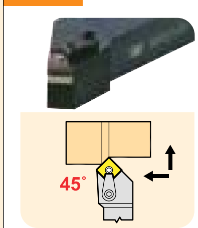
P.056	MCBN 	16×16 20×20 25×25 32×32	CN..1204	
P.057	DCLN 	16×16 20×20 25×25 32×32	CN..1204	
P.058	PCLN 	20×20 25×25 32×32	CN..1204	
P.059	DDJN 	20×20 25×25 32×32	DN..1504 DN..1506	
P.060	DDQN 	20×20 25×25 32×32	DN..1504 DN..1506	
P.061	MSSN 	16×16 20×20 25×25	SN..1204	

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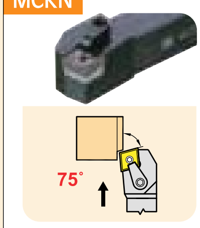
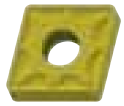
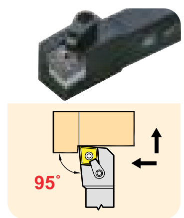
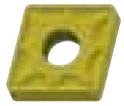
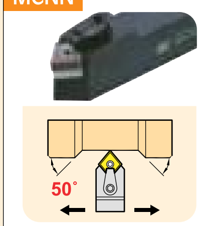
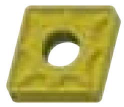
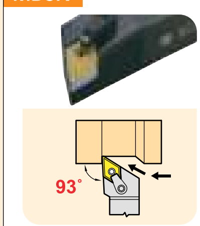
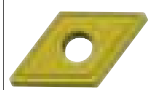
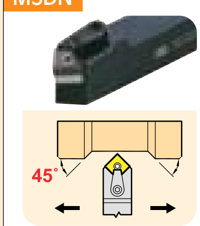
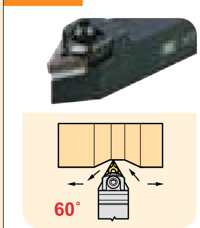
P.056	MCKN 	16×16 20×20 25×25 32×32	CN..1204	
P.057	MCLN 	16×16 20×20 25×25 32×32	CN..1204	
P.058	MCNN 	16×16 20×20 25×25 32×32	CN..1204	
P.059	MDJN 	20×20 25×25	DN..1504 DN..1506	
P.060	MSDN 	16×16 20×20 25×25	SN..1204	
P.061	MTEN 	12×16 16×16 20×20 25×25	TN..1604	

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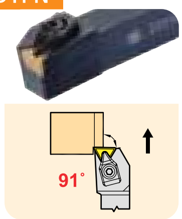
P.062	DTFN 	16×16	TN..1604	
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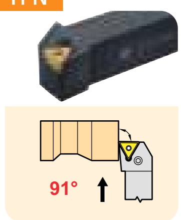
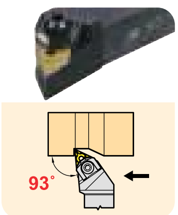
		25×25		
		32×32		
P.063	PTFN 	20×20	TN..1604	
		25×25		
P.064	MTJN 	12×16	TN..1604	
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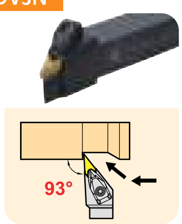
		25×25	TN..2204	
		32×32		
P.065	DVJN 	20×20	VN..1604	
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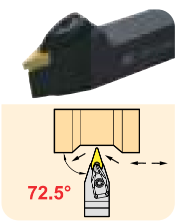
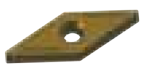
		32×32		
P.066	DVQN 	20×20	VN..1604	
		25×25		
		32×32		
P.067	DVVNN 	16×16	VN..1604	
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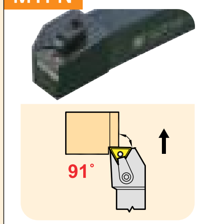
			Item code	Shape
P.062	MTFN 	16×16	TN..1604	
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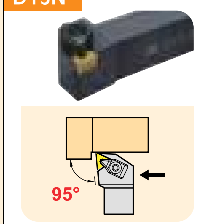
P.063	DTJN 	20×20	TN..1604	
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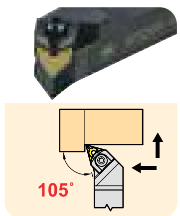
		32×32		
P.064	MTQN 	20×20	TN..1604	
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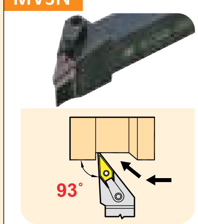
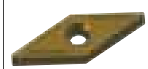
P.065	MVJN 	12×16	VN..1604	
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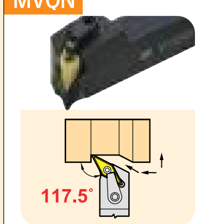
P.066	MVQN 	20×20	VN..1604	
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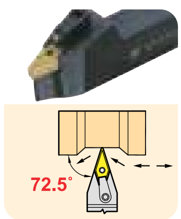
P.067	MVVNN 	16×16	VN..1604	
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		25×25		

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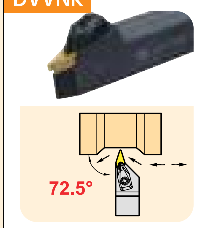
P.068	DVVNR 	20×20	VN..1604	
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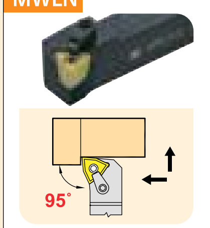
P.069	MWLN 	20×20	WN..0804	
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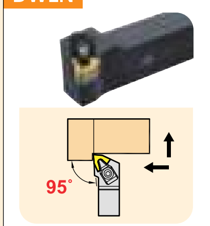
P.070	DWLN 	20×20	WN..0804	
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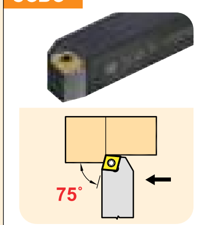
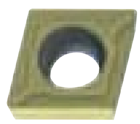
P.071	SCBC 	16×16	CC..09T3	
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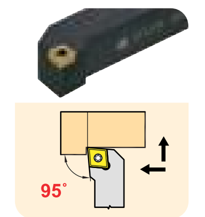
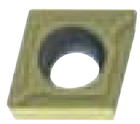
P.072	SCLC 	10×10	CC..0602	
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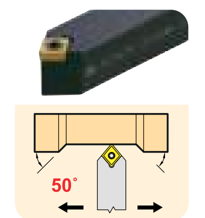
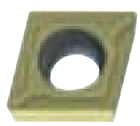
		20×20	CC..1204	
		25×25		
		32×32		
P.073	SCNC 	16×16	CC..0602	
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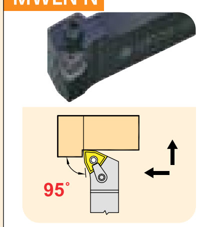
P.069	MWLN-N 	20×20	WN..0804	
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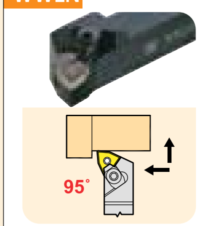
P.070	WWLN 	16×20	WN..0804	
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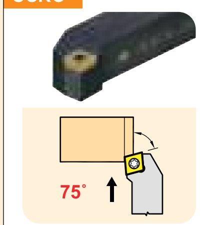
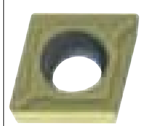
P.071	SCKC 	12×12	CC..09T3	
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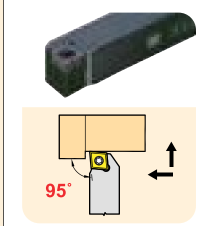
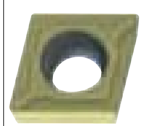
P.072	SCL2C 	08×08	CC..0602	
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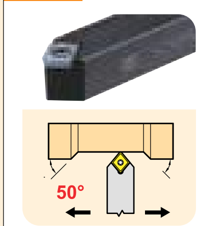
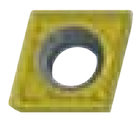
P.073	SCNP 	12×12	CP..0903	
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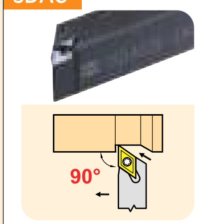
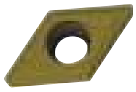
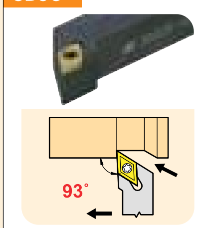
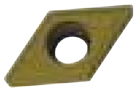
P.074	SDAC 	10×10 12×12 16×16 20×20	DC..0702 DC..11T3	
P.075	SDJC 	10×10 12×12 16×16 20×20	DC..0702 DC..11T3	
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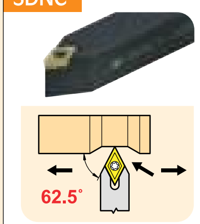
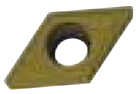
P.076	SDNC 	10×10	DC..0702	
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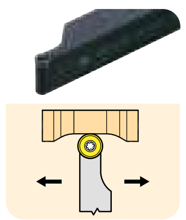
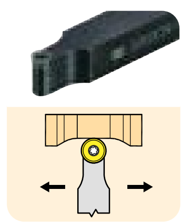
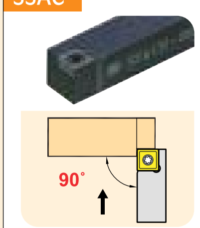
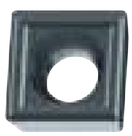
P.077	SRAC 	10×10 12×12 16×16 20×20 25×25	RC..0502 RC..0602	
P.078	SRDC 	10×10	RC..0502 RC..0602	
		10×12	RC..0803	
		12×12 16×16 20×20 25×25	RC..0502 RC..0602 RC..0803 RC..1003	
		32×32	RC..1003	
P.079	SSAC 	9.5×12.7 12.7×12.7 12×12 16×16	SC..09T3	

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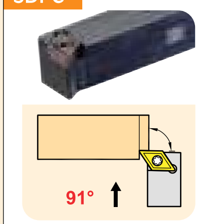
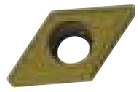
P.074	SDFC 	12×12	DC..0702	
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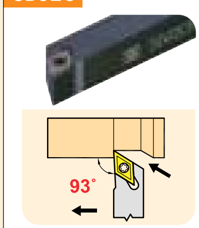
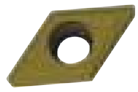
P.075	SDJ2C 	08×08	DC..0702	
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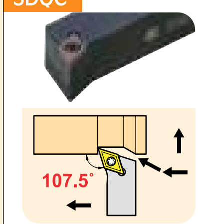
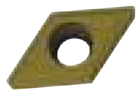
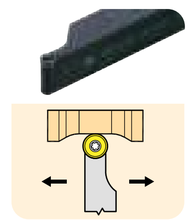
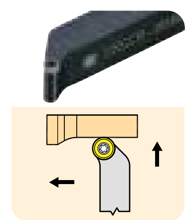
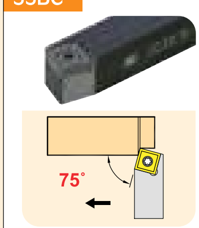
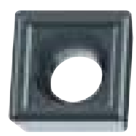
P.076	SDQC 	12×12 16×16 20×20 25×25	DC..11T3	
P.077	SRAC 	12×12 16×16 20×20 25×25	RC..0803 RC..1003	
P.078	SRGC 	12×12 16×16 20×20 25×25	RC..0602	
		16×16 20×20 25×25	RC..0803	
P.079	SSBC 	9.5×12.7 12.7×12.7 12×12	SC..09T3	

