三 井 SHAN GIN 弘展切削工具有限公司 HON JAN CUTTING TOOLS CO., LTD 2025

三 井
SHAN GIN

2025

替換式刀刃切削工具

INDEXABLE INSERT CUTTING TOOLS

PERFECT YOUR NEED

SHAN GIN
HON JAN cutting tools

Perfect Your need

您的需求，我們做到最好

三井 Shan Gin 一貫的品質堅持

1989年創立「弘展切削工具有限公司」，以「三井」品牌與國際接軌，致力於設計與製造捨棄式切削刀具，迄今已有36多年經驗與專業技術，在這經濟快速成長的時代，為符合市場及多樣化需求，弘展也精益求精，增加多元化產品，如外徑車刀、內徑車刀、切斷刀、牙槽刀、小部品（多機能自動車刀）、45度面銑刀、直角端銑刀、鑽銑刀、高進給銑刀、球刀、快速鑽頭、搪孔刀、卡式刀座...等各類型刀具，弘展擁有優秀的設計團隊及嚴守把關的品管，提供符合經濟效益的刀具及優質售後服務。為追求更高品質，於2021年導入ISO 9001:2015，是由國際標準組織所認可的制度，將產品優質化管理，有您的支持與肯定，必給予更高的服務水準及態度，弘展為您提供更好的選擇。

Our Quality Insistence can Perfect Your need.

Hon Jan Cutting Tools was founded in 1989 and we connected to the global market with the brand "SHAN GIN TOOLS". Our company produces indexable cutting tools for more than 36 years and our various product line contains boring bars, lathe turning tools, threading, grooving, milling, boring tools, cartridges, and high-speed drills. And our strict quality control obtains ISO 9001 certification, which makes us supply the qualified products confidently. As a leading manufacturer of cutting tools in Taiwan, we never stop innovating to perfect customers' requirements. We are certainly a reliable partner to work together!

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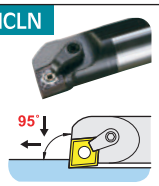
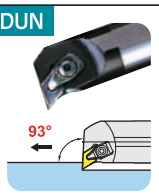
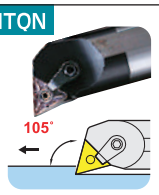
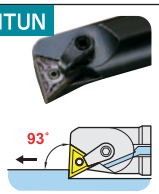
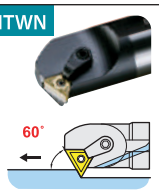
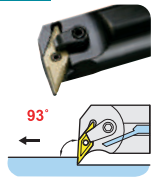
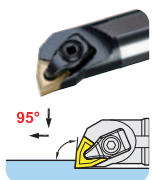
P.002	MCLN 	20 25 32 40 50 60	CN..1204	
P.003	DDUN 	32 40 50	DN..1504 DN..1506	
P.004	MTQN 	20 25 32	TN..1604	
P.005	MTUN 	20 25 32 40 50 60	TN..1604	
P.006	MTWN 	20 25 32	TN..1604	
P.007	MVUN 	25 32 40 50	VN..1604	
P.009	DWLN 	20 25 32 40	WN..0804	

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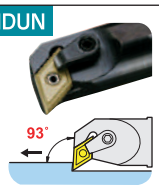
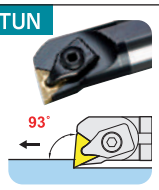
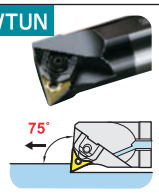
P.003	MDUN 	25 32	DN..1504 DN..1506	
P.004	DTUN 	20 25 32 40 50	TN..1604	
P.006	WTUN 	32 40 50 60	TN..1604	
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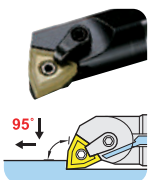
P.009	MWLN 	20 25 32 40 50 60	WN..0804	

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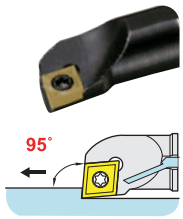
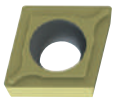
P.011	SCLC 	8	CC..0602	
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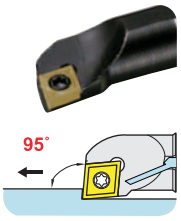
P.013	SCLP 	8	CP..0602	
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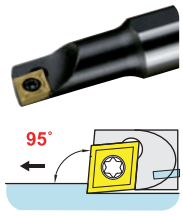
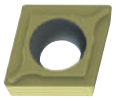
P.015	SCLC/P 	1004	CC..03S1	
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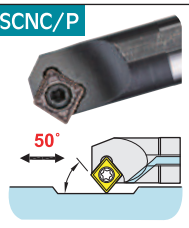
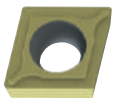
P.017	SCNC/P 	12	CC..0602	
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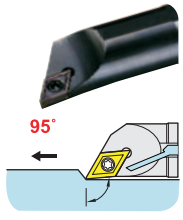
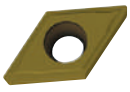
P.018	SDJC 	8	DC..0702	
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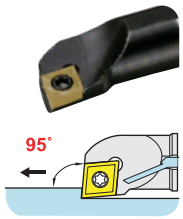
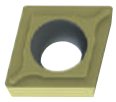
P.012	SCLC.. Carbide shank 	4	CC..03S1	
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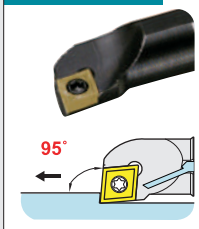
P.014	SCLP.. Carbide shank 	10	CP..0802	
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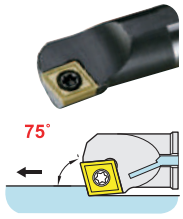
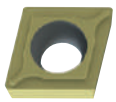
P.016	SCKC/P 	8	CC..0602	
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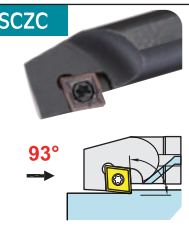
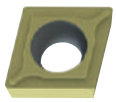
P.017	SCZC 	8	CC..0602	
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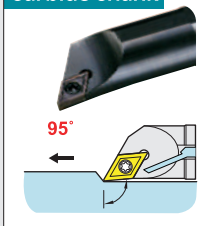
P.018	SDJC.. Carbide shank 	8	DC..0702	
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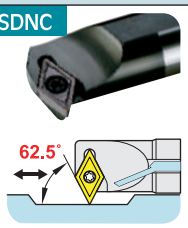
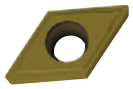
P.019	SDNC 	12 16	DC..0702	
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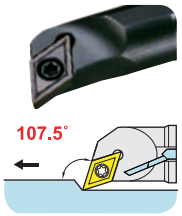
P.020	SDQC 	10 12 16 20	DC..0702	
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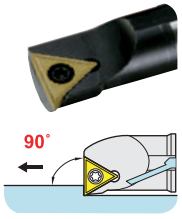
P.022	STFC/P 	6 8	TC..0601	
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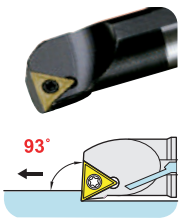
P.023	STUB/C 	6 8	TB..0601	
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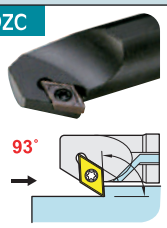
P.019	SDZC 	10 12 16	DC..0702	
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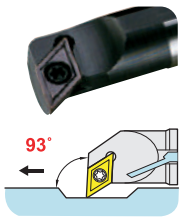
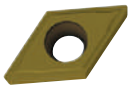
P.021	SDUC 	10 12 16 20	DC..0702	
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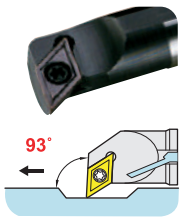
P.021	SDUC Carbide shank 	10 12 16	DC..0702	
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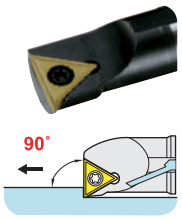
P.022	STFB/C.. Carbide shank 	6	TC..0601	
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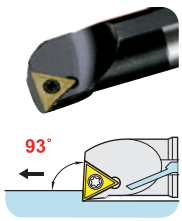
P.024	STUB/C.. Carbide shank 	6 7 8	TB..0601	
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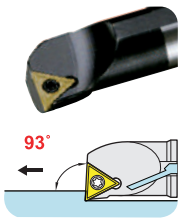
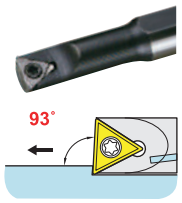
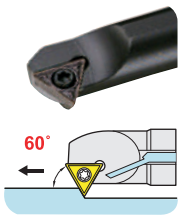
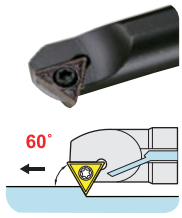
P.025	STUP 	8	TP..0802	
		10		
		12		
		16		
		8	TP..0902	
		10		
		10	TP..1103	
		12		
		14		
		15		
		16		
		18		
		20		
		22		
		23		
		25		
		20	TP..1603	
		25	TP..16T3	
		32	TP..1604	
P.027	STUB/C 	0806	TB..0601	
		0807		
		1207		
		1206	TC..0601	
		1207		
P.028	STWB/C 	0806	TB..0601	
		8	TC..0902	
		10	TC..1102	
		12		
		14		
		16		
		20		
		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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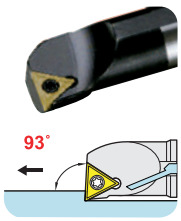
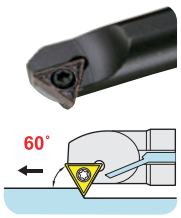
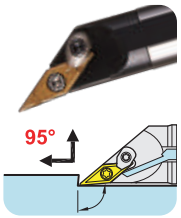
P.026	STUP.. Carbide shank 	8	TP..0802	
		10		
		12		
		8	TP..0902	
		10		
		10	TP..1103	
		12		
		14		
		16		
		20		
		25		
		20	TP..16T3	
		20	TP..1604	
P.028	STWC/P.. Carbide shank 	12	TC..1102	
		16		
		8	TP..0902	
		12	TP..1103	
P.029	SVJB/C..CL 	16	VB/VC..1103	
		20		
		20	VB/VC..1604	
		25		
		32		
		40		

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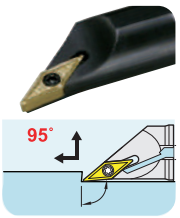
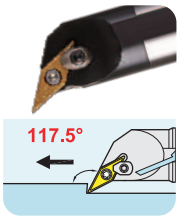
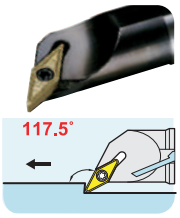
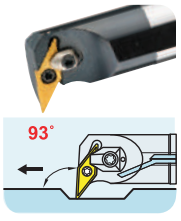
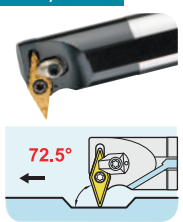
P.030	SVJB/C 	8	VC..0802	
		10		
		10	VB..1103 VC..1103	
		12		
		16		
		20		
		16	VB..1604 VC..1604	
		20		
		25		
		32		
		40		
P.032	SVQB/C...CL 	12	VB..1103	
		16		
		20		
		20	VB..1604 VC..1604	
		25		
		32		
		40		
P.033	SVQB/C 	12	VB..1103 VC..1103	
		16		
		20		
		20	VB..1604 VC..1604	
		25		
		32		
		40		
P.035	SVUB/C...CL 	16	VB..1103 VC..1103	
		20		
		20	VB..1604 VC..1604	
		25		
		32		
		40		
	SVUB/C...CL Carbide shank	16	VB..1103 VC..1103	
		20		
		20	VB..1604 VC..1604	
		25		
P.037	SVVB/C...CL 	16	VB..1103 VC..1103	
		20		
		25	VB..1604 VC..1604	
		32		

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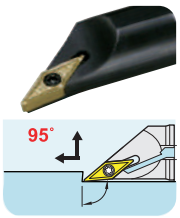
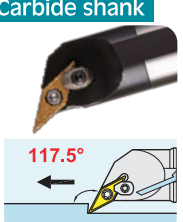
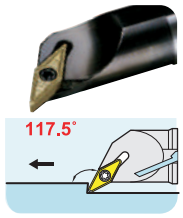
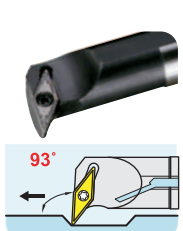
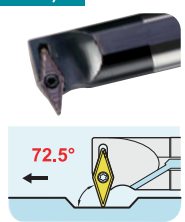
P.031	SVJB/C.. Carbide shank 	8	VC..0802	
		10		
		10	VB..1103 VC..1103	
		12		
		16		
		20		
		16	VB..1604 VC..1604	
		20		
		25		
P.032	SVQB/C..CL Carbide shank 	20	VB..1604 VC..1604	
		25		
P.034	SVQB/C.. Carbide shank 	12	VB..1103 VC..1103	
		16		
		20		
		20	VB..1604 VC..1604	
		25		
P.036	SVUB/C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

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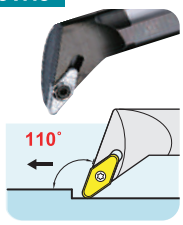
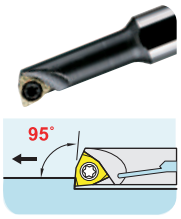
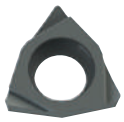
P.038	SVXC 	25	VC..2205	
P.039	SWLC 	0805 1005 1006	WC..0201	

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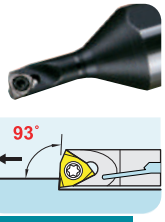
P.038	SVXC	25	VC..2205	
P.039	SWUB 	1005 1006 1007 1205 1605	WB..0601	
	SWUB Carbide shank	5 6 7	WB..0601	

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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
		25	03-20
		25.4	03-20
P.053	NC...MTA	25	MTA1-MTA3
		32	MTA1-MTA3
		40	MTA1-MTA4
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P.054	SBHA	16	32
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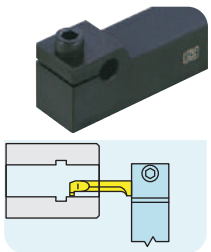
P.054	CH 	20	5
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			10
		25	5
			6
			8
			10
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外徑車刀 TOOLHOLDERS

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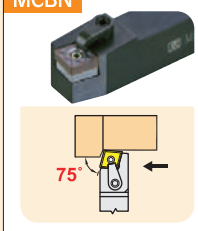
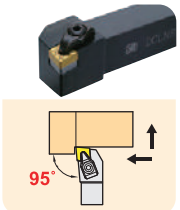
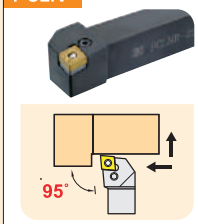
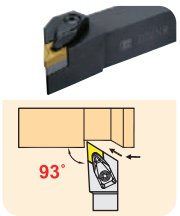
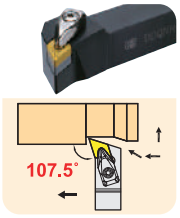
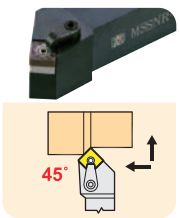
P.056	MCBN 	16×16 20×20 25×25 32×32	CN..1204	
P.057	DCLN 	16×16 20×20 25×25 32×32	CN..1204	
P.058	PCLN 	20×20 25×25 32×32	CN..1204	
P.059	DDJN 	20×20 25×25 32×32	DN..1504 DN..1506	
P.060	DDQN 	20×20 25×25 32×32	DN..1504 DN..1506	
P.061	MSSN 	16×16 20×20 25×25	SN..1204	

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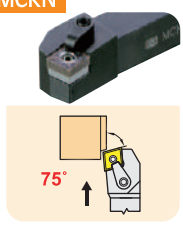
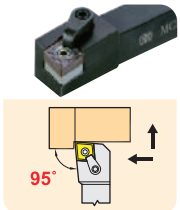
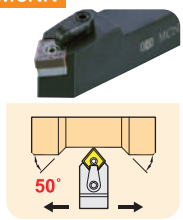
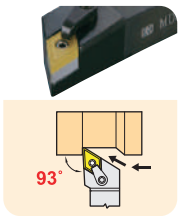
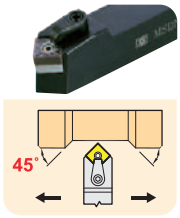
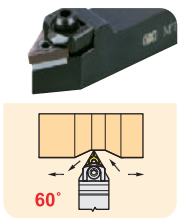
P.056	MCKN 	16×16 20×20 25×25 32×32	CN..1204	
P.057	MCLN 	16×16 20×20 25×25 32×32	CN..1204	
P.058	MCNN 	16×16 20×20 25×25 32×32	CN..1204	
P.059	MDJN 	20×20 25×25	DN..1504 DN..1506	
P.060	MSDN 	16×16 20×20 25×25	SN..1204	
P.061	MTEN 	12×16 16×16 20×20 25×25	TN..1604	

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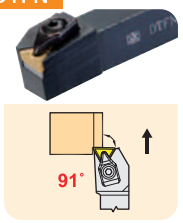
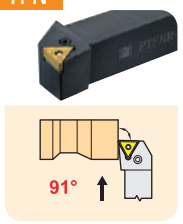
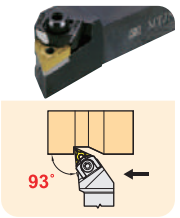
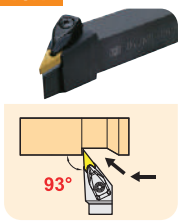
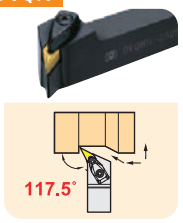
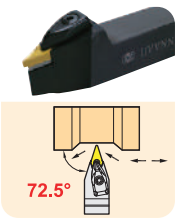
P.062	DTFN 	16×16 20×20 25×25 32×32	TN..1604	
P.063	PTFN 	20×20 25×25	TN..1604	
P.064	MTJN 	12×16 16×16 20×20 25×25 32×32	TN..1604	
		25×25 32×32	TN..2204	
P.065	DVJN 	20×20 25×25 32×32	VN..1604	
P.066	DVQN 	20×20 25×25 32×32	VN..1604	
P.067	DVVNN 	16×16 20×20 25×25 32×32	VN..1604	

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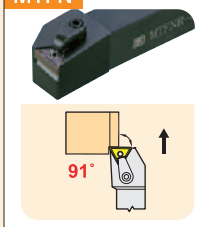
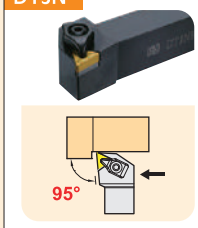
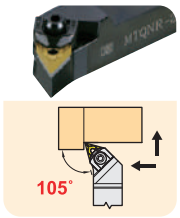
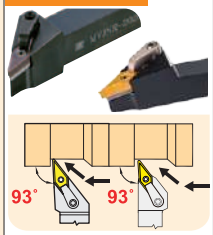
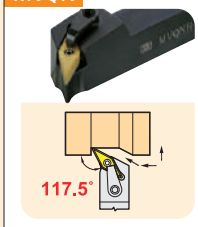
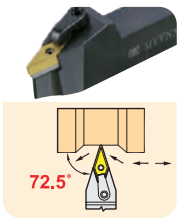
			Item code	Shape
P.062	MTFN 	16×16 20×20 25×25	TN..1604	
P.063	DTJN 	20×20 25×25 32×32	TN..1604	
P.064	MTQN 	20×20 25×25 32×32	TN..1604	
P.065	MVJ/2N 	12×16 16×16 20×20 25×25 32×32	VN..1604	
P.066	MVQN 	20×20 25×25 32×32	VN..1604	
P.067	MVVNN 	16×16 20×20 25×25	VN..1604	

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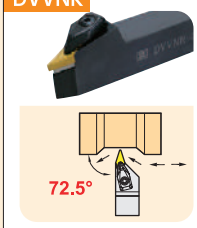
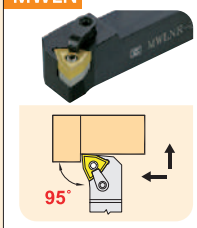
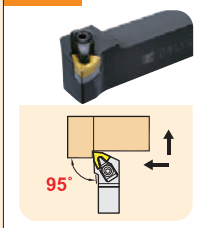
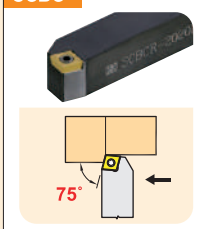
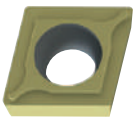
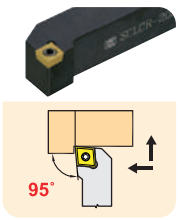
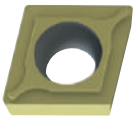
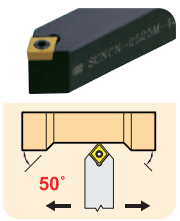
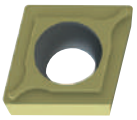
P.068	DVVNR 	20×20 25×25 32×32	VN..1604	
P.069	MWLN 	20×20 25×25 32×32	WN..0804	
P.070	DWLN 	20×20 25×25 32×32	WN..0804	
P.071	SCBC 	16×16 20×20 25×25	CC..09T3	
P.072	SCLC 	10×10 12×12 16×16 20×20 25×25 20×20 25×25 32×32	CC..0602 CC..09T3 CC..1204	
P.073	SCNC 	16×16 12×12 16×16 20×20 25×25 16×16 20×20 25×25	CC..0602 CC..09T3 CC..1204	

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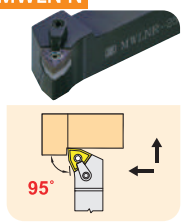
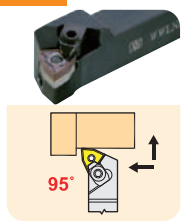
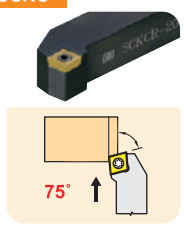
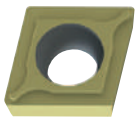
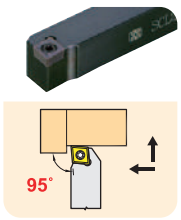
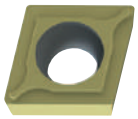
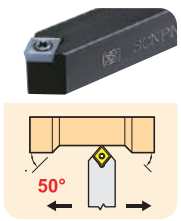
P.069	MWLN-N 	20×20 25×25	WN..0804	
P.070	WWLN 	16×20 20×20 25×25	WN..0804	
P.071	SCKC 	12×12 16×16 20×20 25×25	CC..09T3	
P.072	SCL2C 	08×08 10×10 12×12 16×16 20×20 25×25	CC..0602 CC..09T3	
P.073	SCNP 	12×12 16×16 20×20 25×25	CP..0903	

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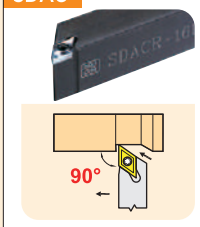
P.074	SDAC 	10×10	DC..0702 DC..11T3	
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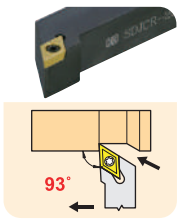
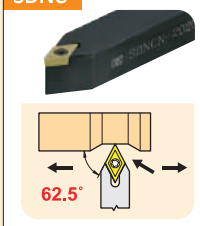
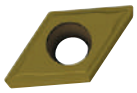
		16×16		
		20×20		
P.075	SDJC 	10×10	DC..0702 DC..11T3	
		12×12		
		16×16		
		20×20		
		25×25	DC..11T3	
		32×32		
P.076	SDNC 	10×10	DC..0702	
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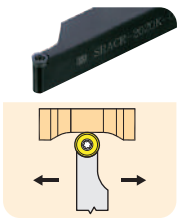
		16×16		
		20×20	DC..11T3	
		25×25		
P.077	SRAC 	10×10	RC..0502 RC..0602	
		12×12		
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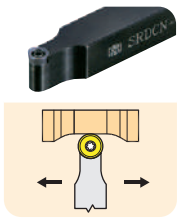
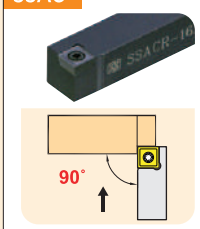
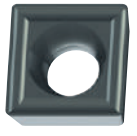
		20×20		
		25×25		
P.078	SRDC 	10×10	RC..0502 RC..0602	
		10×12	RC..0803	
		12×12	RC..0502	
		16×16	RC..0602	
		20×20	RC..0803	
		25×25	RC..1003	
		32×32	RC..1003	
P.079	SSAC 	9.5×12.7	SC..09T3	
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		12×12		
		16×16		

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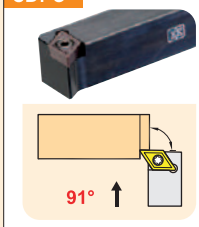
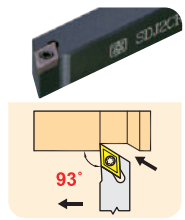
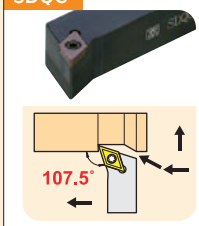
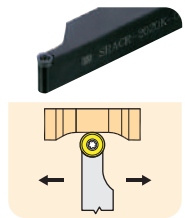
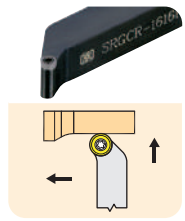
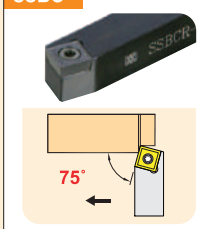
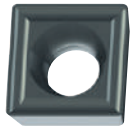
P.074	SDFC 	12×12	DC..0702	
		12×12	DC..11T3	
		16×16		
P.075	SDJ2C 	08×08	DC..0702	
		10×10	DC..0702 DC..11T3	
		12×12		
		16×16		
		20×20		
		25×25		
		32×32	DC..11T3	
P.076	SDQC 	12×12	DC..11T3	
		16×16		
		20×20		
		25×25		
P.077	SRAC 	12×12	RC..0803 RC..1003	
		16×16		
		20×20		
		25×25		
P.078	SRGC 	12×12	RC..0602	
		16×16		
		20×20		
		25×25		
		16×16	RC..0803	
		20×20		
		25×25		
P.079	SSBC 	9.5×12.7	SC..09T3	
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		12×12		

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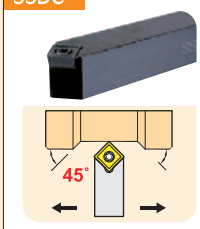
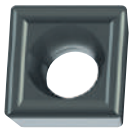
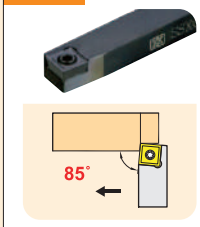
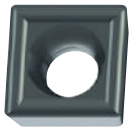
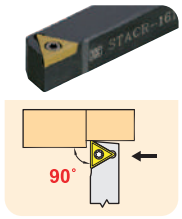
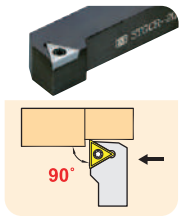
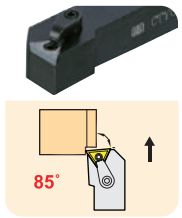
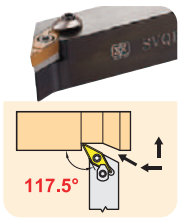
P.080	SSDC 	9.5×12.7 12.7×12.7 12×12 16×16 20×20 25×25	SC..09T3	
P.081	SSXC 	9.5×12.7	SC..09T3	
P.082	STAC 	10×10 12×12 16×16 9.5×12.7 12.7×12.7	TC..1102	
		12.7×16 16×16	TC..16T3	
P.083	STGC/P 	12×12 16×16 19×19	TC..16T3	
		20×20 25×25	TC..16T3 TP..1603	
P.084	CTYC 	20×20	TC..16T3	
P.087	SVQB/C..CL 	12×12 16×16 20×20	VB..1103 VC..1103	
		20×20 25×25 32×32	VB..1604 VC..1604	