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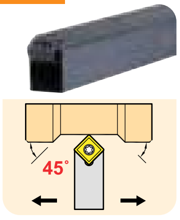
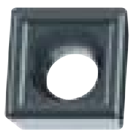
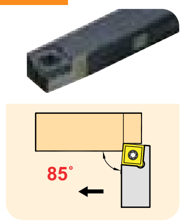
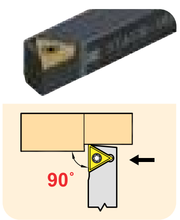
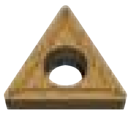
P.080	SSDC 	9.5×12.7 12.7×12.7 12×12 16×16 20×20 25×25	SC..09T3	
P.081	SSXC 	9.5×12.7	SC..09T3	
P.082	STAC 	10×10 12×12 16×16 9.5×12.7 12.7×12.7	TC..1102	
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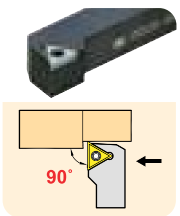
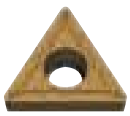
P.083	STGC/P 	12×12 16×16 19×19	TC..16T3	
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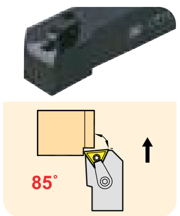
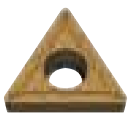
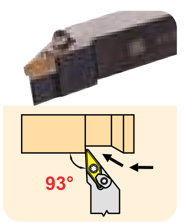
P.084	CTYC 	20×20	TC..16T3	
P.085	SVJB/C..CL 	10×10 12×12 16×16 20×20 25×25	VB..1103 VC..1103	
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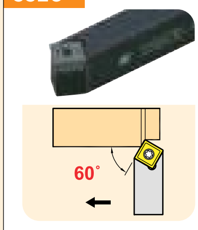
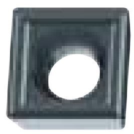
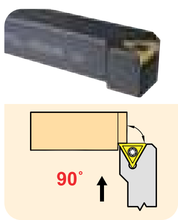
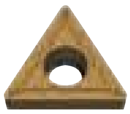
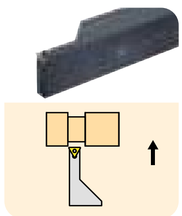
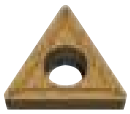
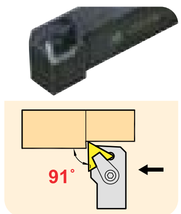
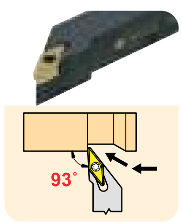
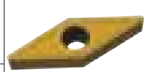
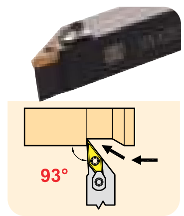
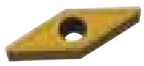
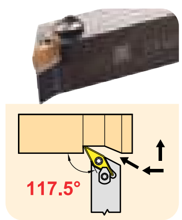
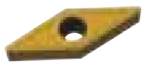
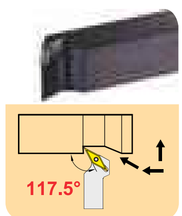
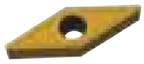
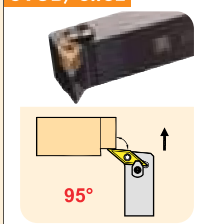
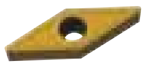
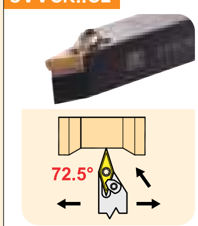
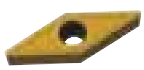
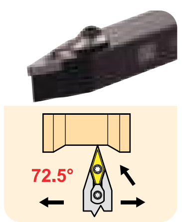
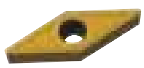
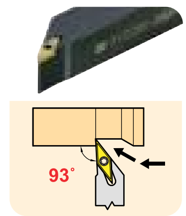
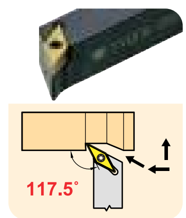
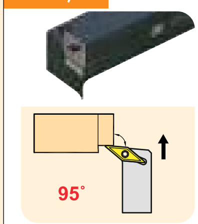
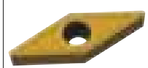
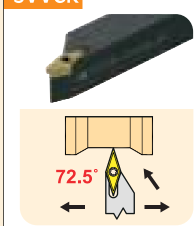
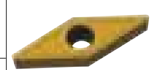
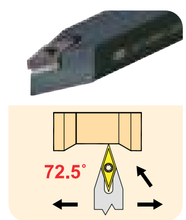
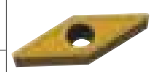
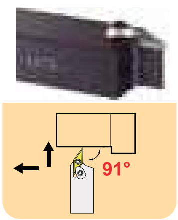
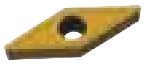
P.080	SSEC 	9.5×12.7 12.7×12.7 12×12	SC..09T3	
P.082	STFC 	20×20 25×25	TC..16T3	
P.083	STCP 	25×25	TP..0902 TP..1103	
P.084	CTGP 	16×16 20×20 25×25	TP.N1603	
P.085	SVJB/C 	10×10 12×12 16×16 20×20 25×25	VB..1103 VC..1103	
		16×16 20×20 25×25 32×32	VB..1604 VC..1604	

外徑車刀 TOOLHOLDERS

Page	Index	Height x Width	Insert Item code	Insert Shape
P.086	SVJ2B/C..CL 	10×10 12×12 16×16 20×20	VC..1103	
P.087	SVQB/C..CL 	12×12 16×16 20×20	VB..1103 VC..1103	
		20×20 25×25 32×32	VB..1604 VC..1604	
P.087	SVQ2C 	12×12 16×16	VC..1103	
P.088	SVUB/C..CL 	20×20 25×25	VC..1604	
P.088	SVVCR..CL 	16×16 20×20 25×25	VC..1604	
P.089	SVVB/CN..CL 	10×10 12×12 16×16 20×20 25×25	VB..1103 VC..1103	
		16×16 20×20 25×25 32×32	VB..1604 VC..1604	

Page	Index	Height x Width	Insert Item code	Insert Shape
P.086	SVJ2B/C 	10×10 12×12 16×16 20×20	VB..1103 VC..1103	
		16×16 20×20 25×25	VC..1604	
P.087	SVQB/C 	12×12 16×16 20×20	VB..1103 VC..1103	
		20×20 25×25	VB..1604 VC..1604	
P.088	SVUB/C 	20×20 25×25	VC..1604	
P.088	SVVCR 	9.5x9.5 12.7x12.7 16x16 20x20	VC..1103	
		16×16 20×20 25×25	VC..1604	
P.089	SVVB/CN 	10×10 12×12 16×16 20×20 25×25	VB..1103 VC..1103	
		16×16 20×20 25×25 32×32	VB..1604 VC..1604	

外徑車刀 TOOLHOLDERS

Page	Index	Height X Width	Insert Item code	Insert Shape
P.090	SVA3CL..CL 	12×12	VC..1103	
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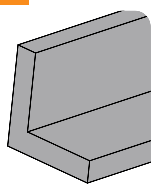
		20×20		
		25×25		
P.090	LMH 外徑墊高輔助刀座 	16×20		
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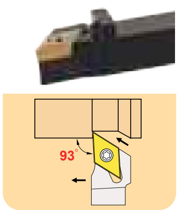
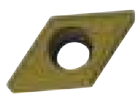
		25×32		
P.091	SDJ2C-A 	12×12	DC..11T3	
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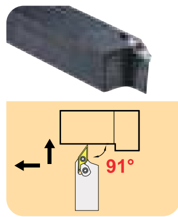
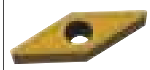
P.090	SVA3CL 	12×12	VC..1103	
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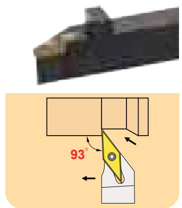
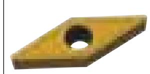
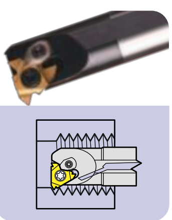
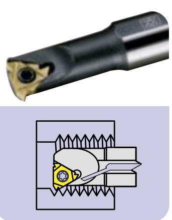
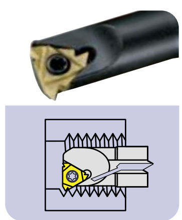
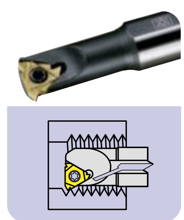
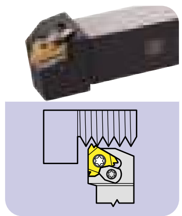
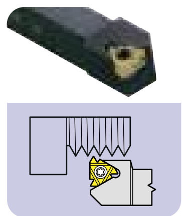
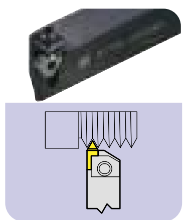
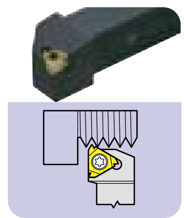
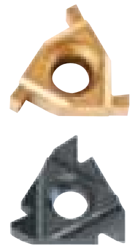
		20×20		
		25×25		
P.091	SVJ2C-A 	12×12	VC..1103	

內徑牙刀 INTERNAL THREADING BORING BARS

Page	Index	ØD	Insert Item code	Insert Shape
P.102	SNR/L..CL 	20	16NR/L	
		25		
		32		
		40		
		50		
		20	22NR/L	
		25		
		32		
		40		
		50		
P.103	SNR/L-1 Carbide shank 	6	06NR/L	
		7	08NR	
		8		
		10	11NR/L	
		12		
		16	16NR	
		20		
		25		
P.103	SNR/L-1 	8	08NR/L	
		10	11NR/L	
		12		
		14	16NR/L	
		16		
		60		
		80		
		20	16NR/L 22NR/L	
		25		
		32		
		40		
		50		
		32	27NR/L	
P.104	SNR/L-2 	12	06NR/L	
		16	08NR/L 11NR/L	
		16	11NR/L 16NR/L	
		20		

外徑牙刀 EXTERNAL THREADING TOOLHOLDERS

Page	Index	Height X Width	Insert Item code	Insert Shape
P.105	SER/L..CL 	10X10	16ER/L	
		12X12	16ER/L	
		12X16	16ER/L	
		16×16	16ER/L	
		20×20	16ER/L	
		25×25	16ER/L	
		32×32	16ER/L	
		25×25	22ER/L	
P.106	SKER/L 	12×12	16ER/L	
		16×16	16ER/L	
		20×20	16ER/L	
		25×25	16ER/L	
P.109	WTH 	20×20	MTTR/L43..	
		25×25	MTTR/L43..	
		32×32	MTTR/L43..	

Page	Index	Height X Width	Insert Item code	Insert Shape
P.105	SER/L 	10×10	16ER/L	
		12×12	16ER/L	
		12×16	16ER/L	
		16×16	16ER/L	
		20×20	16ER/L 22ER/L	
		25×25	16ER/L 22ER/L	
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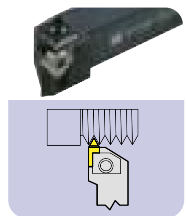
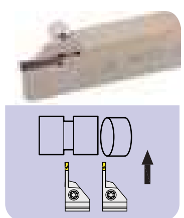
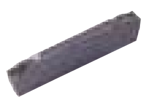
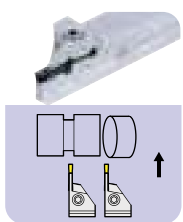
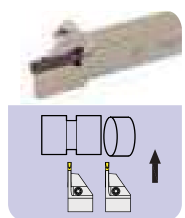
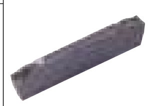
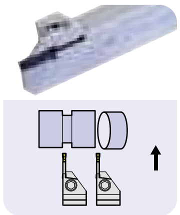
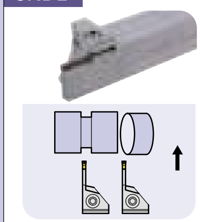
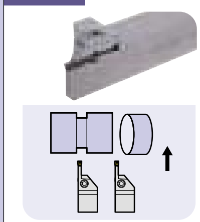
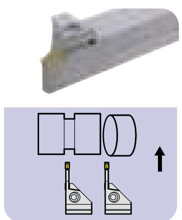
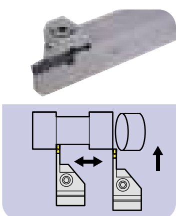
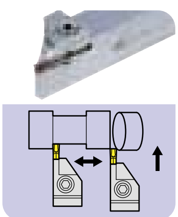
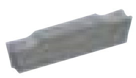
		25×25	27ER/L	
		32×32	27ER/L	
P.109	WT1 	16×16	MTTR/L43..	
		20×20	MTTR/L43..	
		25×25	MTTR/L43..	

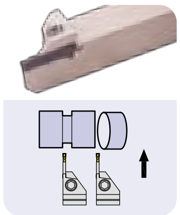
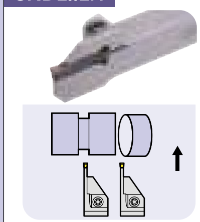
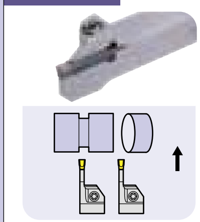
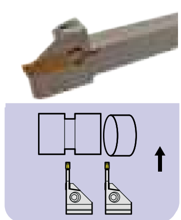
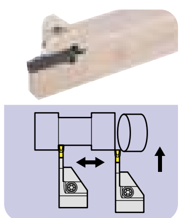
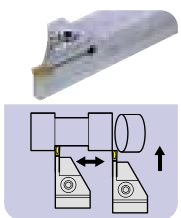
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert Item code	Insert Shape
P.111	WMTC 	16×16	WMTC030..	
		20×20	WMTC020.. WMTC030..	
		25×25	WMTC020.. WMTC030..	
P.112	DGH 	16×16	DGM20CE	
		20×20	DGM20CE	
		16×16	DGM30CT DGJ30CTM DGM30CE DGJ30CEM DGM40CT DGJ40CE DGJ40CTM DGM50CT	
		20×20		
		25×25		
		32×32		

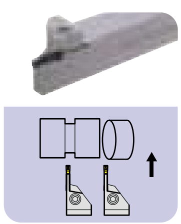
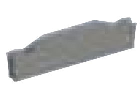
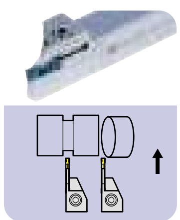
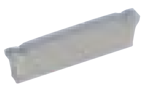
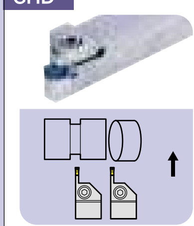
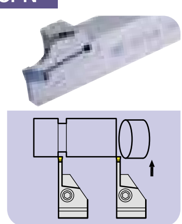
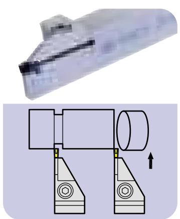
Page	Index	Height X Width	Insert Item code	Insert Shape
P.111	WMTC..LH 	10×10	WMTC015.. WMTC020..	
		12×12	WMTC015.. WMTC020.. WMTC094.. WMTC030..	
		16×16	WMTC015.. WMTC020.. WMTC094.. WMTC030..	