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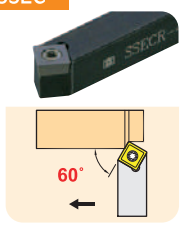
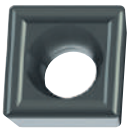
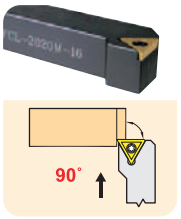
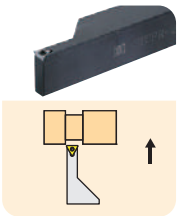
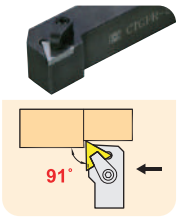
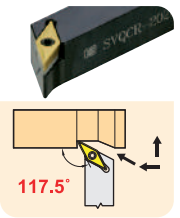
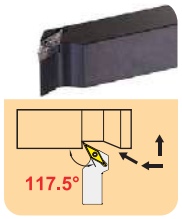
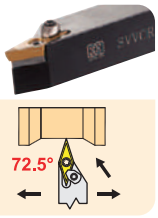
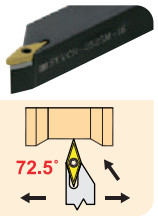
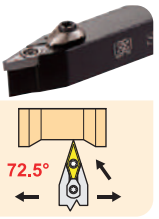
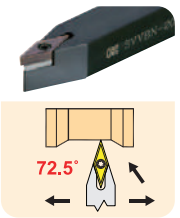
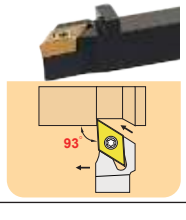
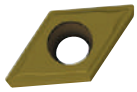
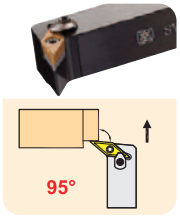
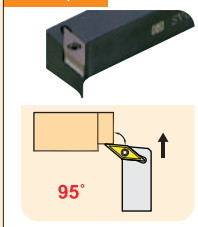
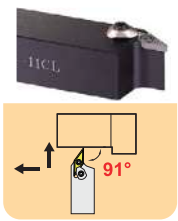
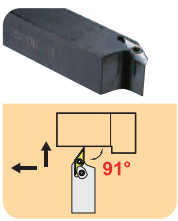
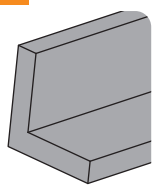
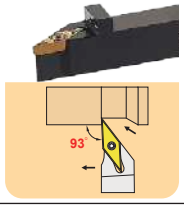
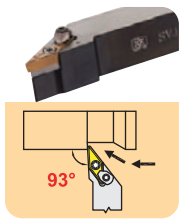
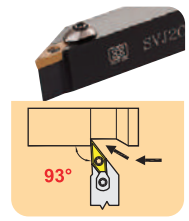
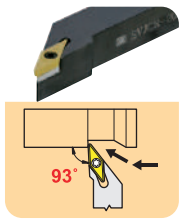
			Item code	Shape
P.080	SSEC 	9.5×12.7 12.7×12.7 12×12	SC..09T3	
P.082	STFC 	20×20 25×25	TC..16T3	
P.083	STCP 	25×25	TP..0902 TP..1103	
P.084	CTGP 	16×16 20×20 25×25	TP.N1603	
P.087	SVQB/C 	12×12 16×16 20×20	VB..1103 VC..1103	
		20×20 25×25	VB..1604 VC..1604	

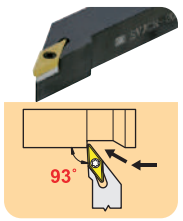
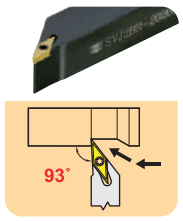
外徑車刀 TOOLHOLDERS

Page	Index	Height X Width	Insert Item code	Insert Shape
P.085	SVQ2C 	12×12 16×16	VC..1103	
P.086	SVVCR..CL 	16×16 20×20 25×25	VC..1604	
P.086	SVVCR 	9.5x9.5 12.7x12.7 16x16 20x20 16×16 20×20 25×25	VC..1103 VC..1604	
P.087	SVVB/CN..CL 	10×10 12×12 16×16 20×20 25×25 16×16 20×20 25×25 32×32	VB..1103 VC..1103 VB..1604 VC..1604	
P.087	SVVB/CN 	10×10 12×12 16×16 20×20 25×25 16×16 20×20 25×25 32×32	VB..1103 VC..1103 VB..1604 VC..1604	
P.089	SDJ2C-A 	12×12 16×16	DC..11T3	

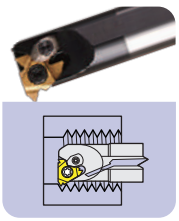
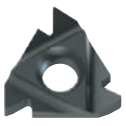
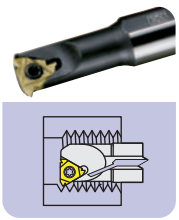
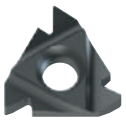
Page	Index	Height X Width	Insert Item code	Insert Shape
P.086	SVUB/C..CL 	20×20 25×25	VC..1604	
P.086	SVUB/C 	20×20 25×25	VC..1604	
P.088	SVA3CL..CL 	12×12 16×16 20×20 25×25	VC..1103	
P.088	SVA3CL 	12×12 16×16 20×20 25×25	VC..1103	
P.088	LMH 外徑墊高輔助刀座 	16×20 20×25 25×32 20×25.4		
P.089	SVJ2C-A 	12×12	VC..1103	

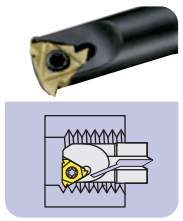
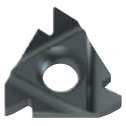
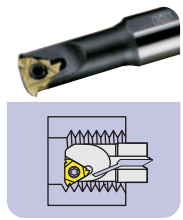
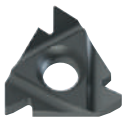
外徑車刀 TOOLHOLDERS

Page	Index	Height X Width	Insert Item code	Insert Shape
P.091	SVJB/C..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	
P.092	SVJ2B/C..CL 	10×10 12×12 16×16 20×20	VC..1103	
P.093	SVJB/C..F 	16×16 20×20	VB..1604	
		16×16 20×20 25×25	VC..1604	

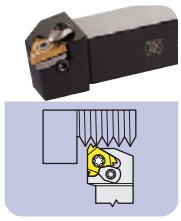
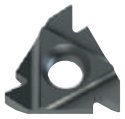
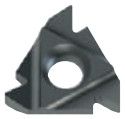
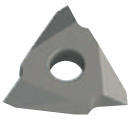
Page	Index	Height X Width	Insert Item code	Insert Shape
P.091	SVJB/C 	10×10 12×12 16×16 20×20 25×25	VB..1103 VC..1103	
		16×16 20×20 25×25 32×32	VB..1604 VC..1604	
P.092	SVJ2B/C 	10×10 12×12 16×16 20×20	VB..1103 VC..1103	
		16×16 20×20 25×25	VC..1604	

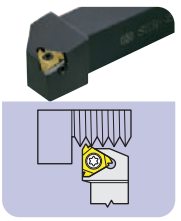
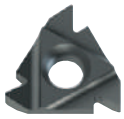
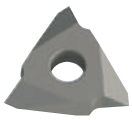
內徑牙刀 INTERNAL THREADING BORING BARS

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

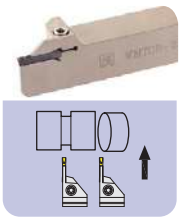
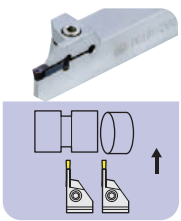
Page	Index	ØD	Insert Item code	Insert Shape
P.103	SNR/L-1 	8	08NR/L	
		10 12	11NR/L	
		14 16 60 80	16NR/L	
		20 25 32 40 50	16NR/L 22NR/L	
		32	27NR/L	
P.104	SNR/L-2 	12	06NR/L	
		16	08NR/L 11NR/L	
		16 20	11NR/L 16NR/L	

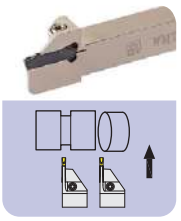
外徑牙刀 EXTERNAL THREADING TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.105	SER/L..CL 	10X10	16ER/L	
		12X12		
		12X16		
		16×16		
		20×20		
		25×25		
		32×32		
		20×20	22ER/L	
		25×25		
		25×25	27ER/L	
P.106	SKER/L	12×12	16ER/L	
		16×16		
		20×20		
		25×25		
P.109	WTH	20×20	MTTR/L43..	
		25×25		
		32×32		

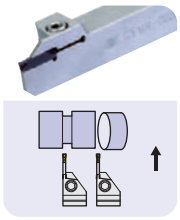
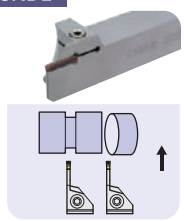
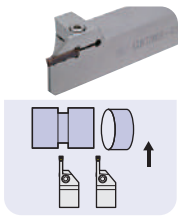
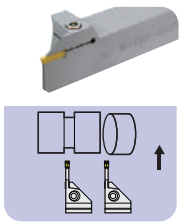
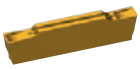
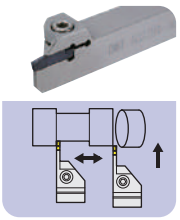
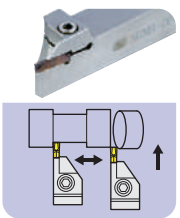
Page	Index	Height X Width	Insert	
			Item code	Shape
P.105	SER/L 	10×10	16ER/L	
		12×12		
		12×16		
		16×16		
		20×20	16ER/L 22ER/L	
		25×25		
		32×32		
		25×25	27ER/L	
		32×32		
P.109	WT1	16×16	MTTR/L43..	
		20×20		
		25×25		

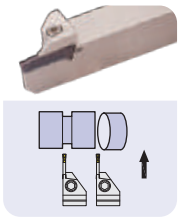
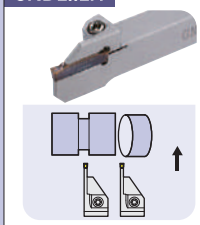
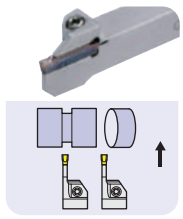
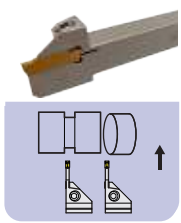
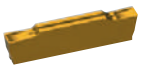
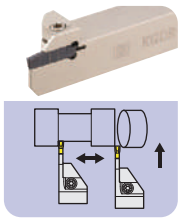
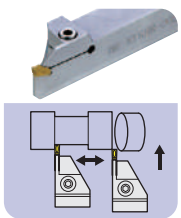
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

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

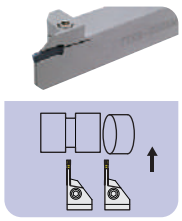
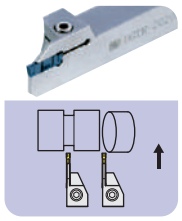
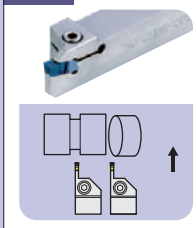
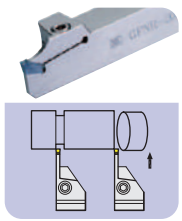
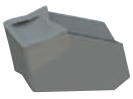
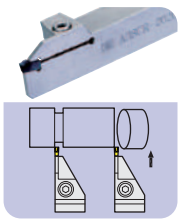
Page	Index	Height X Width	Insert	
			Item code	Shape
P.111	WMTC..LH 	10×10	WMTC015.. WMTC020..	
		12×12	WMTC015.. WMTC020.. WMTC094.. WMTC030..	
		16×16		

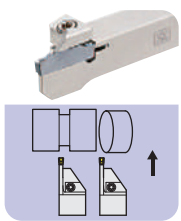
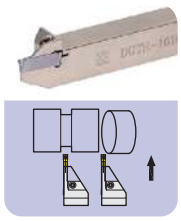
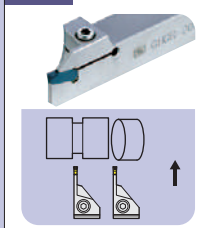
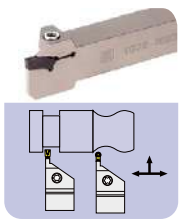
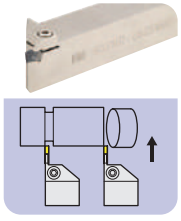
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

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

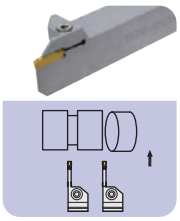
Page	Index	Height X Width	Insert Item code	Insert Shape
P.113	GYM..LH 	10×10 12×12 16×16	GY2M02.. GY2M02.. GY2M03..	
P.115	GNDL..LH 	12×12 16×16	GCMN20.. GCMN30.. GCMN20..	
P.116	GNDM..LH 	12×12	GCMN30..	
P.118	MGEH..TH 	8 × 8 10×10 12×12 16×16 12×12	MGMN 150 MGMN 150 M.MN 200 M.MN 200 MGMN 250	
P.119	KGD..LH 	10×10 12×12 16×16	GDM1516 GDM2020 GDM1316 GDM2020 GDM2420 GDM3020 GDM2020 GDM3020	
P.123	KTKH 	12×12 16×16 20×20 25×25 25×25	TKN 2 TKN 2.4 TKN 2 TKN 2.4 TKN 3.1 TKN 4.1	

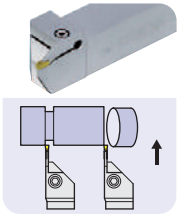
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.124	LGDR/L 	20×20	LGMN.. LGMR..	
		25×25		
P.125	DGT 	12×12	DGN20.. DGN22..	
		16×16	DGN20.. DGN22.. DGN30.. DGN31..	
		20×20		
		25×25		
P.127	GHD 	16×16	GIP.. GIF.. GIMF.. GIMY..	
		20×20		
		25×25		
P.129	GFN 	12×12	GF□ 2	
		16×16	GF□ 2 GF□ 3	
		20×20		
		25×25		
P.131	A3SC 	10×10	A2022..	
		12×12		
		16×16	A2022.. A2030..	
		20×20		
		25×25		

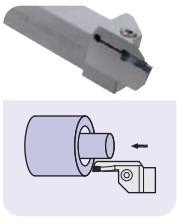
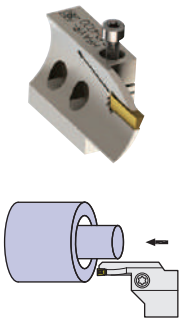
Page	Index	Height X Width	Insert	
			Item code	Shape
P.124	LGDR/L..LH 	10×10	LGMN.. LGMR..	
		12×12		
		16×16		
P.126	DGT..SH 	12×12	DGN14.. DGN15.. DGN30.. DGN31..	
		10×10	DGN20.. DGN22..	
		12×12		
		16×16		
P.127	GHG 	16×16	GIP.. GIF.. GIMF.. GIMY..	
		20×20		
		25×25		
P.130	TGDR 	20×20	TGMF3..	
		25×25		
		20×20	TGMF4..	
		25×25		
P.131	A3SM 	16×16	A2022..	
		20×20		
		25×25		

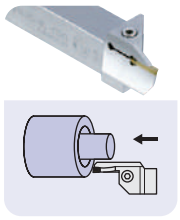
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.133	TNP 	16×16 20×20 25×25	TN300..	