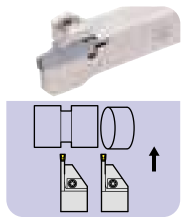
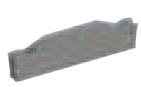
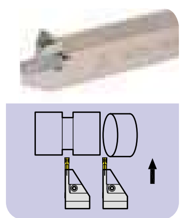
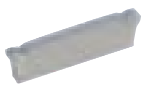
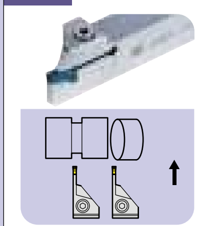
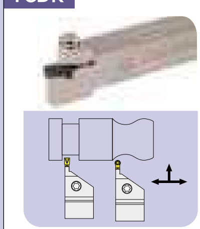
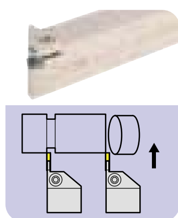
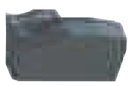
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert Item code	Insert Shape
P.113	GYM 	20×20	GY2M02.. GY2M03.. GY2M04.. GY2M05..	
		25×25		
		32×32		
P.115	GNDL 	16×16	GCMN30..	
		20×20	GCMN20.. GCMN30.. GCMN40..	
		25×25		
P.116	GNDM 	16×16	GCMN30..	
		20×20	GCMN30.. GCMN40..	
		25×25	GCMN30.. GCMN40.. GCMN50.. GCMN60..	
P.118	MGEH 	16×16	M.MN 200 M.MN 300	
		20×20	M.MN 200 M.MN 300 MGMN 400	
		25×25		
P.119	KGD 	16×16	GDM2020 GDM3020	
		20×20		
		25×25		
P.121	KGM 	10×12	GMM1520 GMM2020 GMM2520 GMM3020	
		12×12		
		16×16		
		20×20		
		25×25		
		20×20	GMM4020 GMM5020 GMM6020	
		25×25		
		32×32		

Page	Index	Height X Width	Insert Item code	Insert Shape
P.113	GYM..LH 	10×10	GY2M02..	
		12×12		
		16×16	GY2M02.. GY2M03..	
P.115	GNDL..LH 	12×12	GCMN20.. GCMN30..	
		16×16	GCMN20..	
P.116	GNDM..LH 	12×12	GCMN30..	
P.118	MGEH..TH 	8 × 8	MGMN 150	
		10×10	MGMN 150 M . MN 200	
		12×12		
		16×16	M . MN 200	
		12×12	MGMN 250	
P.119	KGD..LH 	10×10	GDM1516 GDM2020	
		12×12	GDM1316 GDM2020 GDM2420 GDM3020	
		16×16	GDM2020 GDM3020	
P.123	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	

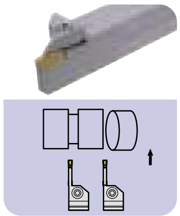
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

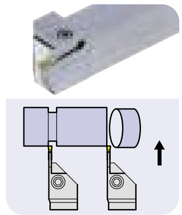
Page	Index	Height x Width	Insert Item code	Insert Shape
P.124	LGDR/L 	20×20	LGMN.. LGMR..	
		25×25		
P.127	DGT 	12×12	DGN20.. DGN22..	
		16×16	DGN20.. DGN22.. DGN30.. DGN31..	
		20×20		
		25×25		
P.129	GHD 	16×16	GIP.. GIF.. GIMF.. GIMY..	
		20×20		
		25×25		
P.131	GFN 	12×12	GF□ 2	
		16×16	GF□ 2 GF□ 3	
		20×20		
		25×25		
P.133	A3SC 	10×10	A2022..	
		12×12		
		16×16	A2022.. A2030..	
		20×20		
		25×25		

Page	Index	Height x Width	Insert Item code	Insert Shape
P.124	LGDR/L..LH 	10×10	LGMN.. LGMR..	
		12×12		
		16×16		
P.128	DGT..SH 	12×12	DGN14..	
		10×10	DGN20.. DGN22..	
		12×12		
		16×16		
P.129	GHG 	16×16	GIP.. GIF.. GIMF.. GIMY..	
		20×20		
		25×25		
P.132	TGDR 	20×20	TGMF3..	
		25×25		
		20×20	TGMF4..	
		25×25		
P.134	A3SM 	16×16	A2022..	
		20×20		
		25×25		

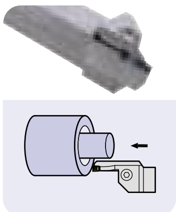
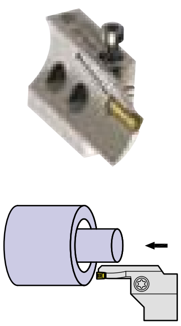
內徑車刀 BORING BARS
外徑車刀 TOOLHOLDERS
牙刀&開槽刀 THREADING & GROOVING
銑刀 MILLING
孔加工 BORING TOOLS COMPONENTS
配件 SPARE PARTS

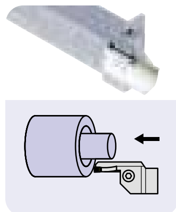
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert: Item code	Insert: Shape
P.135	TNP 	16×16	TN300..	
		20×20		
		25×25		

Page	Index	Height X Width	Insert: Item code	Insert: Shape
P.136	R/LF151.23 	16×16	N151.2-200.. N151.2-250.. N151.2-300..	
		20×20		
		25×25		

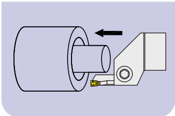
外徑端面開槽刀 EXTERNAL FACE GROOVING TOOLHOLDERS

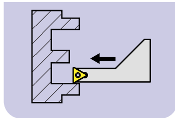
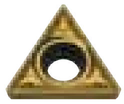
Page	Index	Hole Diameter MIN	Hole Diameter MAX	Insert: Item code	Insert: Shape
P.138	KGDFR 	30	45	GDFM3020..	
		45	65		
		65	85		
		85	110		
		110	145		
		35	50	GDFM4020..	
		50	70		
		70	100		
		100	150		
		150	220		
		220	800		
		50	75	GDFM5020..	
		75	115		
		115	180		
		180	235		
		235	800		
P.141	HFAVR 	29	34	HFPR30..	
		34	40		
		40	48		
		48	60		
		60	75		
		75	100		
		100	140		
		140	200		
		200	800		
		29	34	HFPR40.. GRIP40	
		34	40		
		40	48		
		48	60		
		60	75		
		75	100		
		100	140		
		140	200		
		200	800		

Page	Index	Hole Diameter MIN	Hole Diameter MAX	Insert: Item code	Insert: Shape
P.139	DGF 	28	34	DGM30CTF	
		34	45		
		45	70		
		70	100		
		100	140		
		140	200		
		200	800		
		28	34	DGM40CTF	
		34	45		
		45	70		
		70	100		
		100	140		
		140	200		
		200	800		
P.140		50	70	DGM50CTF	
		70	120		
		120	240		
		240	800		

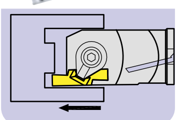
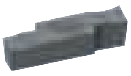
Page	Index	Height X Width	Adapter: Item code	Adapter: Shape
P.142	HFAPR 	20X25	HFAVR	
		25X25		

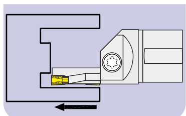
外徑端面開槽刀 EXTERNAL FACE GROOVING TOOLHOLDERS

Page	Index	Hole Diameter		Insert	
		MIN	MAX	Item code	Shape
P.143	HFHGR  	75	100	HFPR40.. GRIP40..	
		98	180		

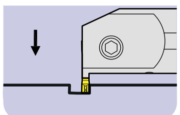
Page	Index	Height X Width	Insert	
			Item code	Shape
P.144	STCP  	25X25	TP..0902..	

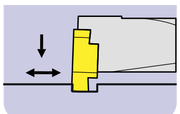
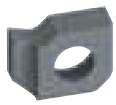
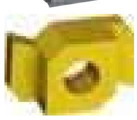
內徑端面開槽刀 INTERNAL FACE GROOVING TOOLHOLDERS

Page	Index	ØD	Insert	
			Item code	Shape
P.145	GIVFR  	16	GVFR..A	
		20	GVFR..B	
		25		
		32		

Page	Index	ØD	Insert	
			Item code	Shape
P.146	KFDIR  	12	GDFM2020..	
		20		
		25	GDFM4020..	
		32		

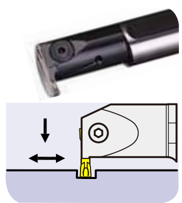
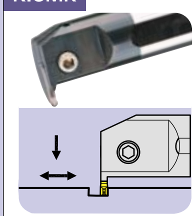
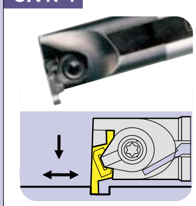
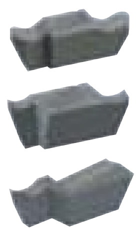
內徑開槽刀 INTERNAL GROOVING TOOLHOLDERS

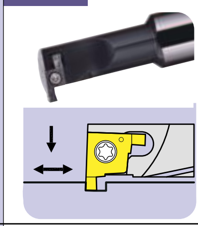
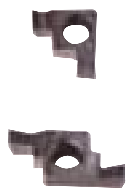
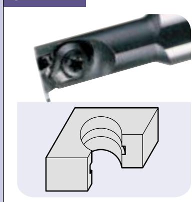
Page	Index	ØD	Insert	
			Item code	Shape
P.147	DGIR  	20	DGM30CT DGJ30CTM DGM40CT DGJ40CTM	
		25		
		32		
		32	DGM50CT	
		40		

Page	Index	ØD	Insert	
			Item code	Shape
P.148	FSL51  	8	MLG10..L MLT1001L	 
		10		
		12	MLG14..L MLT1401L	
		14		
		16		
		16	MLG20..L MLT2001L	
		20		

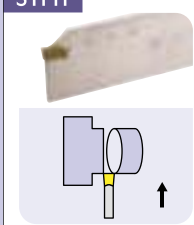
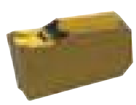
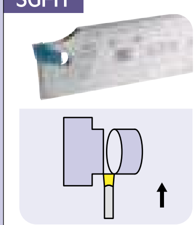
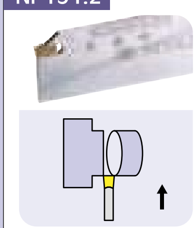
BORING BARS 內徑車刀
TOOLHOLDERS 外徑車刀
THREADING & GROOVING 牙刀&開槽刀
MILLING 銑刀
BORING TOOLS COMPONENTS 孔加工
SPARE PARTS 配件

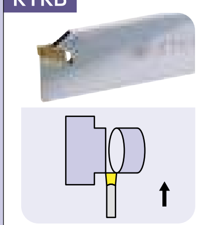
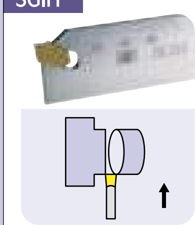
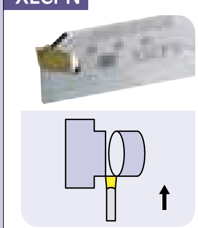
內徑開槽刀 INTERNAL GROOVING TOOLHOLDERS

Page	Index	ØD	Insert Item code	Insert Shape
P.149	GYIR 	20	GY2M03..	
		25		
		32		
		25	GY2M04..	
		32		
P.152	KIGMR 	16	GMM3014.. GMM3015..V	
		20	GDM3020.. GMM3015..V	
		25		
		32	GDM4020.. GMM4020..V	
		40		
P.153	GIVR-1 	8	GVR_.SS	
		10	GVR..S	
		12	GVR..A	
		16		
		20	GVR..B	
		25	GVR..C	
		32		

Page	Index	ØD	Insert Item code	Insert Shape
P.151	KIGER 	08	GER..A	
		10	GER..B	
		12	GER..C	
		16		
		20	GER..D	
P.154	GIVR-2 	16	GVR..SS GVR..S GVR..A	