Page	Index	Height X Width	Insert	
			Item code	Shape
P.134	R/LF151.23 	16×16 20×20 25×25	N151.2-200.. N151.2-250.. N151.2-300..	

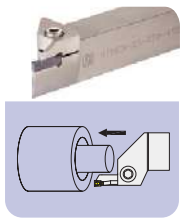
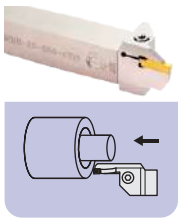
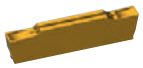
外徑端面開槽刀 EXTERNAL FACE GROOVING TOOLHOLDERS

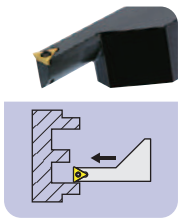
Page	Index	Hole Diameter		Insert	
		MIN	MAX	Item code	Shape
P.136	KGDFR 	30	45	GDFM3020..	
		45	65		
		65	85		
		85	110		
		110	145		
		35	50	GDFM4020..	
		50	70		
		70	100		
		100	150		
		150	220		
		220	800		
		50	75	GDFM5020..	
		75	115		
		115	180		
		180	235		
		235	800		
P.139	HFAVR 	29	34	HFPR30..	
		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		Insert	
		MIN	MAX	Item code	Shape
P.137	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.138		50	70	DGM50CTF	
		70	120		
		120	240		
		240	800		

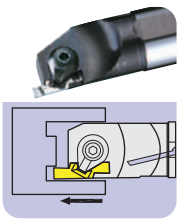
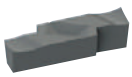
Page	Index	Height X Width	Adapter	
			Item code	Shape
P.140	HFAPR	20X25 25X25	HFAVR	

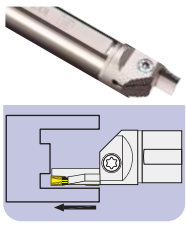
外徑端面開槽刀 EXTERNAL FACE GROOVING TOOLHOLDERS

Page	Index	Hole Diameter MIN	Hole Diameter MAX	Insert Item code	Insert Shape
P.141	HFHGR 	75	100	HFPR40.. GRIP40..	
		98	180		
P.142	MGFH 	50	70	MG_N400..	
		70	120		
		120	240		
		240	800		

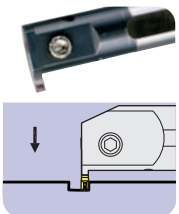
Page	Index	Height X Width	Insert Item code	Insert Shape
P.141	STCP 	25X25	TP..0902..	

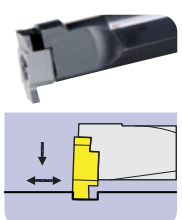
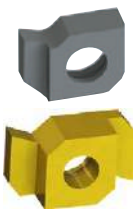
內徑端面開槽刀 INTERNAL FACE GROOVING TOOLHOLDERS

Page	Index	ØD	Insert Item code	Insert Shape
P.143	GIVFR 	16	GVFR..A	
		20	GVFR..B	
		25		
		32		

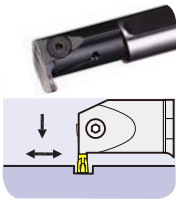
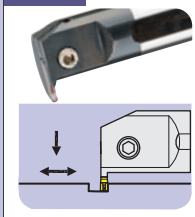
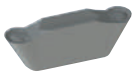
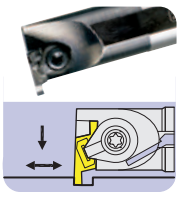
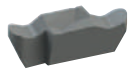
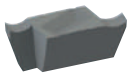
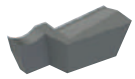
Page	Index	ØD	Insert Item code	Insert Shape
P.144	KFDIR 	12	GDFM2020..	
		20		
		25	GDFM4020..	
		32		

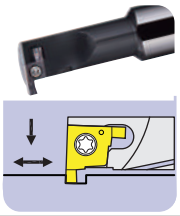
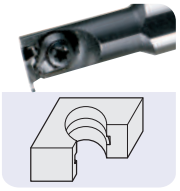
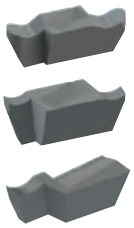
內徑開槽刀 INTERNAL GROOVING TOOLHOLDERS

Page	Index	ØD	Insert Item code	Insert Shape
P.145	DGIR 	20	DGM30CT DGJ30CTM DGM40CT DGJ40CTM	
		25		
		32		
		32	DGM50CT	
		40		

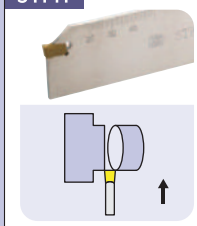
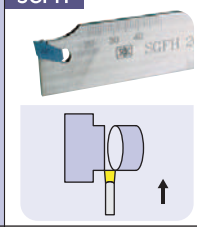
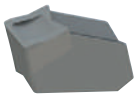
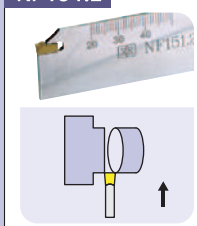
Page	Index	ØD	Insert Item code	Insert Shape
P.146	FSL51 	8	MLG10..L MLT1001L	
		10		
		12	MLG14..L MLT1401L	
		14		
		16		
		16	MLG20..L MLT2001L	
		20		

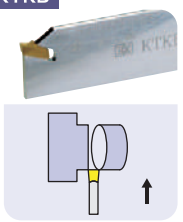
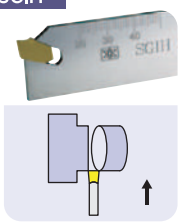
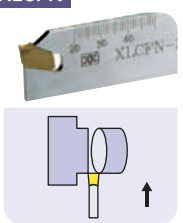
內徑開槽刀 INTERNAL GROOVING TOOLHOLDERS

Page	Index	ØD	Insert	
			Item code	Shape
P.147	GYIR 	20 25 32	GY2M03..	
		25 32	GY2M04..	
P.150	KIGMR 	16	GMM3014.. GMM3015..V	
		20 25	GDM3020.. GMM3015..V	
		32 40	GDM4020.. GMM4020..V	
P.151	GIVR-1 	8	GVR..SS	
		10	GVR..S	
		12 16	GVR..A	
		20	GVR..B	
		25 32	GVR..C	

Page	Index	ØD	Insert	
			Item code	Shape
P.149	KIGER 	08 10	GER..A GER..B	
		12 16	GER..C	
		20	GER..D	
P.152	GIVR-2 	16	GVR..SS GVR..S GVR..A	

切斷刀板 PARTING BLADE

Page	Index	Height	Insert	
			Item code	Shape
P.155	STFH 	26 32	WCF □3	
P.156	SGFH 	26 32	GF□ 2/2.4 GF□ 3	
P.157	NF151.2 	26 32	N151.2-200..	

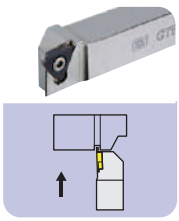
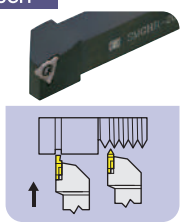
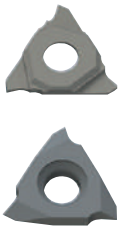
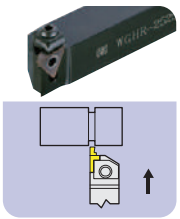
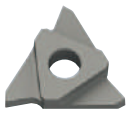
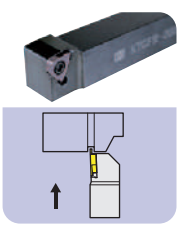
Page	Index	Height	Insert	
			Item code	Shape
P.155	KTKB 	26 32	TK□ 3 TK□ 4	
P.156	SGIH 	26 32	GT□ 2/2.4 GT□ 3 GT□ 4	
P.157	XLCFN 	26 32	FX3.1 FX4.1	

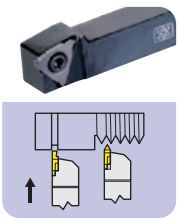
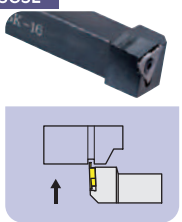
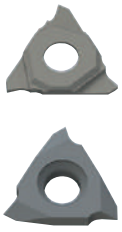
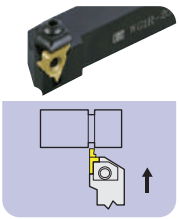
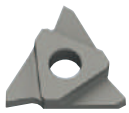
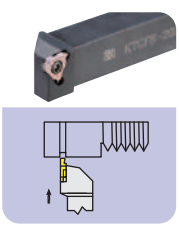
切斷板座 TOOLBLOCK

Page	Index	Height	Blade	
P.158	SGTBU	16 20 25 19.05 25.4	SGIH26.. SGFH26.. KTKB26.. XLCFN26.. STFH26.. NF151.2-26..	SGIH32.. SGFH32.. KTKB32.. XLCFN32.. STFH32.. NF151.2-32..

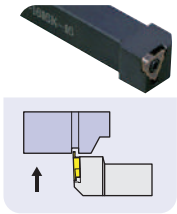
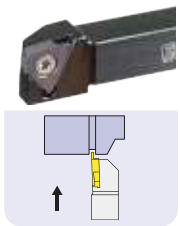
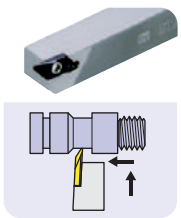
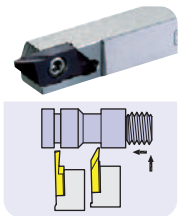
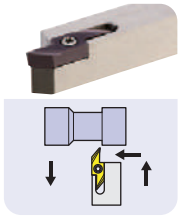
Page	Index	Height	Blade
P.158	SGTBV	25	SGIH26.. SGFH26.. KTKB26.. XLCFN26.. STFH26.. NF151.2-26..

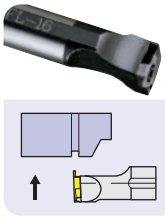
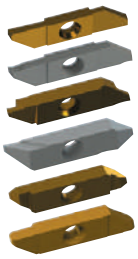
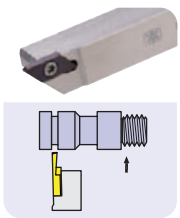
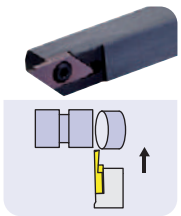
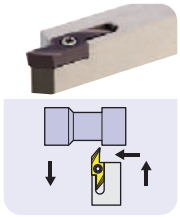
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.159	GTBH 	10×10 12×12 16×16 20×20	GTBT.. GTCT..	
P.160	SGH 	12×12 16×16 20×20 25×25	SMGTR16X2.. SMGTR16X2..C SMTTR160360..	
P.162	WGH 	20×20 25×25 16×16 20×20 25×25	MGTR/L33.. MGTR/L43..	
P.165	KTGF_F 	10×10 10×12 12×12 16×16 20×20	TGF32R/L	

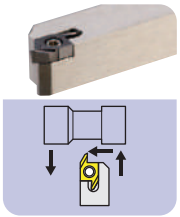
Page	Index	Height X Width	Insert	
			Item code	Shape
P.160	SGH2 	12×12 16×16 20×20	SMGTR16X2.. SMGTR16X2..C SMTTR160360..	
P.161	SGSL 	16×16 20×20	SMGTR16X2.. SMGTR16X2..C SMTTR160360.	
P.163	WG1 	16×16 20×20 25×25 32×32	MGTR/L33.. MGTR/L43.. MGTR/L43..	
P.165	KTGF 	16×16 20×20 25×25	TGF32R/L	

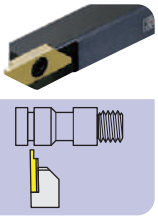
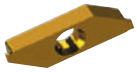
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

Page	Index	Height X Width	Insert	
			Item code	Shape
P.166	KTGFS 	16×16 20×20	TGF32R	
P.167	KGBF 	10×10 12×12 16×16 20×20 25×25	GBF32R	
P.169 P.170 P.171	SAKGR	10×10 12×12 16×16 20×20 25×25	AKBR 3.. AKCR 3.. AKPR 3.. AKGR 3.. AKTR 3.. AKRR 3..	
P.175	BTAH 	10×10 12×12 16×16	BTAT5528.. BTAT6035..	
P.177	CTBH 	10×10 12×12 16×16 20×20	BTBT60.. CTBT..	
P.179	SABSR 	10×10 12×12 16×16	ABS15R	

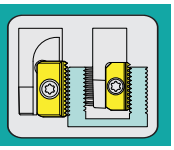
Page	Index	Height X Width	Insert	
			Item code	Shape
P.166	KTGFL 	Ø16	TGF32R	
P.172 P.173 P.174	SDKG	10×10 12×12 16×16 20×20 25×25	DKCR/L 3.. DKPR/L 3.. DKBR/L 4.. DKGR/L 4.. DKTR/L 4.. DKRR/L 4..	
P.176	CTAHR 	10×10 12×12 16×16 20×20	CTAT	
P.178	KTKF 	10×10 12×12 16×16 20×20 25×25	TKF12R/L TKF16R/L TKF16R/L	
P.179	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.180	JSEGR 	10×10	J10ER..B..	
		12×12		

Page	Index	Height X Width	Insert	
			Item code	Shape
P.181	SMALR 	10×10	MAGR3..	
		12×12		
		16×16		
		20×20		

銑牙刀 MILL THREAD TOOLHOLDERS



Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.187	MTSR	Ø9.9	12I	
		Ø12 I Ø20	14I/E	
		Ø21 I Ø30	21I/E	
		Ø31 I Ø40	30I/E	
		Ø48 I Ø50	40I/E	

Page	Index	Cutter Dia	Insert	
			Item code	Shape

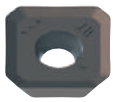
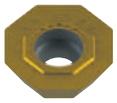
43° 面銑刀 43° FACE MILLING CUTTERS

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.189	NFK	Ø50-Ø160	OD..0605	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.190	TFM	Ø50-Ø160	OFMT05T3..	