切斷刀板 PARTING BLADE

Page	Index	Height	Insert Item code	Insert Shape
P.157	STFH 	26	WCF□3	
		32		
P.158	SGFH 	26	GF□ 2/2.4 GF□ 3	
		32		
P.159	NF151.2 	26	N151.2-200..	
		32		

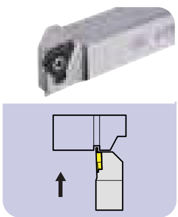
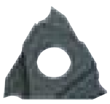
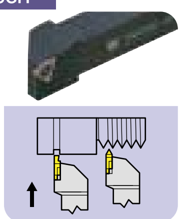
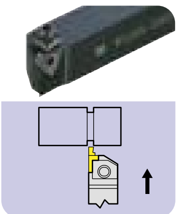
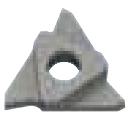
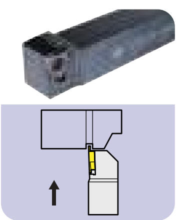
Page	Index	Height	Insert Item code	Insert Shape
P.157	KTKB 	26	TK□ 3 TK□ 4	
		32		
P.158	SGIH 	26	GT□ 2/2.4 GT□ 3 GT□ 4	
		32		
P.159	XLCFN 	26	FX3.1 FX4.1	
		32		

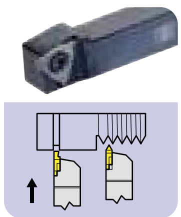
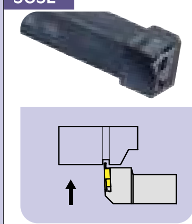
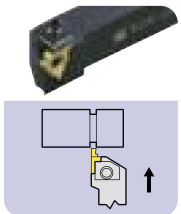
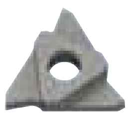
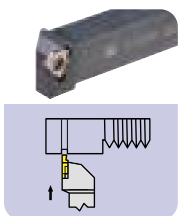
切斷板座 TOOLBLOCK

Page	Index	Height	Blade	
P.160	SGTBU 	16	SGIH26..	SGIH32..
		20	SGFH26..	SGFH32..
		25	KTKB26..	KTKB32..
		19.05	XLCFN26..	XLCFN32..
		25.4	STFH26..	STFH32..
			NF151.2-26..	NF151.2-32..

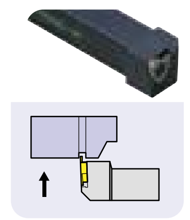
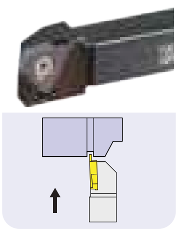
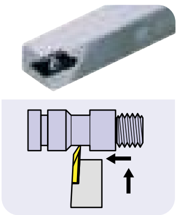
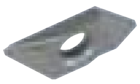
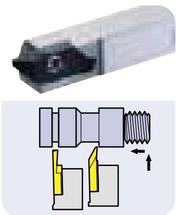
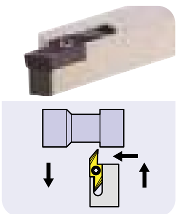
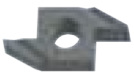
Page	Index	Height	Blade
P.160	SGTBV 	25	SGIH26.. SGFH26.. KTKB26.. XLCFN26.. STFH26.. NF151.2-26..

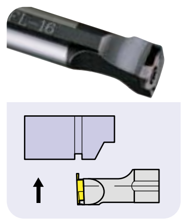
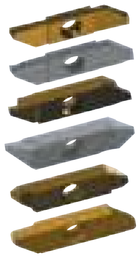
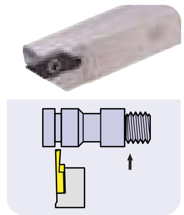
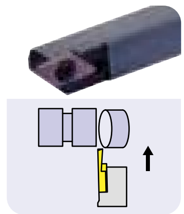
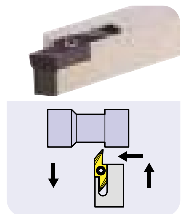
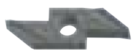
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert Item code	Insert Shape
P.161	GTBH 	10×10 12×12 16×16 20×20	GTBT.. GTCT..	
P.162	SGH 	12×12 16×16 20×20 25×25	SMGTR16X2.. SMGTR16X2..C SMTTR160360..	
P.164	WGH 	20×20 25×25	MGTR/L33..	
		16×16 20×20 25×25	MGTR/L43..	
P.167	KTGF_F 	10×10 10×12 12×12 16×16 20×20	TGF32R/L	

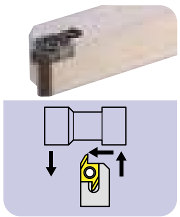
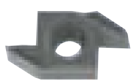
Page	Index	Height X Width	Insert Item code	Insert Shape
P.162	SGH2 	12×12 16×16 20×20	SMGTR16X2.. SMGTR16X2..C SMTTR160360..	
P.163	SGSL 	16×16 20×20	SMGTR16X2.. SMGTR16X2..C SMTTR160360.	
P.165	WG1 	16×16 20×20 25×25	MGTR/L33.. MGTR/L43..	
		32×32	MGTR/L43..	
P.167	KTGF 	16×16 20×20 25×25	TGF32R/L	

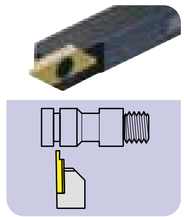
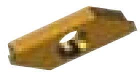
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.168	KTGFS 	16×16 20×20	TGF32R	
P.169	KGBF 	10×10 12×12 16×16	GBF32R	
P.171 P.172 P.173	SAKGR 	10×10 12×12 16×16 20×20 25×25	AKBR 3.. AKCR 3.. AKPR 3.. AKGR 3.. AKTR 3.. AKRR 3..	
P.177	BTAH 	10×10 12×12 16×16	BTAT5528.. BTAT6035..	
P.179	CTBH 	10×10 12×12 16×16 20×20	BTBT60.. CTBT..	
P.181	SABSR 	10×10 12×12 16×16	ABS15R	

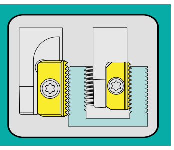
Page	Index	Height X Width	Insert	
			Item code	Shape
P.168	KTGFL 	Ø16	TGF32R	
P.174 P.175 P.176	SDKG 	10×10 12×12 16×16 20×20 25×25	DKCR/L 3.. DKPR/L 3.. DKBR/L 4.. DKGR/L 4.. DKTR/L 4.. DKRR/L 4..	
P.178	CTAHR 	10×10 12×12 16×16 20×20	CTAT	
P.180	KTKF 	10×10 12×12 16×16	TKF12R/L TKF16R/L	
		20×20 25×25	TKF16R/L	
P.181	SABWR 	08×10 10×10 12×12 16×16 20×20 25×25	ABW15R ABW23R	

外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.182	JSEGR 	10×10 12×12	J10ER..B..	

Page	Index	Height X Width	Insert	
			Item code	Shape
P.183	SMALR 	10×10 12×12 16×16 20×20	MAGR3..	

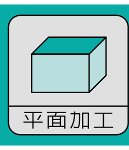
銑牙刀
MILL THREAD TOOLHOLDERS



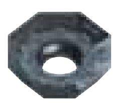
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.189	MTSR 	Ø9.9	12I	
		Ø12 - Ø20	14I/E	
		Ø21 - Ø30	21I/E	
		Ø31 - Ø40	30I/E	
		Ø48 - Ø50	40I/E	

Page	Index	Cutter Dia	Insert	
			Item code	Shape

43° 面銑刀
43° FACE MILLING CUTTERS

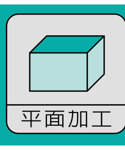


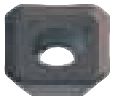
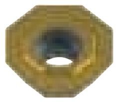
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.191	NFK 	Ø50-Ø160	OD..0605	

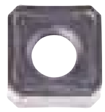
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.192	TFM 	Ø50-Ø160	OFMT05T3..	

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

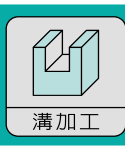
45° 面銑刀
45° FACE MILLING CUTTERS

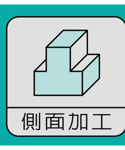


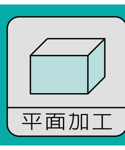
Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.193 P.194	ASX445 	Ø50-Ø260	SE..13T3 R245-12T3 WE..13T3	
P.196	MOF 	Ø50-Ø125 Ø100	OFMT0504.. OFMT0704..	

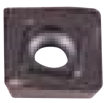
Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.195	SNF 	Ø50-Ø160	SN..1205	

直角端銑刀
SHOULDER/CUTTING END MILLS



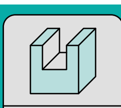
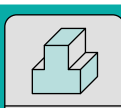
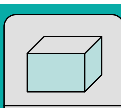




Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.198	ASX400 	Ø50-Ø125	SO..12T3 WO..12T3	 
P.199 P.200	APM shank 	Ø12-Ø35 Ø32-Ø35	AOMT1236.. AOMT1848..	

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.201	APM modular 	Ø16-Ø35	AOMT1236..	
P.202	APM shell 	Ø32-Ø80	AOMT1236.. AOMT1848..	

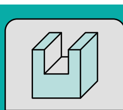
直角端銑刀
SHOULDER/CUTTING END MILLS

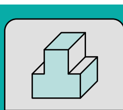

溝加工

側面加工

平面加工

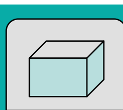
Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.203 P.204	BAP shank 	Ø14.2-Ø33	APMT1135..	
		Ø25-Ø40	APMT1604..	
P.207	BXD shank 	Ø25-Ø40	XDGT1550..	
	BXD modular 	Ø32-Ø40	XDGT1550..	
P.209	ASM shank 	Ø08-Ø25	JDMT0702..	
	ASM modular 	Ø10-Ø25	JDMT0702..	
P.211	AHU shank 	Ø16-Ø35	JDMT1003..R	
		Ø25-Ø35	JDMT1505..R	

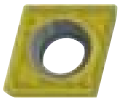
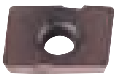
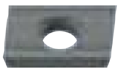
Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.205	BAP modular 	Ø11-Ø36	APMT1135..	
		Ø25-Ø35	APMT1604..	
P.206	BAP shell 	Ø40-Ø80	APMT1135..	
		Ø40-Ø125	APMT1604..	
P.208	BXD shell 	Ø50-Ø125	XDGT1550..	
P.210	ASM_R shank 	Ø10-Ø17	EDMT070220.. JDMT0702..	
	ASM_R modular 	Ø10-Ø25	EDMT070220.. JDMT0702..	
P.212	AHU modular 	Ø16-Ø35	JDMT1003..R	
		Ø25-Ø40	JDMT1505..R	
	AHU shell 	Ø50-Ø80	JDMT1505..R	

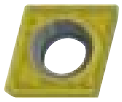
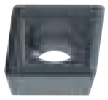
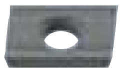
直角端銑刀
SHOULDER/CUTTING END MILLS


溝加工

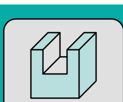
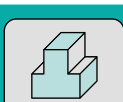
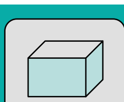

側面加工

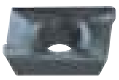

平面加工

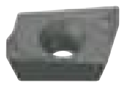
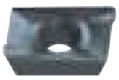
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.213	HCP shank 	Ø16-Ø33	CPMT0903..	
		Ø33	CPMT1204..	
P.215	ASPV modular 	Ø16-Ø42	MPHW0603..	
P.215	ASPV shell 	Ø50-Ø63	MPHW0603..	
P.217	UEX shank 	Ø12-Ø21	APET1202..	
		Ø25-Ø33	ADET1603..	
P.219	WEX shank 	Ø12	AXMT0602..	
		Ø10-Ø33	AXMT1235..	
		Ø25-Ø40	AXMT1705..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.214	HCP shell 	Ø50-Ø63	CPMT0903..	
		Ø50-Ø80	CPMT1204..	
P.216	ASV shell 	Ø50-Ø80	MPHW1205	
P.218	UEX modular 	Ø16-Ø33	APET1202..	
		Ø25-Ø33	ADET1603..	
	UEX shell 	Ø40-Ø100	ADET1603..	
P.220	WEX modular 	Ø10-Ø33	AXMT1235..	
		Ø25-Ø33	AXMT1705..	
P.221	WEX shell 	Ø40-Ø80	AXMT1235..	
		Ø40-Ø125	AXMT1705..	

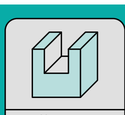
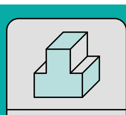
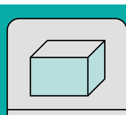
直角端銑刀
SHOULDER/CUTTING END MILLS

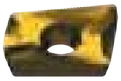
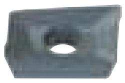
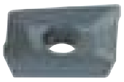

溝加工

側面加工

平面加工

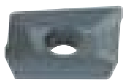
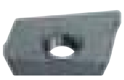
Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.222	WEM shank 	Ø15-Ø25	APMT1035..	
P.223	MEC shank 	Ø10-Ø13	BDMT0703..	
		Ø16-Ø33	BDMT11T3..	
P.225	MEA shank 	Ø12-Ø26	NDK.0903..	
P.227	TE90A shank 	Ø12-Ø35	APKT09T3..	
		Ø25-Ø32	APKT1705..	