45° 面銑刀
45° FACE MILLING CUTTERS

平面加工

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.191 P.192	ASX445	Ø50-Ø260	SE..13T3 R245-12T3 WE..13T3	
P.194	MOF	Ø50-Ø125	OFMT0504	
		Ø100	OFMT0704	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.193	SNF	Ø50-Ø160	SN..1205	
P.195	EPN	Ø50-Ø100	PN..0905	

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.198	ASX400	Ø50-Ø125	SO..12T3 WO..12T3	
P.199 P.200	APM shank	Ø12-Ø35	AOMT1236..	
		Ø32-Ø35	AOMT1848..	

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

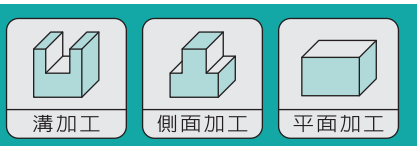
直角端銑刀
SHOULDER/CUTTING END MILLS

溝加工 | 側面加工 | 平面加工

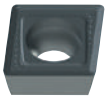
Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.203 P.204	BAP shank	Ø14.2-Ø33	APMT1135..	
		Ø25-Ø40	APMT1604..	
P.207	BXD shank	Ø25-Ø40	XDGT1550..	
	BXD modular	Ø32-Ø40	XDGT1550..	
P.209	ASM shank	Ø08-Ø25	JDMT0702..	
	ASM modular	Ø10-Ø25	JDMT0702..	
P.211	AHU shank	Ø16-Ø35	JDMT1003..R	
		Ø25-Ø35	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	Ø40	JDMT1003..R	
		Ø50-Ø80	JDMT1505..R	

直角端銑刀
SHOULDER/CUTTING END MILLS



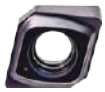
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.213	HCP shank	Ø16-Ø33	CPMT0903..	
		Ø33	CPMT1204..	
P.215	ASPV modular	Ø16-Ø42	MPHW0603..	
P.215	ASPV shell	Ø50-Ø63	MPHW0603..	
P.217	UEX shank	Ø12-Ø21	APET1202..	
		Ø25-Ø33	ADET1603..	
P.219	WEX shank	Ø12	AXMT0602..	
		Ø10-Ø33	AXMT1235..	
		Ø25-Ø40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

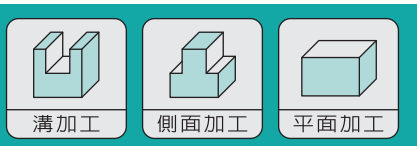
直角端銑刀
SHOULDER/CUTTING END MILLS

溝加工 | 側面加工 | 平面加工

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.222	WEM shank	Ø15-Ø25	APMT1035..	
P.223	MEC shank	Ø10-Ø13	BDMT0703..	
		Ø16-Ø33	BDMT11T3..	
P.225	MEW shell	Ø50-Ø80	LO..1004..	
P.227	CAP shank	Ø16-Ø32	APKT1003..	
		Ø24-Ø35	APKT1604..	
P.230	CAPW shell	Ø80-Ø100	APKT1604..	

Page	Index	Cutter Dia	Insert	
			Item code	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	CCN shank	Ø33	CNHT0703..	
	CCN modular	Ø17-Ø33	CNHT0703..	
P.228	CAP modular	Ø16-Ø26	APKT1003..	
		Ø32	APKT1604..	
P.229	CAP shell	Ø50-Ø63	APKT1003..	
		Ø40-Ø100	APKT1604..	

直角端銑刀
SHOULDER/CUTTING END MILLS



Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.231 P.232	TE90A shank	Ø12-Ø35	APKT09T3..	
		Ø25-Ø32	APKT1705..	
P.235	AKS shank	Ø10-Ø17	XOMT0602	
		Ø16-Ø33	XOMT0903..	
		Ø16-Ø35	XOMT10T3..	
		Ø18-Ø28	XOMT1204..	
P.239	VAX modular	Ø16-Ø35	R390-11T3	
		Ø25-Ø33	R390-1704	
P.241	PTN shank	Ø18-Ø35	TNGX1004..	
		Ø25-Ø33	TNGX1606..	
P.243	TPS shank	Ø16-Ø26	ASMT11T3..	
		Ø25-Ø32	ASMT1705..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.233	TE90A modular	Ø16-Ø35	APKT09T3..	
		Ø25-Ø35	APKT1705..	
P.234	TE90A shell	Ø50-Ø80	APKT09T3..	
		Ø50	APKT1705..	
P.236	AKS modular	Ø10-Ø25	XOMT0602	
		Ø16-Ø33	XOMT0903..	
		Ø17	XOMT10T3..	
		Ø26-Ø35	XOMT1204..	
P.237 P.238	VAX shank	Ø16-Ø35	R390-11T3	
		Ø25-Ø33	R390-1704	
P.240	VAX shell	Ø40-Ø100	R390-11T3	
		Ø50-Ø80	R390-1704	
P.242	PTN modular	Ø20-Ø33	TNGX1004..	
P.242	PTN shell	Ø40-Ø80	TNGX1004..	
		Ø40-Ø160	TNGX1606..	
P.244	TPS shell	Ø63-Ø100	ASMT1705	

鑽銑刀
BORING & MILLING CUTTERS

Page	Index	Cutter Dia	Insert		
			Item code	Item code	Shape
P.247	AQX shank	Ø16-Ø40	QO.T0830R.. QO.T1035R.. QO.T1342R.. QO.T1651R.. QO.T1856R.. QO.T2062R..	--	
P.249	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.251	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.253	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.255 P.256	RT shank	Ø06-Ø21	RT0702..	--	
		Ø16-Ø35	RT1003..		
		Ø20-Ø32	RT1304..		

Page	Index	Cutter Dia	Insert		
			Item code	Item code	Shape
P.248	AQX modular	Ø16-Ø35	QO.T0830R.. QO.T1035R.. QO.T1342R.. QO.T1651R..	--	
P.250	AJU modular	Ø16-Ø17	CPMT080204Z	CCMT060204..	
		Ø20-Ø21	CPMT090204Z	CCMT060204..	
		Ø25-Ø26	CPMT120308Z	CPMT090308..	
		Ø32-Ø33	CPMT160408Z	CPMT120408..	
P.252	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.254	PG shank	Ø20-Ø21	PG100308..	--	
		Ø25-Ø26	PG130408..	--	
		Ø32-Ø33	PG160408..	--	
P.257	RT modular	Ø09-Ø21	RT0702..	--	
		Ø16-Ø42	RT1003..		
P.258	RT shell	Ø50-Ø66	RT1003..		
		Ø40-Ø63	RT1304..		

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.261	ATN shank	Ø16-Ø26	ENMU06..	
P.263	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.266	ASRF4 modular	Ø32-Ø42	SD..1205	
P.267	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.262	ATN modular	Ø16-Ø42	ENMU06..	
	ATN shell	Ø40-Ø63	ENMU06..	
P.265	AJX shell	Ø52	JD..09T3	
		Ø50-Ø100	JD..1204 WD..1204	
		Ø63-Ø100	JD..1405 WD..1405	
P.266	ASRF4 shell	Ø42-Ø100	SD..1205	
P.268	ASR shell	Ø50-Ø80	EDNW13T4..	
		Ø63-Ø100	EDNW15T4..	

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.269	ASRS shank	Ø16-Ø35	EPMT0603..	
	ASRS modular	Ø16-Ø42	EPMT0603..	
P.271	ASS shank	Ø20-Ø35	SP..07T2	
	ASS modular	Ø20-Ø42	SP..07T2	
P.273	MFH shank	Ø16-Ø33	LOGU03..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.270	ASRS..C modular	Ø25-Ø35	EPMT0603..	
	ASR shell	Ø52	EPMT0603..	
P.272	ASS shell	Ø40-Ø63	SP..07T2	
P.274	MFH modular	Ø16-Ø33	LOGU03..	
	MFH shell	Ø40-Ø50	LOGU03..	

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.275	FFQ shell	Ø50-Ø63	SOMT1205..	
P.277	EXN shank	Ø10-Ø13	LNMU02..	
		Ø15-Ø35	LNMU03..	
P.279	TEBL shank	Ø16-Ø35	BLMP0603..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.276	PBN modular	Ø16-Ø40	BNGX10T3..	
	PBN shell	Ø50	BNGX10T3..	
P.278	EXN modular	Ø16-Ø42	LNMU03..	
	EXN shell	Ø40-Ø80	LNMU03..	
P.280	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	Insert Shape
P.281	BRP/RP shank	Ø20	RP..08T2	
		Ø25-Ø26	RP..10T3	
		Ø25-Ø40	RP..1204	
		Ø20-Ø26	RP..1003	
P.282	RPM shell	Ø42-Ø100	RP..1204	
P.283 P.284	HAR shank	Ø10-Ø13	RD..0501	
		Ø12-Ø26	RD..0802	
		Ø20-Ø40	RD..10T3	
		Ø25	RD..1204	
P.287 P.288	HAR shell	Ø40-Ø86	RD..10T3	
		Ø40-Ø80	RD..1204	
		Ø50-Ø160	RD..1604	
P.291	RD modular	Ø09-Ø17	RD..0501	
		Ø15-Ø35	RD..0702	
		Ø12	RD..07T1	
		Ø20-Ø42	RD..1003	
P.293	TR shank	Ø20-Ø35	RD..1003	
	TR modular	Ø20-Ø35	RD..1003	

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.281	BRP/RP modular	Ø25	RP..10T3	
		Ø25-Ø26	RP..1204	
		Ø20-Ø35	RP..1003	
P.285	HAR modular	Ø10-Ø17	RD..0501	
		Ø16-Ø25	RD..0802	
		Ø20-Ø42	RD..10T3	
		Ø25-Ø42	RD..1204	
P.289 P.290	RD shank	Ø09-Ø17	RD..0501	
		Ø15-Ø35	RD..0702	
		Ø20-Ø35	RD..1003	
P.292	RD shell	Ø42-Ø80	RD..1003	
P.294	TR shell	Ø50-Ø66	RD..1003	
		Ø40-Ø63	RD..12T3	

球型精銑刀 BALL PRECISION CUTTERS

R角加工 | 曲面加工

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.295	SE shank	Ø12-Ø20	QP..120903 QP..1612T3 QP..201504	
P.297	WGR shank WGR modular	Ø8-Ø30	WGRMT-D08 | WGRMT-D32	

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.296	SR shank SR modular	Ø12-Ø25	ZP 1200.. ZP 1600.. ZP 2000.. ZP 2500..	
P.299	PPH shank PPH modular	Ø8-Ø25	PHB08.. | PHB20.. BNM-080.. | BNM-250.. SRFT10.. | SRFT25..	

R角精銑刀 RADIUS PRECISION CUTTERS

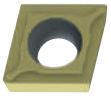
R角加工

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.298	GWV shank GWV modular	Ø12-Ø20	WPV 12.. | WPV 20..	
		Ø20-Ø25	WPV 20.. | WPV 25..	

Page	Index	Cutter Dia	Insert Item code	Insert Shape
P.300	PPHT shank PPHT modular	Ø12-Ø20	SUFT12R.. SUFT16R.. SUFT20R..	
			RNM-120.. RNM-160.. RNM-200..	

T型銑刀 T-GROOVE MILLING CUTTERS

溝加工 | T槽加工

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.301	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

側面加工 | 平面加工

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.302	DCWR60° shank	Ø16-Ø30	DCMT0702..	
		Ø40-Ø60	DCMT11T3..	
	DCWR75° shank	Ø50	DCMT11T3..	
	DCWR modular	Ø30-Ø35	DCMT0702..	
		Ø40	DCMT11T3..	

倒角刀 CHAMFER MILLS

孔倒角 | 倒角加工 | 倒角加工

Page	Index	ØD	Insert	
			Item code	Shape
P.303	TCRM shank	Ø21.5	TCMX16T308	
	TCR shank	Ø25	TC..16T3	

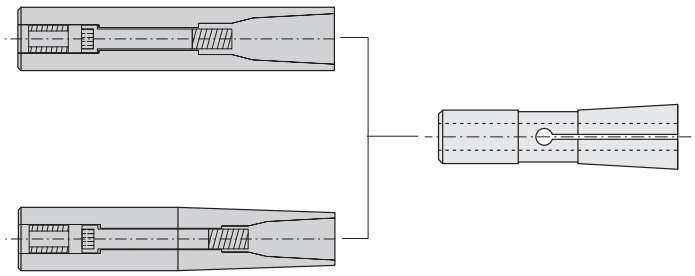
Page	Index	ØD	Insert	
			Item code	Shape
P.304	VMSP shank	Ø17-Ø50	SP..0502 SP..0903 SP..1203	
	VMSP modular	Ø35	SP..0903	
	TPR shank	Ø4	TP..1603	

連接式刀桿
EXTENSION ADAPTER

Page	Index	ØD	M	
P.315 P.316	MD	Ø12-Ø32	M5-M16	
	MD	Ø16-Ø42	M6-M16	
	HD Carbide	Ø8-Ø32	M4-M16	
	Arbor	BT40		

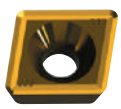
鎢鋼後拉式刀桿
CARBIDE HDC CHUCK & COLLET

Page	Index	ØD	Collet	
P.317	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		

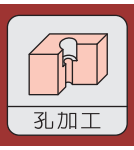


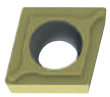
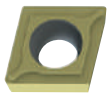
替換式快速鑽頭
INDEXABLE INSERTS HIGH SPEED DRILLS

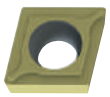
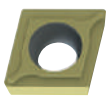
Page	Index	ØD	Insert	
			Item code	Shape
P.319	DW shank	18-40	WC..030208 WC..040208 WC..050308 WC..06T308	

Page	Index	ØD	Insert	
			Item code	Shape
P.320	DWD shank	13-39	WD..04.. WD..05.. WD..06.. WD..07.. WD..09.. WD..12..	

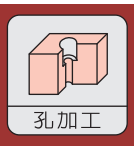
固定式粗搪刀
FIXED ROUGH BORING BARS

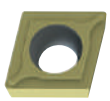


Page	Index	ØD	Insert	
			Item code	Shape
P.321 P.322	TB shank	8-57	CC..060204 CC..09T304	
P.325 P.326 P.327	TB shell	45-201	CC..09T304 CC..120404	
P.328	TBP shell	70-100	CP..090308	

Page	Index	ØD	Insert	
			Item code	Shape
P.323 P.324	TB..E shank	8-57	CC..060204 CC..09T304	
P.328	TBP shank	26-40	CP..090308	
P.328	TB modular	13-25	CC..060204	

可調式粗搪刀
ADJUSTABLE ROUGH BORING BARS



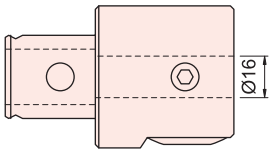
Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.329	TBJ	175-425	CC..120404	

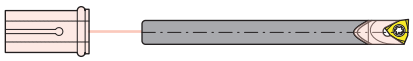
Page	Index	Cutter Dia	Insert	
			Item code	Shape

搪孔刀頭 & 配件
BORING HEAD & PART

Page

P.331
P.332





Ø6 ~ Ø7.5

EC1605 SC05H-SWUBR-06

Ø7 ~ Ø9

EC1606 SC06J-SWUBR-06

BE09A,Ø9~Ø10.5
BE10.5A,Ø10.5~Ø12

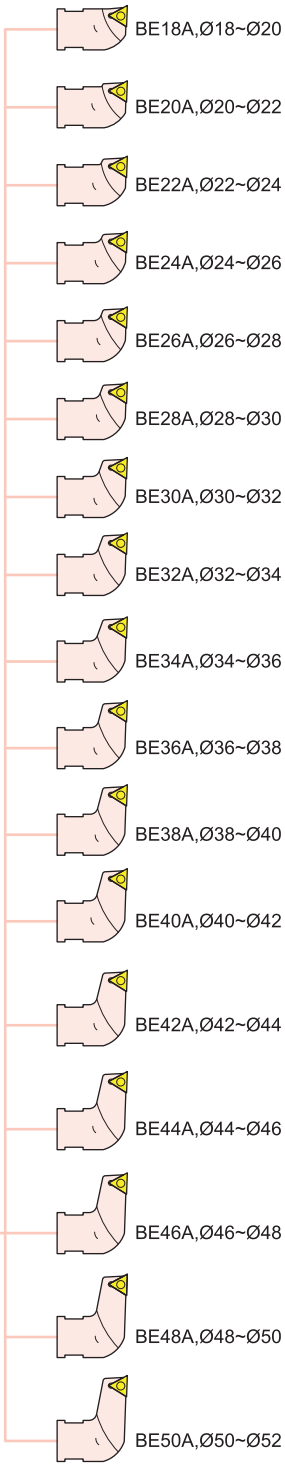
EC1608 SC08-M5-115

BE12A,Ø12~Ø14
BE14A,Ø14~Ø16
BE16A,Ø16~Ø18

EC1610
EC1612
EC1614

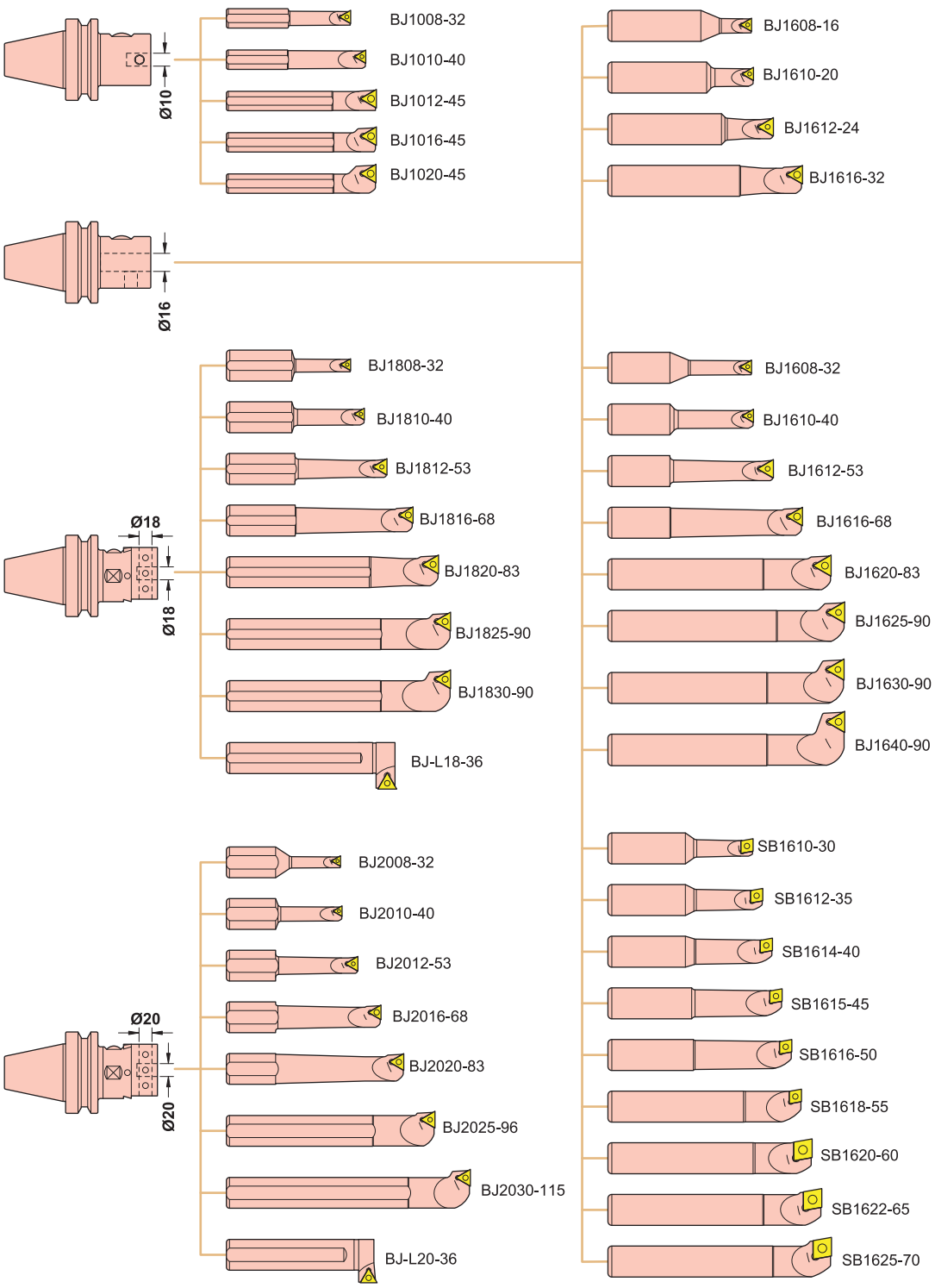
SC10-M6-115
SC10-M6-135
SC10-M6-160
SC12-M6-135
SC12-M6-165
SC14-M6-160

SC16-M10-105
SC16-M10-140
SC16-M10-180

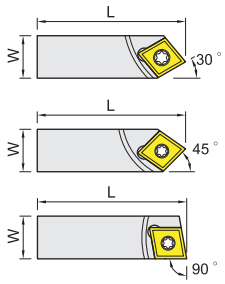
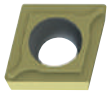
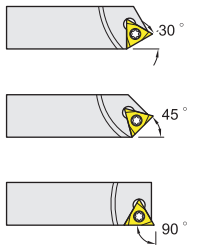
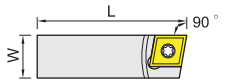
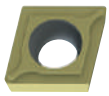


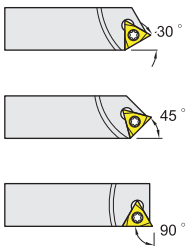
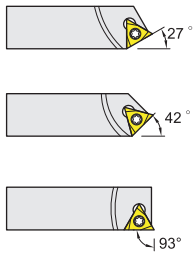
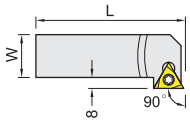
BE18A,Ø18~Ø20
BE20A,Ø20~Ø22
BE22A,Ø22~Ø24
BE24A,Ø24~Ø26
BE26A,Ø26~Ø28
BE28A,Ø28~Ø30
BE30A,Ø30~Ø32
BE32A,Ø32~Ø34
BE34A,Ø34~Ø36
BE36A,Ø36~Ø38
BE38A,Ø38~Ø40
BE40A,Ø40~Ø42
BE42A,Ø42~Ø44
BE44A,Ø44~Ø46
BE46A,Ø46~Ø48
BE48A,Ø48~Ø50
BE50A,Ø50~Ø52

小徑搪刀
BORING SHANK

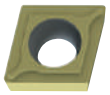
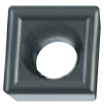
Page	
P.333 P.334 P.335 P.336	

小徑搪刀
BORING SHANK

Page	Index	Height × Width	Insert	
			Item code	Shape
P.337	**TBS** 	6×6	CC..0602	
		8×8		
		10×10		
		13×13	CC..09T3	
		16×16		
		19×19	CC..1204	
		25×25		
	SBS 	6×6	TP..0902	
		8×8		
		10×10		
		13×13	TP..1103	
		16×16		
		16×16	TP..1603	
		19×19		
		25×25		
	TBSL 	6×6	CC..0602	
		8×8		
		10×10		
		13×13	CC..09T3	
		16×16		
		19×19	CC..1204	
		25×25		

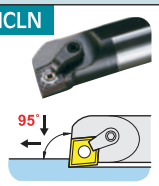
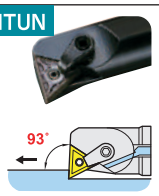
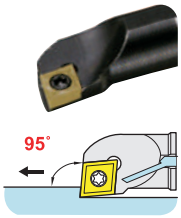
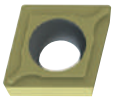
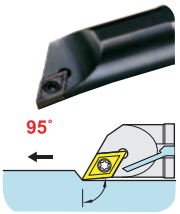
Page	Index	Height × Width	Insert	
			Item code	Shape
P.337	**TSBS** 	6×6	TC..0902	
		8×8		
		10×10		
		13×13	TC..1102	
		16×16	TC..16T3	
		19×19		
		25×25		
	SBS..A 	8×8	TP..0902	
		10×10		
		13×13	TP..1103	
		16×16		
		19×19	TP..1603	
	BSB 	16×16	TP..1103	
		20×20		
		25×25		

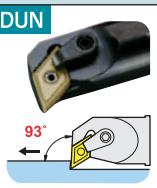
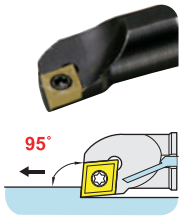
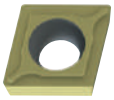
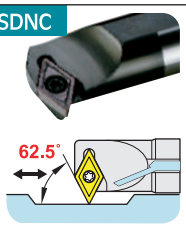
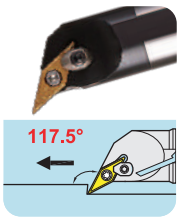
卡式刀座
CARTRIDGES

Page	Index	Height	Insert	
			Item code	Shape
P.338	SCFCR	08CA	CC..0602..	
		10CA	CC..09T3..	
		12CA	CC..1204..	
	SSSPR	10CA	SP..0903..	
	STFPR	08CA	TP..0902..	
		10CA	TP..1103..	
		12CA	TP..1603..	
P.339	STSPR	08CA	TP..0902..	
		10CA	TP..1103..	
		12CA	TP..1603..	
	STTCR	08CA	TC..0902..	

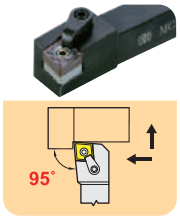
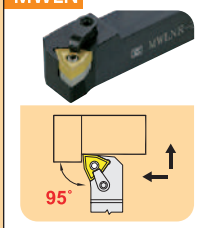
Page	Index	Height	Insert	
			Item code	Shape
P.338	SRSCR	10CA	RC..10T3..	
	STFCR	08CA	TC..0902..	
		10CA	TC..1102..	
		12CA	TC..16T3..	
P.339	STGCL	12CA	TC..16T3..	
	STSCR	08CA	TC..0902..	
		10CA	TC..1102..	
		12CA	TC..16T3..	