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.222	WEM modular 	Ø16-Ø26	APMT1035..	
P.224	MEC modular 	Ø10-Ø13	BDMT0703..	
		Ø16-Ø33	BDMT11T3..	
	MEC shell 	Ø40-Ø63	BDMT11T3..	
P.226	TE90A06 shank 	Ø08-Ø17	AXMT0602..	
	TE90A06 modular 	Ø09-Ø17	AXMT0602..	
P.228	TE90A modular 	Ø16-Ø35	APKT09T3..	
		Ø25-Ø35	APKT1705..	
	TE90A shell 	Ø50-Ø80	APKT09T3..	
		Ø50	APKT1705..	

直角端銑刀
SHOULDER/CUTTING END MILLS

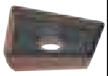
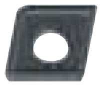

溝加工

側面加工

平面加工

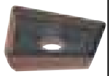
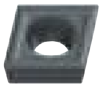
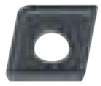
Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.229	AKS shank 	Ø10-Ø17	XOMT0602	
		Ø16-Ø33	XOMT0903..	
		Ø16-Ø35	XOMT10T3..	
		Ø18-Ø28	XOMT1204..	
P.231	CAP shank 	Ø16-Ø32	APKT1003..	
		Ø24-Ø35	APKT1604..	
P.234	CAPW shell 	Ø80-Ø100	APKT1604..	
P.237	VAX modular 	Ø16-Ø35	R390-11T3	
		Ø25-Ø33	R390-1704	
P.239	PTN shank 	Ø18-Ø35	TNGX1004..	
		Ø25-Ø33	TNGX1606..	
P.241	TPS shank 	Ø16-Ø26	ASMT11T3..	
		Ø25-Ø32	ASMT1705..	

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.230	AKS modular 	Ø10-Ø25	XOMT0602	
		Ø16-Ø33	XOMT0903..	
		Ø17	XOMT10T3..	
		Ø26-Ø35	XOMT1204..	
P.232	CAP modular 	Ø16-Ø26	APKT1003..	
		Ø32	APKT1604..	
P.233	CAP shell 	Ø50-Ø63	APKT1003..	
		Ø40-Ø100	APKT1604..	
P.235 P.236	VAX shank 	Ø16-Ø35	R390-11T3	
		Ø25-Ø33	R390-1704	
P.238	VAX shell 	Ø40-Ø100	R390-11T3	
		Ø50-Ø80	R390-1704	
P.240	PTN modular 	Ø20-Ø33	TNGX1004..	
P.240	PTN shell 	Ø40-Ø80	TNGX1004..	
		Ø40-Ø160	TNGX1606..	
P.242	TPS shell 	Ø63-Ø100	ASMT1705	

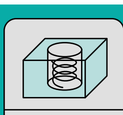
鑽銑刀
BORING & MILLING CUTTERS

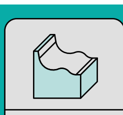
孔加工 斜向加工 溝加工 曲面加工 側面加工

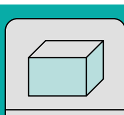
Page	Index	Cutter Dia	Insert Item code	Insert Item code	Insert Shape
P.245	AQX shank 	Ø16-Ø40	QO.T0830R.. QO.T1035R.. QO.T1342R.. QO.T1651R.. QO.T1856R.. QO.T2062R..	--	
P.247	AJU shank 	Ø08-Ø11	CCMT060204..	--	 
		Ø12-Ø13	CPMT080204Z	--	
		Ø16-Ø17	CPMT080204Z	CCMT060204..	
		Ø20-Ø21	CPMT090204Z	CCMT060204..	
		Ø25-Ø26	CPMT120308Z	CPMT090308..	
		Ø32-Ø33	CPMT160408Z	CPMT120408..	
P.249	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.251	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.253 P.254	RT shank 	Ø06-Ø21	RT0702..	--	
		Ø16-Ø35	RT1003..		
P.257	RT13 shank 	Ø20-Ø32	RT1304..	--	

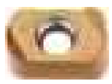
Page	Index	Cutter Dia	Insert Item code	Insert Item code	Insert Shape
P.246	AQX modular 	Ø16-Ø35	QO.T0830R.. QO.T1035R.. QO.T1342R.. QO.T1651R..	--	
P.248	AJU modular 	Ø16-Ø17	CPMT080204Z	CCMT060204..	 
		Ø20-Ø21	CPMT090204Z	CCMT060204..	
		Ø25-Ø26	CPMT120308Z	CPMT090308..	
		Ø32-Ø33	CPMT160408Z	CPMT120408..	
P.250	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.252	PG shank 	Ø20-Ø21	PG100308..	--	
		Ø25-Ø26	PG130408..	--	
		Ø32-Ø33	PG160408..	--	
P.255	RT modular 	Ø09-Ø21	RT0702..	--	
		Ø16-Ø42	RT1003..		
P.256	RT shell 	Ø50-Ø66	RT1003..		
P.257	RT13 shell 	Ø40-Ø63	RT1304..	--	

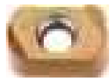
高進給銑刀
HIGH FEED MILLS







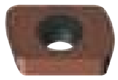
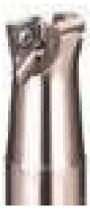
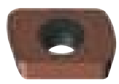
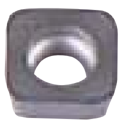
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.259	ATN shank 	Ø16-Ø26	ENMU06..	
P.261	AJX shank 	Ø16-Ø22	JO..06T2	
		Ø20-Ø35	JO..0803	
		Ø32-Ø40	JD..1204 WD..1204	
P.262	AJX modular 	Ø16-Ø20	JO..06T2	
		Ø20-Ø35	JO..0803	
		Ø25	JD..09T3	
		Ø35-Ø40	JD..1204 WD..1204	
P.264	ASRF4 modular 	Ø32-Ø42	SD..1205	
P.265	ASR shank 	Ø20	EPNW0803..	
		Ø25-Ø35	EDNW10T3..	
		Ø32-Ø35	EDNW13T4....	
	ASR modular 	Ø20	EPNW0803..	
		Ø25	EDNW10T3..	
		Ø35	EDNW13T4	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.260	ATN modular 	Ø16-Ø42	ENMU06..	
	ATN shell 	Ø40-Ø50	ENMU06..	
P.263	AJX shell 	Ø52	JD..09T3	
		Ø50-Ø100	JD..1204 WD..1204	
		Ø63-Ø100	JD..1405 WD..1405	
P.264	ASRF4 shell 	Ø42-Ø100	SD..1205	
P.266	ASR shell 	Ø50-Ø80	EDNW13T4..	
		Ø63-Ø100	EDNW15T4..	

BORING BARS 內徑車刀
TOOLHOLDERS 外徑車刀
THREADING & GROOVING 牙刀&開槽刀
MILLING 銑刀
BORING TOOLS COMPONENTS 孔加工
SPARE PARTS 配件

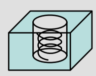
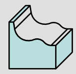
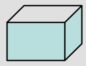
高進給銑刀
HIGH FEED MILLS

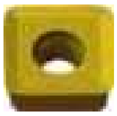
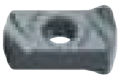
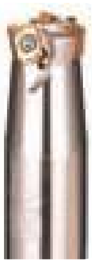
斜向加工 曲面加工 平面加工

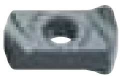
Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.267	ASRS shank 	Ø16-Ø35	EPMT0603..	
P.267	ASRS modular 	Ø16-Ø42	EPMT0603..	
P.269	ASS shank 	Ø20-Ø35	SP..07T2	
P.269	ASS modular 	Ø20-Ø42	SP..07T2	
P.271	MFH shank 	Ø16-Ø33	LOGU03..	
P.268	ASRS..C modular 	Ø25-Ø35	EPMT0603..	
P.268	ASR shell 	Ø52	EPMT0603..	
P.270	ASS shell 	Ø40-Ø63	SP..07T2	
P.272	MFH modular 	Ø16-Ø33	LOGU03..	
P.272	MFH shell 	Ø40-Ø50	LOGU03..	

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

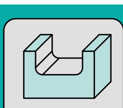
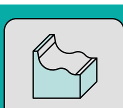
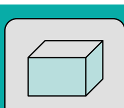
高進給銑刀
HIGH FEED MILLS


斜向加工

曲面加工

平面加工

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.273	FFQ shell 	Ø50-Ø63	SOMT1205..	
P.275	EXN shank 	Ø15-Ø35	LNMU03..	
P.277	TEBL shank 	Ø16-Ø35	BLMP0603..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.274	PBN modular 	Ø16-Ø40	BNGX10T3..	
	PBN shell 	Ø50	BNGX10T3..	
P.276	EXN modular 	Ø16-Ø42	LNMU03..	
	EXN shell 	Ø50-Ø63	LNMU03..	
P.278	TEBL modular 	Ø16-Ø42	BLMP0603..	
		Ø25-Ø42	BLMP0904..	
	TEBL shell 	Ø40-Ø63	BLMP0603..	
		Ø50-Ø66	BLMP0904..	

圓刃銑刀
CORNER ROUNDING END MILLS

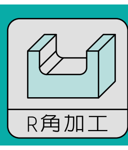

R角加工

曲面加工

平面加工

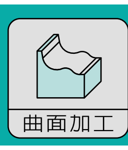
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.279	BRP/RP shank 	Ø20	RP..08T2	
		Ø25-Ø26	RP..10T3	
		Ø25-Ø40	RP..1204	
		Ø20-Ø26	RP..1003	
P.280	RPM shell 	Ø42-Ø100	RP..1204	
P.281 P.282	HAR shank 	Ø10-Ø13	RD..0501	
		Ø12-Ø26	RD..0802	
		Ø20-Ø40	RD..10T3	
		Ø25	RD..1204	
P.285 P.286	HAR shell 	Ø40-Ø86	RD..10T3	
		Ø40-Ø80	RD..1204	
		Ø50-Ø160	RD..1604	
P.289	RD modular 	Ø09-Ø17	RD..0501	
		Ø15-Ø35	RD..0702	
		Ø12	RD..07T1	
		Ø20-Ø42	RD..1003	
P.291	TR shank 	Ø20-Ø35	RD..1003	
	TR modular 	Ø20-Ø35	RD..1003	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.279	BRP/RP modular 	Ø25	RP..10T3	
		Ø25-Ø26	RP..1204	
		Ø20-Ø35	RP..1003	
P.283	HAR modular 	Ø10-Ø17	RD..0501	
		Ø16-Ø25	RD..0802	
		Ø20-Ø42	RD..10T3	
		Ø25-Ø42	RD..1204	
P.287 P.288	RD shank 	Ø09-Ø17	RD..0501	
		Ø15-Ø35	RD..0702	
		Ø20-Ø35	RD..1003	
P.290	RD shell 	Ø42-Ø80	RD..1003	
P.292	TR shell 	Ø50-Ø66	RD..1003	
		Ø40-Ø63	RD..12T3	

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

球型精銑刀
BALL PRECISION CUTTERS





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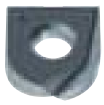
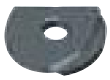
<tr><th>Item code</th><th>Shape</th></tr>
<tr><td>P.293</td><td>SE shank
</td><td>Ø12-Ø20</td><td>QP..120903
QP..1612T3
QP..201504</td><td></td></tr>
<tr><td>P.295</td><td>WGR shank

WGR modular
</td><td>Ø8-Ø30</td><td>WGRMT-D08
|
WGRMT-D32</td><td>
</td></tr>
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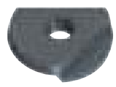
<tr><th>Item code</th><th>Shape</th></tr>
<tr><td>P.294</td><td>SR shank

SR modular
</td><td>Ø12-Ø25</td><td>ZP 1200..
ZP 1600..
ZP 2000..
ZP 2500..</td><td></td></tr>
<tr><td rowspan="3">P.297</td><td rowspan="3">PPH shank

PPH modular
</td><td rowspan="3">Ø8-Ø25</td><td>PHB08..
|
PHB20..</td><td rowspan="3"></td></tr>
<tr><td>BNM-080..
|
BNM-250..</td></tr>
<tr><td>SRFT10..
|
SRFT25..</td></tr>
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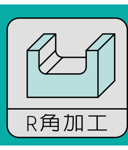
R角精銑刀
RADIUS PRECISION CUTTERS



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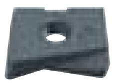
<tr><th>Item code</th><th>Shape</th></tr>
<tr><td rowspan="2">P.296</td><td>GWV shank
</td><td>Ø12-Ø20</td><td>WPV 12..
|
WPV 20..</td><td rowspan="2"></td></tr>
<tr><td>GWV modular
</td><td>Ø20-Ø25</td><td>WPV 20..
|
WPV 25..</td></tr>
</table>

<table>
<tr><th rowspan="2">Page</th><th rowspan="2">Index</th><th rowspan="2">Cutter Dia</th><th colspan="2">Insert</th></tr>
<tr><th>Item code</th><th>Shape</th></tr>
<tr><td rowspan="2">P.298</td><td rowspan="2">PPHT shank

PPHT modular
</td><td rowspan="2">Ø12-Ø20</td><td>SUFT12R..
SUFT16R..
SUFT20R..</td><td rowspan="2"></td></tr>
<tr><td>RNM-120..
RNM-160..
RNM-200..</td></tr>
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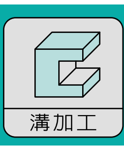
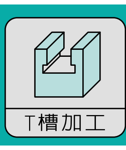
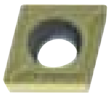
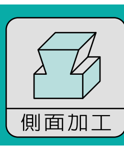
T型銑刀 T-GROOVE MILLING CUTTERS

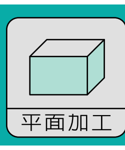


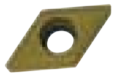


Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.299	CCT shank 	Ø21-Ø40	CCMT0602..	
		Ø32-Ø45	CCMT0803..	
		Ø40-Ø60	CCMT09T3..	
		Ø50	CCMT1204..	
	CCT shell 	Ø100-Ø125	CCMT0602..	
		Ø80	CCMT0803..	