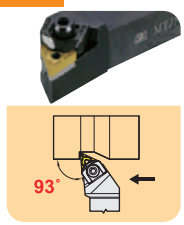
內徑車刀 BORING BARS

Page	Index	ØD	Insert	
			Item code	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 0.5 0.625 0.75 1	CC..21.. (CC..0602..) CC..32.. (CC..09T3..)	
P.044	SDJC 	0.375 0.625 0.625 0.75	DC..21.. (DC..0702..) DC..32.. (DC..11T3..)	

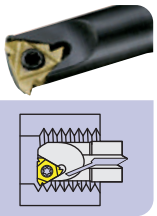
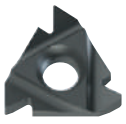
Page	Index	ØD	Insert	
			Item code	Shape
P.041	MDUN 	1	DN..43.. (DN..1204..)	
P.043	SCLC.. Carbide shank 	0.375	CC..21.. (CC..0602..)	
P.044	SDNC 	0.625 0.75	DC..21.. (DC..0702..) DC..32.. (DC..11T3..)	
P.044	SVQB/C...CL 	0.5 0.625 0.75	VC..22.. (VC..1103..)	

外徑車刀 TOOLHOLDERS

Page	Index	Height X Width	Insert Item code	Insert Shape
P.095	MCLN 	0.75X0.75	CN..43.. (CN..1204..)	
		1X1		
P.096	MWLN 	0.75X0.75	WN..43.. (WN..0804..)	
		1X1		

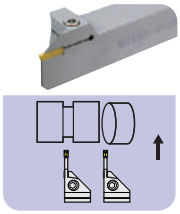
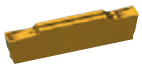
Page	Index	Height X Width	Insert Item code	Insert Shape
P.095	MTJN 	0.75X0.75	TN..33.. (TN..1604..)	
		1X1		

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		

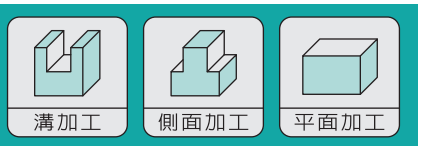
Page	Index	ØD	Insert Item code	Insert Shape

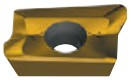
外徑切槽刀 EXTERNAL GROOVING TOOLHOLDERS

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

Page	Index	Height X Width	Insert	
			Item code	Shape

直角端銑刀 SHOULDER/CUTTING END MILLS

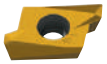


Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.307	ASM_R shank	Ø0.375 Ø0.5	EDMT070220..	
P.308	CAP shank	Ø1	APKT1604..	
P.309	VAX shank	Ø0.625 Ø0.75 Ø1	R390-11T3 R390-1704	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.308	CAP modular	Ø1	APKT1003..	

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	Shape
P.310	RT shank	Ø0.39 Ø0.5 Ø0.625	RT0702..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape

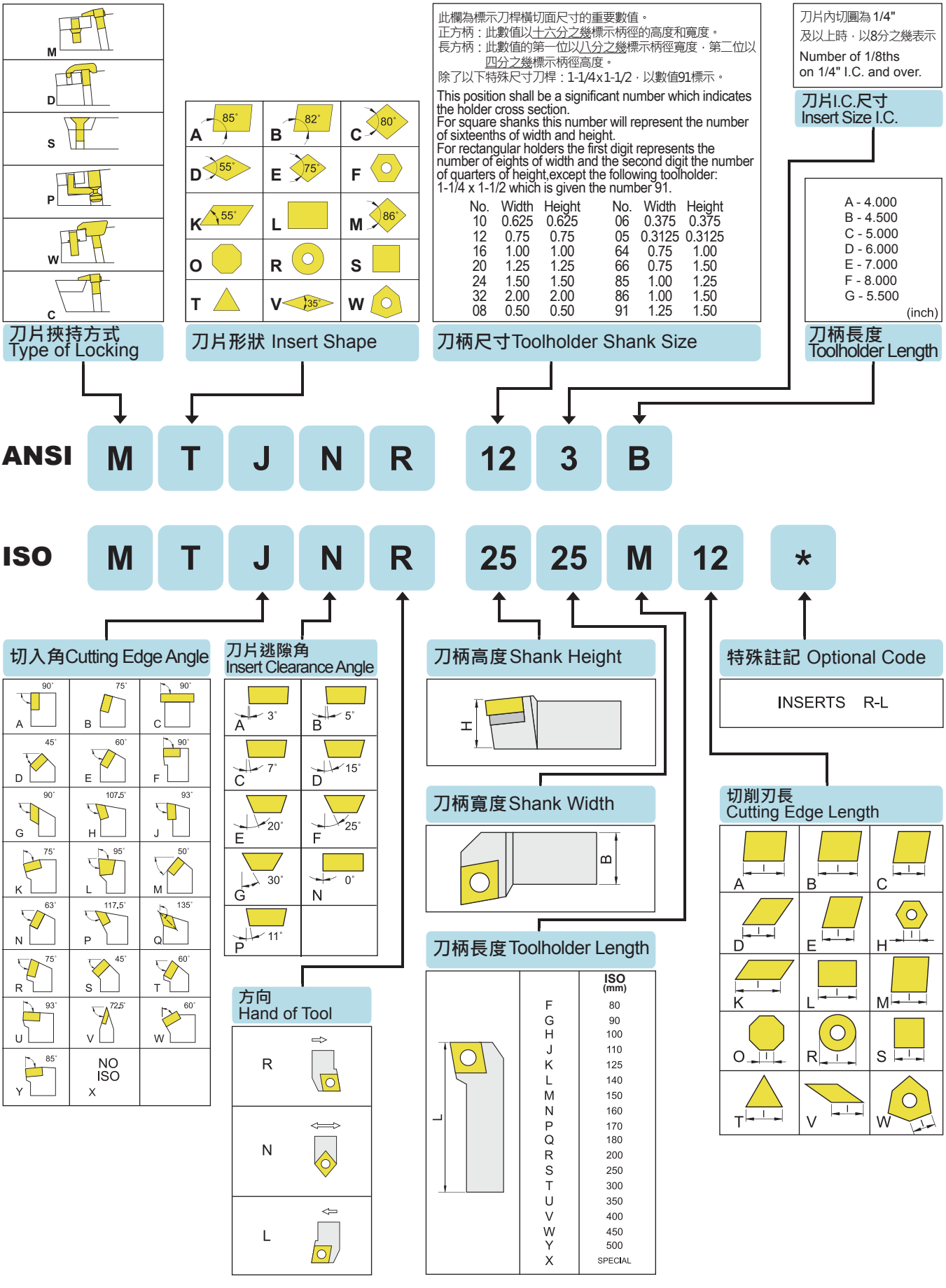
高進給銑刀 HIGH FEED MILLS

斜向加工 | 曲面加工 | 平面加工

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.311	ASRS shank	Ø0.625 Ø0.75 Ø1	EPMT0603..	
P.313	EXN shank	Ø0.625 Ø0.75 Ø1 Ø1.25	LNMU03..	

Page	Index	Cutter Dia	Insert	
			Item code	Shape
P.312	ASRS modular	Ø1	EPMT0603..	
P.314	EXN modular	Ø1	LNMU03..	

外徑車刀指示系統
Tool Holder Identification System



內徑車刀指示系統
Boring Bar Identification System

SHAN GIN

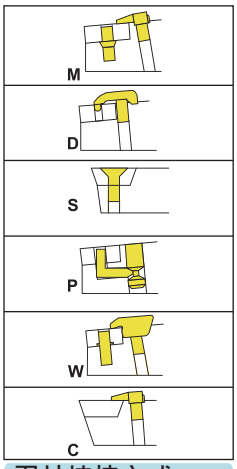
S = 鋼柄Steel shank
A = 鋼柄+中心水孔Steel shank + coolant hole
C = 鎢鋼柄Cemented carbide shank with steel head
E = 鎢鋼柄+中心水孔Cemented carbide shank with steel head + coolant hole

刀柄種類 Shank Type

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

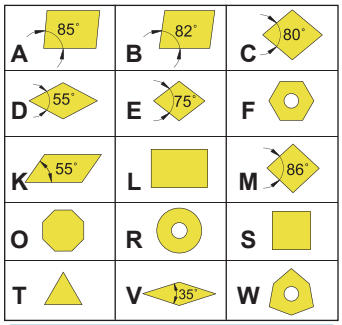
刀柄直徑 Shank Diameter



刀片挾持方式
Type of Locking

INSERTS R-L

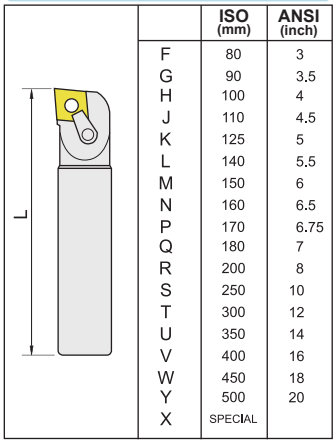
特殊註記 Optional Code



刀片形狀 Insert Shape

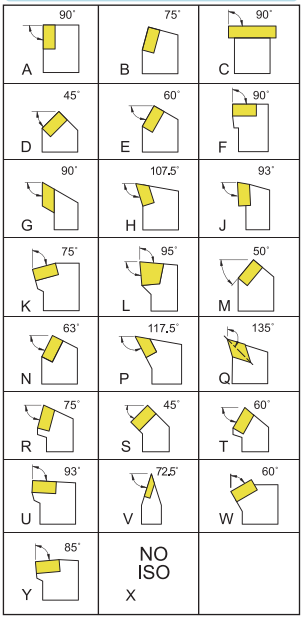
ANSI	S	12	R	S	C	L	C	R	4	*
ISO	S	12	M	S	C	L	C	R	09	*

刀柄長度 Toolholder Length

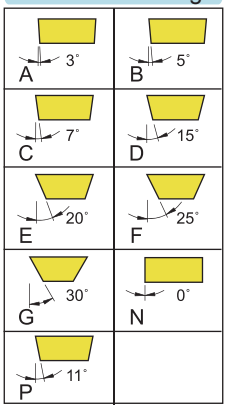


	ISO (mm)	ANSI (inch)
F	80	3
G	90	3.5
H	100	4
J	110	4.5
K	125	5
L	140	5.5
M	150	6
N	160	6.5
P	170	6.75
Q	180	7
R	200	8
S	250	10
T	300	12
U	350	14
V	400	16
W	450	18
Y	500	20
X	SPECIAL	

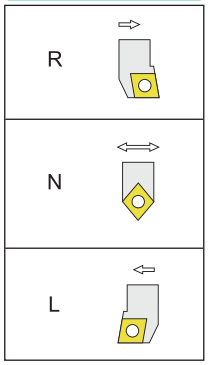
切入角Cutting Edge Angle



刀片逃隙角 Insert Clearance Angle



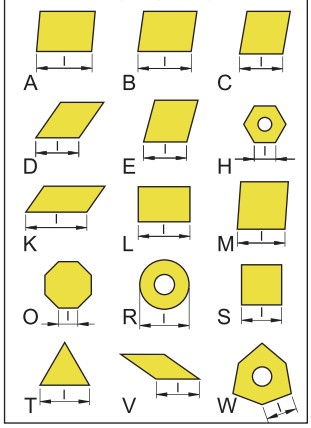
方向 Hand of Tool



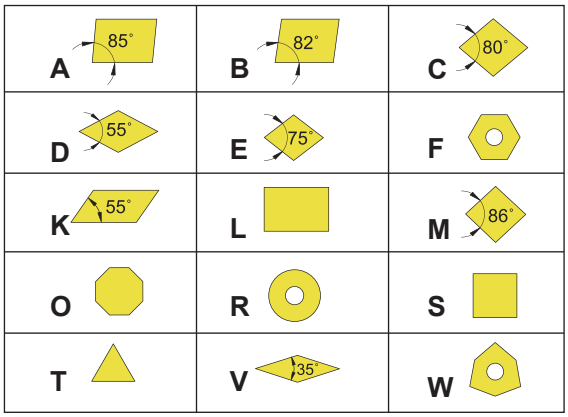
刀片尺寸 Insert Size

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

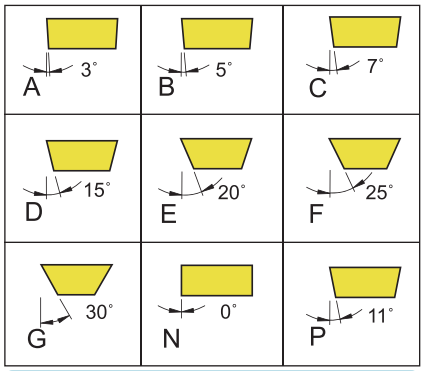
ISO 切削刃長
Cutting edge length



車刀刃指示系統
Turning Insert Identification System



刀片形狀 Insert Shape



刀片逃隙角 Insert Clearance Angle

ISO	C	N	M	G
ANSI	C	N	M	G

刀片公差 Insert Tolerances Class

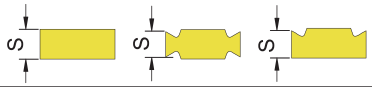
Tolerance	Range of tolerance					
	m ±		s ±		d ±	
	ISO (±mm)	ANSI (±inch)	ISO (±mm)	ANSI (±inch)	ISO (±mm)	ANSI (±inch)
A	0.005	0.0002	0.025	0.0010	0.025	0.0010
F	0.005	0.0002	0.025	0.0010	0.013	0.0005
C	0.013	0.0005	0.025	0.0010	0.025	0.0010
H	0.013	0.0005	0.025	0.0010	0.013	0.0005
E	0.025	0.0010	0.025	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	