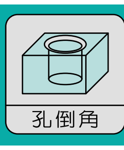
DCWR銑刀 DCWR DOVETAIL CUTTERS

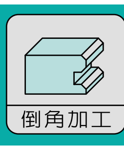


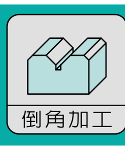


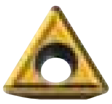
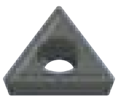
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.300	DCWR60° shank 	Ø16-Ø30	DCMT0702..	
		Ø40-Ø60	DCMT11T3..	
	DCWR75° shank 	Ø50	DCMT11T3..	
	DCWR modular 	Ø35	DCMT0702..	
		Ø40	DCMT11T3..	

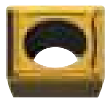
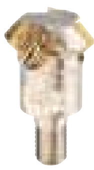
倒角刀 CHAMFER MILLS







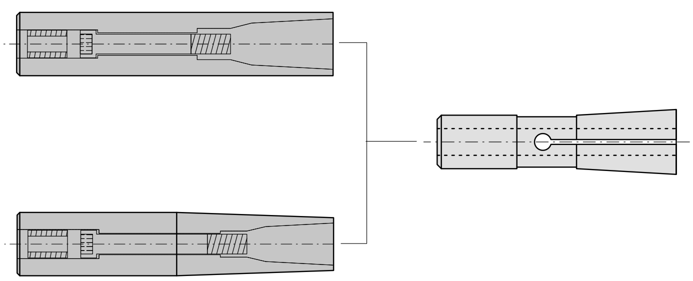
Page	Index	ØD	Insert	
			Item code	Shape
P.301	TCRM shank 	Ø21.5	TCMX16T308	
	TCR shank 	Ø25	TC..16T3	

Page	Index	ØD	Insert	
			Item code	Shape
P.302	VMSP shank 	Ø22-Ø35	SP..0903	
	VMSP modular 	Ø35	SP..0903	
	TPR shank 	Ø4	TP..1603	

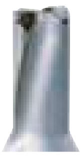
連接式刀桿
EXTENSION ADAPTER

Page	Index	ØD	M	
P.313 P.314	MD 	Ø12-Ø32	M5-M16	
	MD 	Ø16-Ø42	M6-M16	
	HD Carbide 	Ø8-Ø32	M4-M16	
	Arbor 	BT40		

鎢鋼後拉式刀桿
CARBIDE HDC CHUCK & COLLET

Page	Index	ØD	Collet	
P.315	HDC/HUC chuck 	Ø8-Ø20	HDC 4 HDC 6 HUC 10	
	HDC/HUC chuck 	Ø12-Ø25	HDC 4 HDC 6 HUC 10	
	HDC/HUC collet 	Ø3-Ø10		

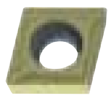
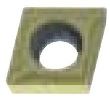
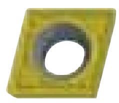
替換式快速鑽頭
INDEXABLE INSERTS HIGH SPEED DRILLS

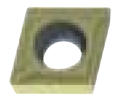
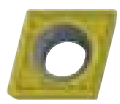
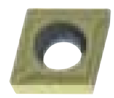
Page	Index	ØD	Insert: Item code	Insert: Shape
P.317	DW shank 	18-40	WC..030208 WC..040208 WC..050308 WC..06T308	

Page	Index	ØD	Insert: Item code	Insert: Shape
P.318	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

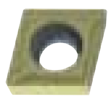
孔加工

Page	Index	ØD	Insert: Item code	Insert: Shape
P.319 P.320	TB shank 	8-57	CC..060204 CC..09T304	
P.323 P.324 P.325	TB shell 	45-201	CC..09T304 CC..120404	
P.326	TBP shell 	70-100	CP..090308	

Page	Index	ØD	Insert: Item code	Insert: Shape
P.321 P.322	TB..E shank 	8-57	CC..060204 CC..09T304	
P.326	TBP shank 	26-40	CP..090308	
P.326	TB modular 	13-25	CC..060204	

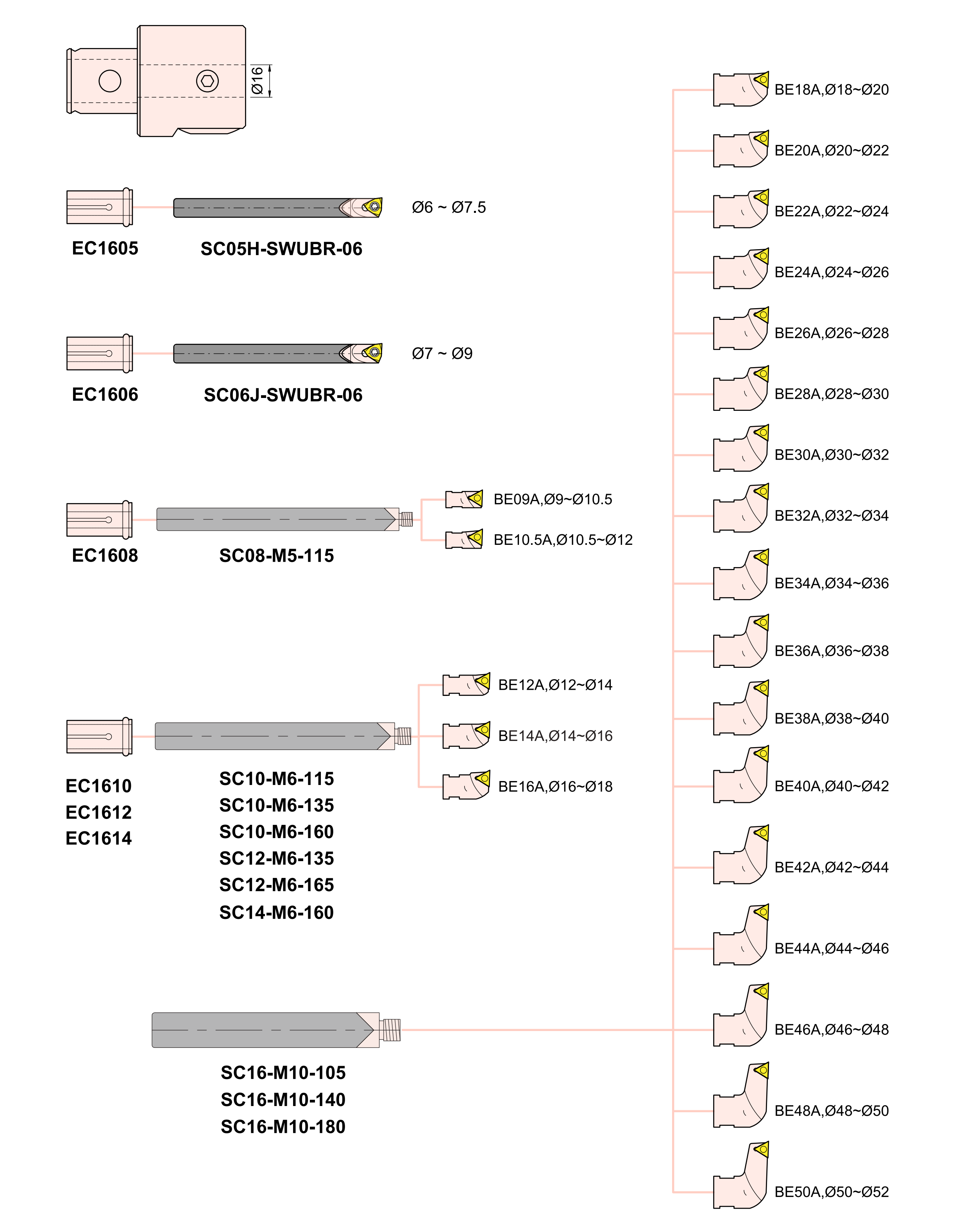
可調式粗搪刀
ADJUSTABLE ROUGH BORING BARS

孔加工

Page	Index	Cutter Dia	Insert: Item code	Insert: Shape
P.327	TBJ 	175-425	CC..120404	

Page	Index	Cutter Dia	Insert: Item code	Insert: Shape

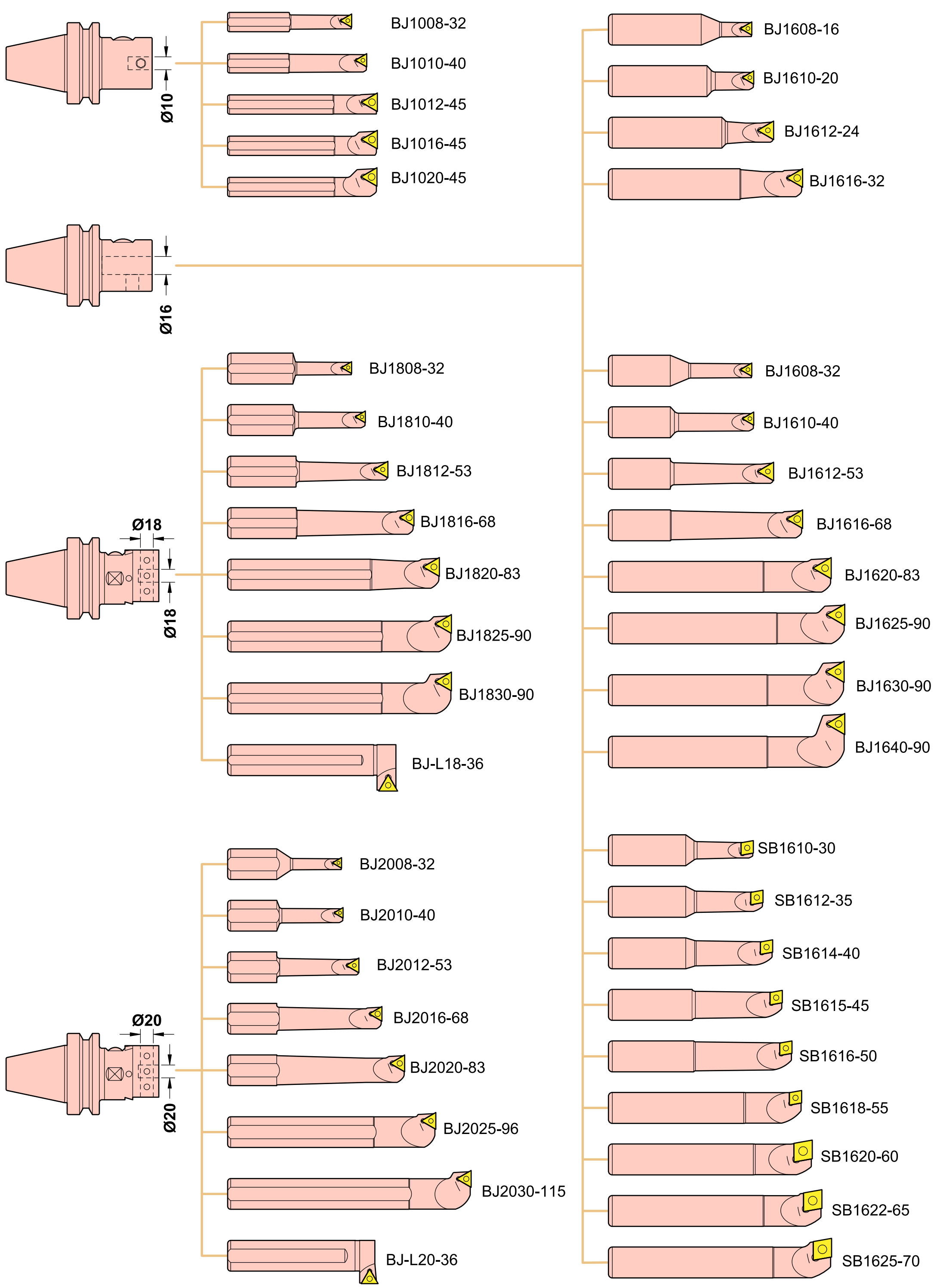
搪孔刀頭 & 配件
BORING HEAD & PART

Page	
P.329 P.330	

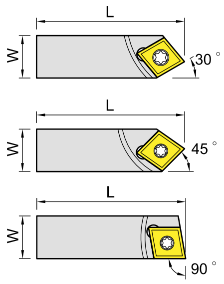
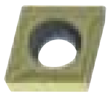
小徑搪刀
BORING SHANK

Page

P.331
P.332
P.333
P.334



小徑搪刀
BORING SHANK

Page	Index	Height × Width	Insert Item code	Insert Shape
P.335	TBS 	6×6	CC..0602	
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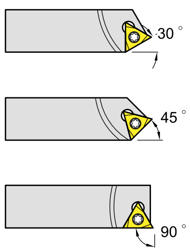
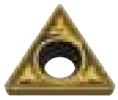
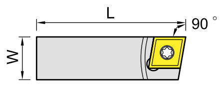
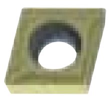
		10×10		
		13×13	CC..09T3	
		16×16		
		19×19	CC..1204	
		25×25		
	SBS 	6×6	TP..0902	
		8×8		
		10×10		
		13×13	TP..1103	
		16×16		
		16×16	TP..1603	
		19×19		
		25×25		
	TBSL 	6×6	CC..0602	
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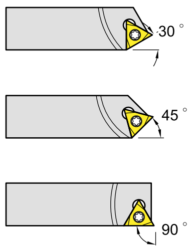
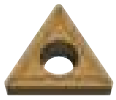
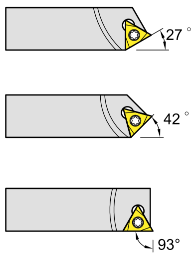
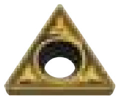
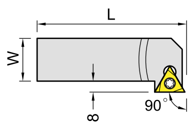
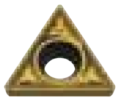
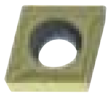
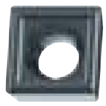
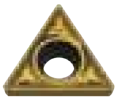
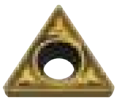
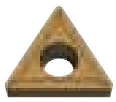
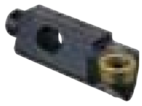
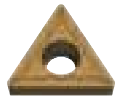
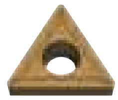
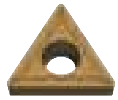
		10×10		
		13×13	CC..09T3	
		16×16		
		19×19	CC..1204	
		25×25		

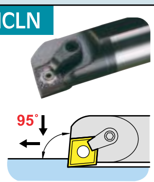
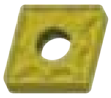
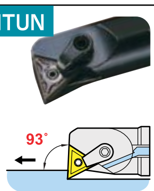
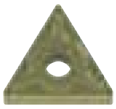
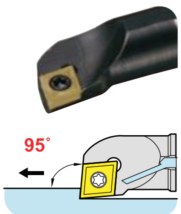
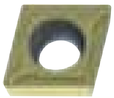
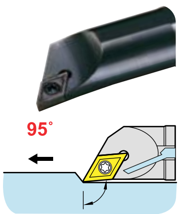
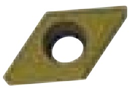
Page	Index	Height × Width	Insert Item code	Insert Shape
P.335	TSBS 	6×6	TC..0902	
		8×8		
		10×10		
		13×13	TC..1102	
		16×16	TC..16T3	
		19×19		
		25×25		
	SBS..A 	8×8	TP..0902	
		10×10		
		13×13	TP..1103	
		16×16		
		19×19	TP..1603	
	BSB 	16×16	TP..1103	
		20×20		
		25×25		

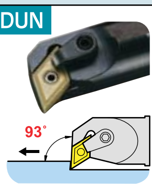
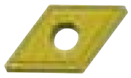
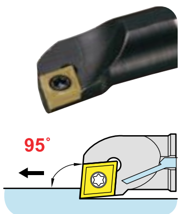
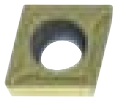
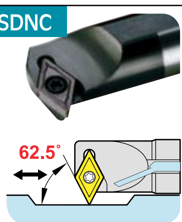
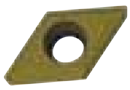
卡式刀座
CARTRIDGES

Page	Index	Height	Insert	
			Item code	Shape
P.336	SCFCR 	08CA	CC..0602..	
		10CA	CC..09T3..	
		12CA	CC..1204..	
P.336	SSSPR 	10CA	SP..0903..	
P.336	STFPR 	08CA	TP..0902..	
		10CA	TP..1103..	
		12CA	TP..1603..	
P.337	STSPR 	08CA	TP..0902..	
		10CA	TP..1103..	
		12CA	TP..1603..	
P.337	STTCR 	08CA	TC..0902..	

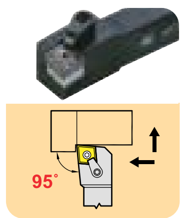
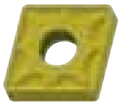
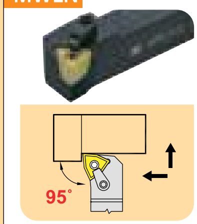
Page	Index	Height	Insert	
			Item code	Shape
P.336	SRSCR 	10CA	RC..10T3..	
P.336	STFCR 	08CA	TC..0902..	
		10CA	TC..1102..	
		12CA	TC..16T3..	
P.337	STGCL 	12CA	TC..16T3..	
P.337	STSCR 	08CA	TC..0902..	
		10CA	TC..1102..	
		12CA	TC..16T3..	

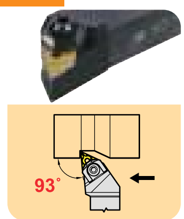
內徑車刀 BORING BARS

Page	Index	ØD	Insert Item code	Insert Shape
P.041	MCLN 	0.75 1	CN..43.. (CN..1204..)	
P.042	MTUN 	0.75 1	TN..33.. (TN..1604..)	
P.043	SCLC 	0.3125 0.375 0.5	CC..215.. (CC..0602..)	
		0.5 0.625 0.75 1	CC..325.. (CC..09T3..)	
P.044	SDJC 	0.375 0.625	DC..215.. (DC..0702..)	
		0.625 0.75	DC..325.. (DC..11T3..)	

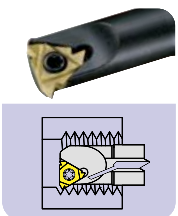
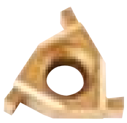
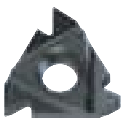
Page	Index	ØD	Insert Item code	Insert Shape
P.041	MDUN 	1	DN..43.. (DN..1204..)	
P.043	SCLC.. Carbide shank 	0.375	CC..215.. (CC..0602..)	
P.044	SDNC 	0.625	DC..215.. (DC..0702..)	
		0.75	DC..325.. (DC..11T3..)	

外徑車刀 TOOLHOLDERS

Page	Index	Height X Width	Insert Item code	Insert Shape
P.095	MCLN 	0.75X0.75 1X1	CN..43.. (CN..1204..)	
P.096	MWLN 	0.75X0.75 1X1	WN..43.. (WN..1204..)	

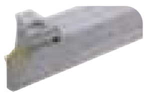
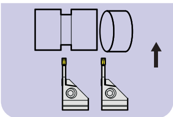
Page	Index	Height X Width	Insert Item code	Insert Shape
P.095	MTJN 	0.75X0.75 1X1	TN..33.. (TN..1604..)	

內徑牙刀 INTERNAL THREADING BORING BARS

Page	Index	ØD	Insert Item code	Insert Shape
P.185	SNR/L 	0.31	08NR/L	
		0.38	11NR/L	
		0.5		
		0.62	16NR/L	
		0.75		
		1		

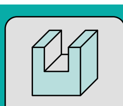
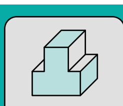
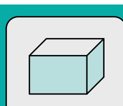
Page	Index	ØD	Insert Item code	Insert Shape

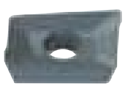
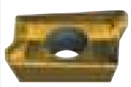
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

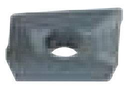
Page	Index	Height X Width	Insert Item code	Insert Shape
P.186	MGEH  	1 × 1	MGMN 500	

Page	Index	Height X Width	Insert Item code	Insert Shape

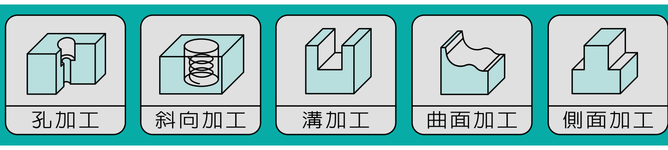
直角端銑刀 SHOULDER/CUTTING END MILLS


溝加工

側面加工

平面加工

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.210	ASM_R shank 	Ø0.375 Ø0.5	EDMT070220..	
P.306	CAP shank 	Ø1	APKT1604..	
P.307	VAX shank 	Ø0.625 Ø0.75	R390-11T3	
		Ø1	R390-1704	

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.306	CAP modular 	Ø1	APKT1003..	

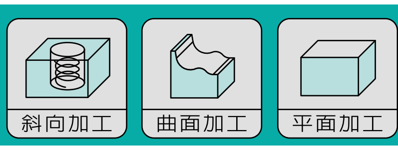
鑽銑刀
BORING & MILLING CUTTERS

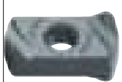


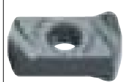
Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.308	RT shank 	Ø0.39 Ø0.5 Ø0.625	RT0702..	

Page	Index	Cutter Dia	Insert Item code	Insert Shape

高進給銑刀
HIGH FEED MILLS



Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.309	ASRS shank 	Ø0.625 Ø0.75 Ø1	EPMT0603..	
P.311	EXN shank 	Ø0.625 Ø0.75 Ø1 Ø1.25	LNMU03..	

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.310	ASRS modular 	Ø1	EPMT0603..	
P.312	EXN modular 	Ø1	LNMU03..	

外徑車刀指示系統
Tool Holder Identification System

刀片挾持方式 Type of Locking

M, D, S, P, W, C

刀片形狀 Insert Shape

A 85°	B 82°	C 80°
D 55°	E 75°	F
K 55°	L	M 86°
O	R	S
T	V 35°	W

刀柄尺寸 Toolholder Shank Size

此欄為標示刀桿橫切面尺寸的重要數值。
正方柄：此數值以十六分之幾標示柄徑的高度和寬度。
長方柄：此數值的第一位以八分之幾標示柄徑寬度，第二位以四分之幾標示柄徑高度。
除了以下特殊尺寸刀桿：1-1/4x1-1/2，以數值91標示。

This position shall be a significant number which indicates the holder cross section.
For square shanks this number will represent the number of sixteenths of width and height.
For rectangular holders the first digit represents the number of eights of width and the second digit the number of quarters of height,except the following toolholder: 1-1/4 x 1-1/2 which is given the number 91.

No.	Width	Height	No.	Width	Height
10	0.625	0.625	06	0.375	0.375
12	0.75	0.75	05	0.3125	0.3125
16	1.00	1.00	64	0.75	1.00
20	1.25	1.25	66	0.75	1.50
24	1.50	1.50	85	1.00	1.25
32	2.00	2.00	86	1.00	1.50
08	0.50	0.50	91	1.25	1.50

刀片I.C.尺寸 Insert Size I.C.

刀片內切圓為 1/4"
及以上時，以8分之幾表示
Number of 1/8ths
on 1/4" I.C. and over.

刀柄長度 Toolholder Length

A - 4.000
B - 4.500
C - 5.000
D - 6.000
E - 7.000
F - 8.000
G - 5.500
(inch)

ANSI	M	T	J	N	R	12	3	B		
ISO	M	T	J	N	R	25	25	M	12	*

切入角 Cutting Edge Angle

A 90°	B 75°	C 90°
D 45°	E 60°	F 90°
G 90°	H 107.5°	J 93°
K 75°	L 95°	M 50°
N 63°	P 117.5°	Q 135°
R 75°	S 45°	T 60°
U 93°	V 72.5°	W 60°
Y 85°	X NO ISO	

刀片逃隙角 Insert Clearance Angle

A 3°	B 5°
C 7°	D 15°
E 20°	F 25°
G 30°	N 0°
P 11°	

方向 Hand of Tool

R
N
L

刀柄高度 Shank Height

H

刀柄寬度 Shank Width

B

刀柄長度 Toolholder Length

L

	ISO (mm)
F	80
G	90
H	100
J	110
K	125
L	140
M	150
N	160
P	170
Q	180
R	200
S	250
T	300
U	350
V	400
W	450
Y	500
X	SPECIAL

特殊註記 Optional Code

INSERTS R-L

切削刃長 Cutting Edge Length

A	B	C
D	E	H
K	L	M
O	R	S
T	V	W

內徑車刀指示系統
Boring Bar Identification System

刀柄種類 Shank Type

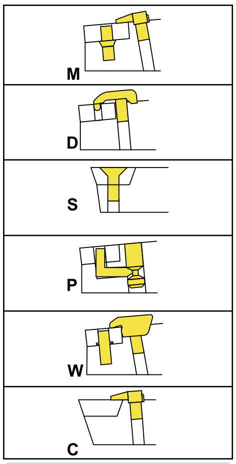
S = 鋼柄Steel shank
A = 鋼柄+中心水孔Steel shank + coolant hole
C = 鎢鋼柄Cemented carbide shank with steel head
E = 鎢鋼柄+中心水孔Cemented carbide shank with steel head + coolant hole

刀柄直徑 Shank Diameter

ANSI
一個二位數，以16分之幾標示圓柄的直徑
A two-digit number which indicates the bar diameter in 1/16-inch increments.

ISO
圓柄的直徑以mm標示
Bar diameter in mm

刀片挾持方式 Type of Locking



特殊註記 Optional Code

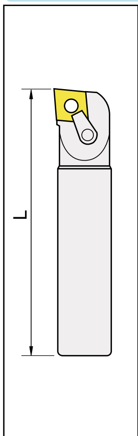
INSERTS R-L

刀片形狀 Insert Shape

A 85°	B 82°	C 80°
D 55°	E 75°	F
K 55°	L	M 86°
O	R	S
T	V 35°	W

ANSI	S	12	R	S	C	L	C	R	4	*
ISO	S	12	R	S	C	L	C	R	09	*

刀柄長度 Toolholder Length



	ISO (mm)	ANSI (inch)
F	80	3
G	90	3.5
H	100	4
J	110	4.5
K	125	5
L	140	5.5
M	150	6
N	160	6.5
P	170	6.75
Q	180	7
R	200	8
S	250	10
T	300	12
U	350	14
V	400	16
W	450	18
Y	500	20
X	SPECIAL	

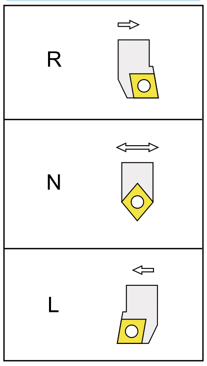
切入角Cutting Edge Angle

A 90°	B 75°	C 90°
D 45°	E 60°	F 90°
G 90°	H 107.5°	J 93°
K 75°	L 95°	M 50°
N 63°	P 117.5°	Q 135°
R 75°	S 45°	T 60°
U 93°	V 72.5°	W 60°
Y 85°	X NO ISO	

刀片逃隙角 Insert Clearance Angle

A 3°	B 5°
C 7°	D 15°
E 20°	F 25°
G 30°	N 0°
P 11°	

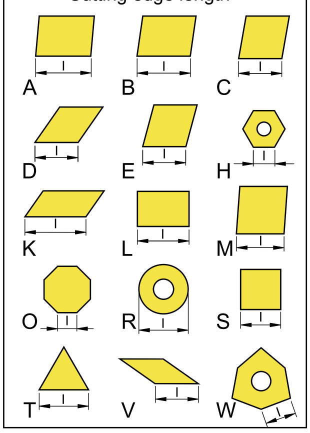
方向 Hand of Tool



刀片尺寸 Insert Size

ANSI 刀片內切圓為8分之幾表示
Number of 1/8th of IC.

ISO 切削刃長
Cutting edge length



車刀刃指示系統
Turning Insert Identification System

刀片形狀 Insert Shape

A 85°	B 82°	C 80°
D 55°	E 75°	F
K 55°	L	M 86°
O	R	S
T	V 35°	W

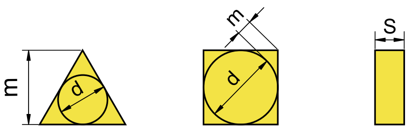
刀片逃隙角 Insert Clearance Angle

A 3°	B 5°	C 7°
D 15°	E 20°	F 25°
G 30°	N 0°	P 11°

ISO	C	N	M	G
ANSI	C	N	M	G

刀片公差 Insert Tolerances Class

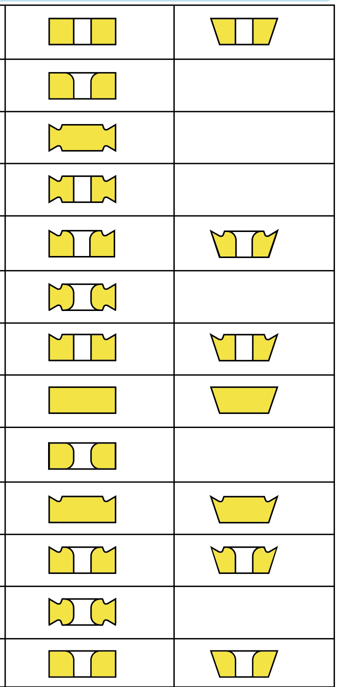
Range of tolerance



Tolerance	m ± ISO (±mm)	m ± ANSI (±inch)	s ± ISO (±mm)	s ± ANSI (±inch)	d ± ISO (±mm)	d ± ANSI (±inch)
A	0.005	0.0002	0.025	0.0010	0.025	0.0010
F	0.005	0.0002	0.025	0.0010	0.013	0.0005
C	0.013	0.0005	0.025	0.0010	0.025	0.0010
H	0.013	0.0005	0.025	0.0010	0.013	0.0005
E	0.025	0.0010	0.025	0.0010	0.025	0.0010
G	0.025	0.0010	0.130	0.0050	0.025	0.0010
J	0.005	0.0002	0.025	0.0010	0.05~0.15	0.002~0.006
K ※	0.013	0.0005	0.025	0.0010	0.05~0.15	0.002~0.006
M ※	0.025	0.0010	0.025	0.0010	0.05~0.15	0.002~0.006
L ※	0.080~0.180	0.003~0.007	0.130	0.0050	0.05~0.15	0.002~0.006
N ※	0.080~0.180	0.003~0.007	0.025	0.0010	0.05~0.15	0.002~0.006
U ※	0.130~0.380	0.005~0.015	0.130	0.0050	0.08~0.25	0.003~0.009

※ 公差會依據刀片燒結的收縮比、形狀和尺寸而異。
※ Insert's periphery is as fired.
Tolerance difference depends on size and shape of insert

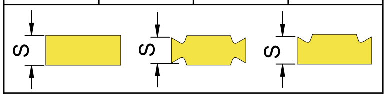
刀片溝孔 Insert Features



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

刀片厚度 Insert Tip Thickness

ISO		ANSI	
厚度 Thickness (mm)	符號 Symbol	厚度 Thickness (inch)	符號 Symbol
1.59	01	1/16	1
1.98	T1	5/64	1.2
2.38	02	3/32	1.5
2.78	T2	-	-
3.18	03	1/8	2
3.97	T3	5/32	2.5
4.76	04	3/16	3
5.56	05	7/32	3.5
6.35	06	1/4	4
7.94	07	5/16	5
9.525	09	3/8	6



厚度表示底面與切刃最高點距離。
Thickness displayed as the distance between bottom surface and highest point on cutting edge.

刀尖R角 Corner Radius

ISO		ANSI	
R角 Corner-RE (mm)	符號 Symbol	R角 Corner-RE (inch)	符號 Symbol
Sharp Corner	00	0.000	00
0.03	003	0.001	0.1
0.05	005	0.002	0.13
0.10	01	0.004	0.2
0.20	02	0.008	0.5
0.40	04	1/64	1
0.80	08	1/32	2
1.20	12	3/64	3
1.60	16	1/16	4
2.00	20	5/64	5
2.40	24	3/32	6
2.80	28	7/64	7
3.20	32	1/8	8
圓形 Round insert	00 (inch) or MO (metric)	圓形 Round insert	

刃口形狀 Edge Shape

E	圓角 Rounded
F	尖角 Sharp
T	倒角 Chamfered
S	倒角+圓角 Chamfered and rounded

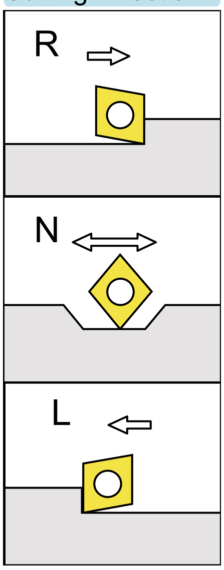
12 04 08 (E) (N) (MR)

4 3 2 (E) (N) (MR)

切削刃長 Cutting Edge Length (ISO)

C	D	S	R	T	V	W	內切圓直徑 I.C. Size (mm)	內切圓直徑 I.C. Size (ANSI) (inch)	Symbol
03	04		03	06			3.97	5/32	1.2
04	05		04	08	08		4.76	3/16	1.5
		05					5		
05	06		05	09		03	5.56	7/32	1.8
		06					6		
06	07		06	11	11	04	6.35	1/4	2
08	09		07	13		05	7.94	5/16	2.5
		08					8		
09	11	09	09	16	16	06	9.525	3/8	3
	12	10					10		
		12					12		
12	15	12	12	22	22	08	12.7	1/2	4
16	19	15	15	27	27	10	15.875	5/8	5
		16					16		
19	23	19	19	33	33	13	19.05	3/4	6
		20					20		
22	27		22	38			22.225	7/8	7
		25					25		
25	31	25	25	44	44	17	25.4	1	8
32	38	31	31	54	54	21	31.75	1-1/4	10
		32					32		

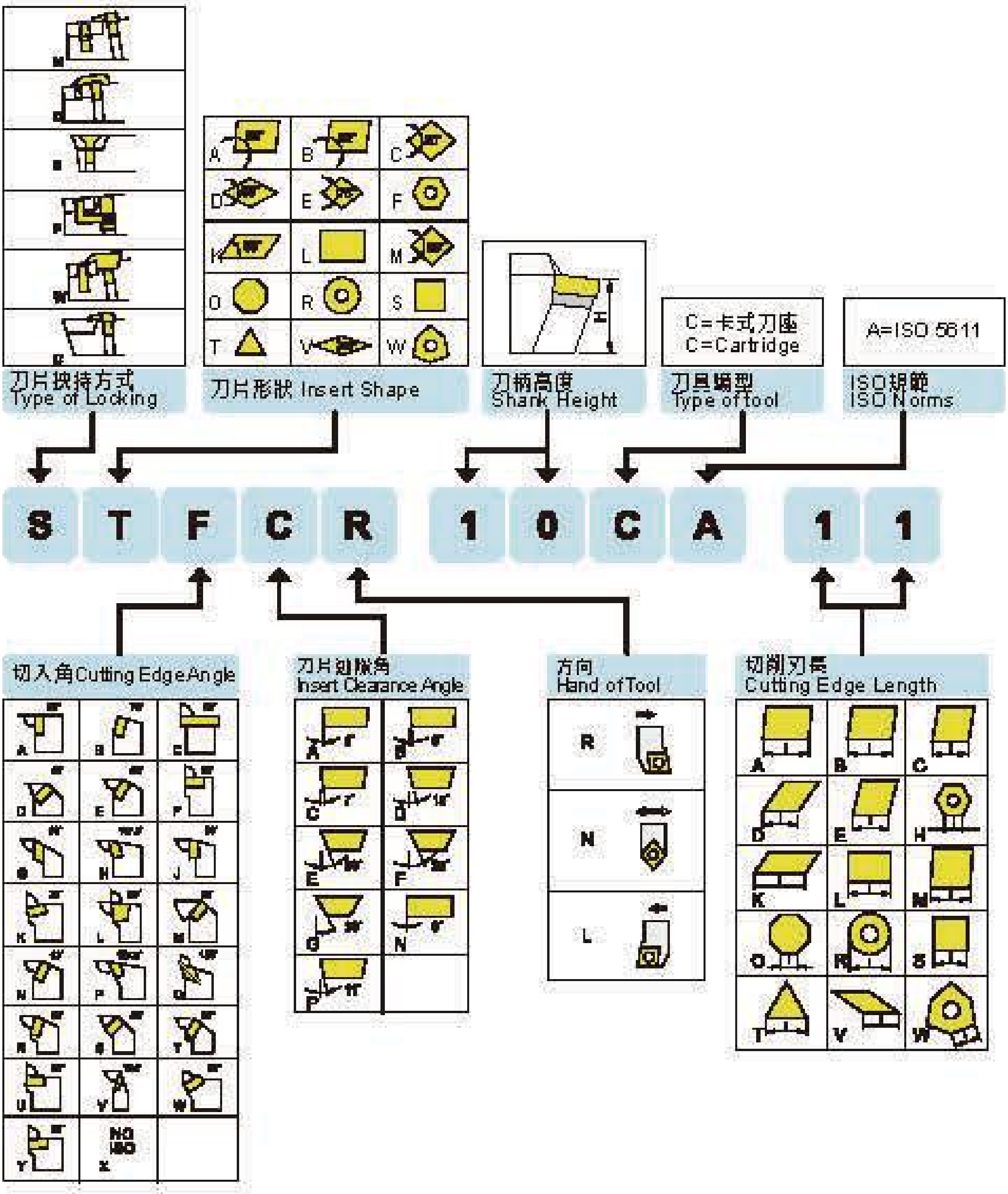
刃口方向 Cutting Direction



排屑槽 Chip Breaker Design

- -MG
- -M
- -MR
- -D
- -DK

卡式刀座指定系統
Cartridges Designation



內徑車刀
BORING BARS