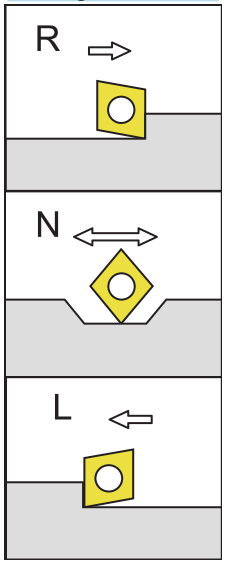
E	圓角 Rounded
F	尖角 Sharp
T	倒角 Chamfered
S	倒角+圓角 Chamfered and rounded

刃口形狀 Edge Shape

12	04	08	(E)	(N)	(MR)
4	3	2	(E)	(N)	(MR)

切削刃長 Cutting Edge Length (ISO)							內切圓直徑 I.C. Size (mm)	內切圓直徑 I.C. Size (ANSI)	
C	D	S	R	T	V	W		I.C. Size (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		

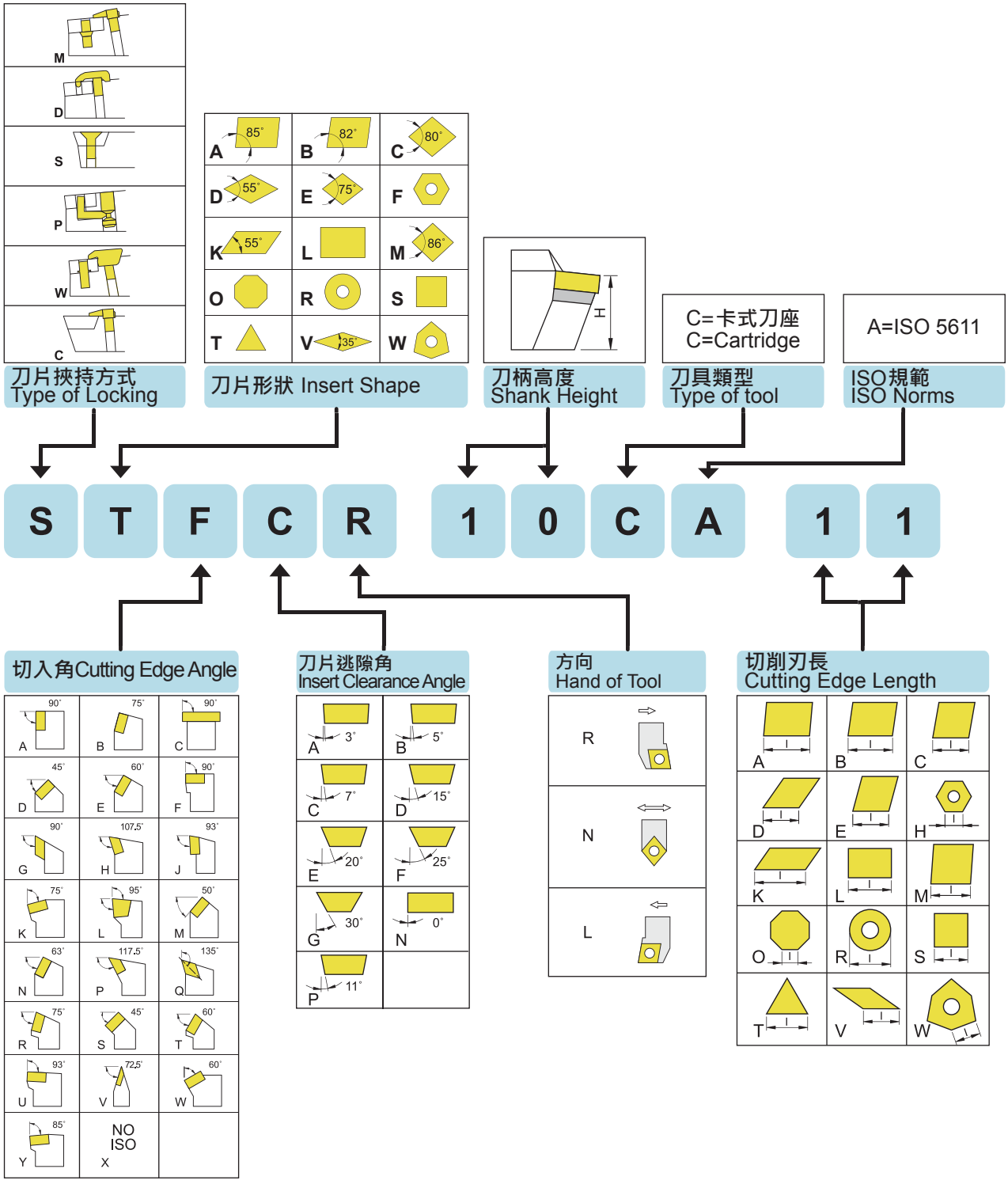
刃口方向 Cutting Direction



排屑槽 Chip Breaker Design

-MG
-M
-MR
-D
-DK

卡式刀座指定系統
Cartridges Designation

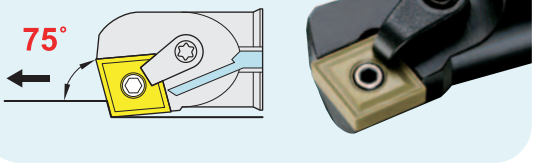


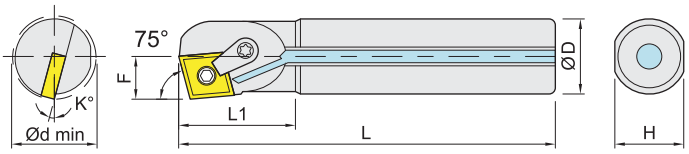
SHAN GIN

內徑車刀

BORING BARS

MCKN



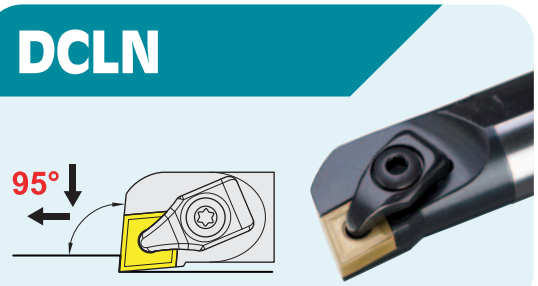


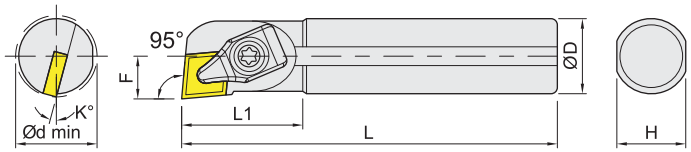
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S20R-MCKNR/L-12	**A20R-MCKNR/L-12**	20	200	40	13	18	15	25	CN..1204..	①	0.49
S25R-MCKNR/L-12	**A25R-MCKNR/L-12**	25	200	40	15.5	23	13	30			0.77
S32S-MCKNR/L-12	**A32S-MCKNR/L-12**	32	250	48	19.5	30	13	40	CN..1204..	②	1.58
S40T-MCKNR/L-12	**A40T-MCKNR/L-12**	40	300	55	25.5	37	12	50			2.96
S50U-MCKNR/L-12	**A50U-MCKNR-12**	50	350	60	30.5	47	10	60			5.40
S60V-MCKNR/L-12		60	400	60	35.5	57	9	70			8.88

Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
CN..1204..	①	--	MLP44-A	PL25	MC620	MS620TX	ETL15
CN..1204..	②	CMS432	MLP46-A	PL25	MC620	MS625TX	ETL15

DCLN



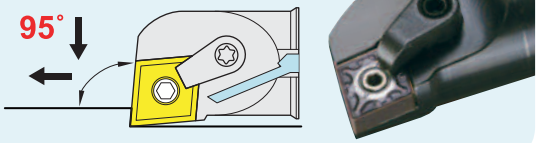


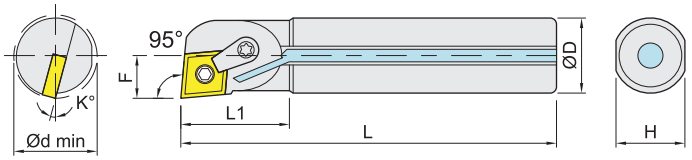
Steel shank (Right-hand shown)
鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S20R-DCLNR/L-12		20	200	40	14	18	15	28	CN..1204..	①	0.49
S25R-DCLNR/L-12		25	200	40	15	23	13	30			0.77
S32S-DCLNR/L-12		32	250	48	19 5	30	13	40	CN..1204..	②	1.58
S40T-DCLNR/L-12		40	300	55	25.5	37	12	50			2.96

Insert	Spare parts	Shim	Screw	Wrench	Clamp	Wrench
CN..1204..	①	--	--	--	MCD425	ETL20
CN..1204..	②	CMS432	MS6011H	--	MCD425	ETL20

MCLN



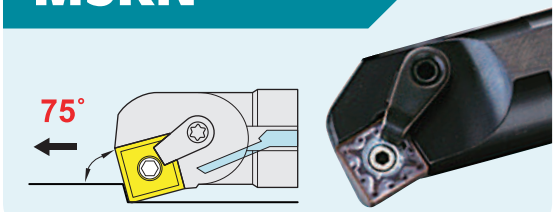


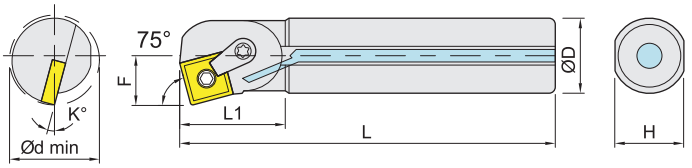
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S20R-MCLNR/L-12	**A20R-MCLNR/L-12**	20	200	40	13	18	15	25	CN..1204..	①	0.49
S25R-MCLNR/L-12	**A25R-MCLNR/L-12**	25	200	40	15.5	23	13	30			0.77
S32S-MCLNR/L-12	**A32S-MCLNR/L-12**	32	250	48	19.5	30	13	40	CN..1204..	②	1.58
S40T-MCLNR/L-12	**A40T-MCLNR/L-12**	40	300	55	25.5	37	12	50			2.96
S50U-MCLNR/L-12		50	350	60	30.5	47	10	60			5.40
S60V-MCLNR/L-12	**A60V-MCLNR/L-12**	60	400	60	35.5	57	9	70			8.88

Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
CN..1204..	①	--	MLP44-A	PL25	MC620	MS620TX	ETL15
CN..1204..	②	CMS432	MLP46-A	PL25	MC620	MS625TX	ETL15

MSKN



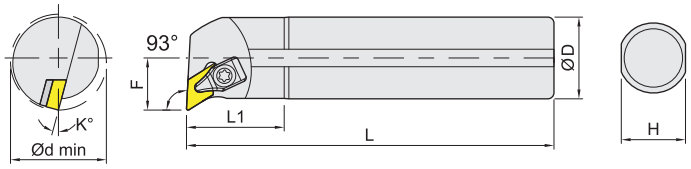


Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S25R-MSKNR/L-12	**A25R-MSKNR/L-12**	25	200	40	15	23	13	30	SN..1204..	①	0.77
S32S-MSKNR/L-12	**A32S-MSKNR/L-12**	32	250	48	19.5	30	13	40		②	1.58
S40T-MSKNR/L-12		40	300	55	25.5	37	12	50			2.96
S50U-MSKNR/L-12		50	350	60	30.5	47	10	60			5.40
S60V-MSKNR/L-12		60	400	60	36	57	9	70			8.88

Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
SN..1204..	①	--	MLP44-A	PL25	MC620	MS620TX	ETL15
SN..1204..	②	SMS432	MLP46-A	PL25	MC620	MS625TX	ETL15

DDUN



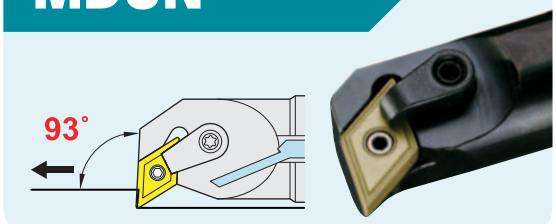
Steel shank (Right-hand shown)
鋼柄 右向示意圖

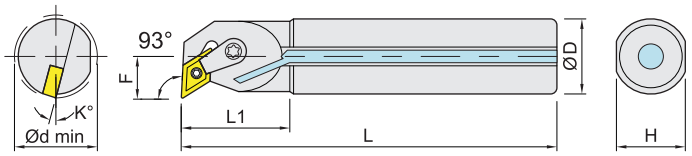
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S32S-DDUNR-1504		32	250	50	20	30	13	38	DN..1504..	①	1.58
S40S-DDUNR/L-1504		40	250	50	25.5	37	10	48		②	2.37
S50U-DDUNR/L-1504		50	350	60	30.5	47	10	58		②	5.27
S32S-DDUNR-1506		32	250	50	20	30	13	38	DN..1506..	③	1.58
S40S-DDUNR-1506		40	250	50	25.5	37	10	48		④	2.37
S50U-DDUNR/L-1506		50	350	60	30.5	47	10	58		④	5.27

Insert	Spare parts	Shim	Screw	Wrench	Clamp	Wrench
DN..1504..	①	DMS432	MS6011H	--	MCD425	ETL20
DN..1504..	②	DMS442				
DN..1506..	③	DPS422	MS6010G	ETL15		
DN..1506..	④	DMS432	MS6011H	--		

※此刀架本體共用。The tool is basically the same, only difference in shims.

MDUN



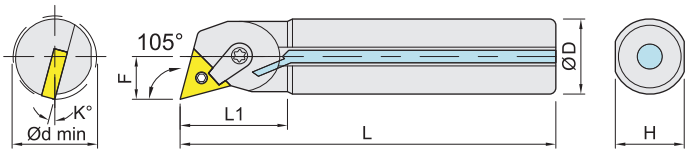


Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S25R-MDUNR/L-1504	**A25R-MDUNR/L-1504**	25	200	45	17	23	13	32	DN..1504..	①	0.77
S32S-MDUNR/L-1504	**A32S-MDUNR/L-1504**	32	250	50	21	30	13	40		②	1.58

Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
DN..1504..	①	--	MLP44-A	PL25	MC620	MS620TX	ETL15
DN..1504..	②	DMS432	MLP46-A	PL25	MC620	MS625TX	ETL15

MTQN

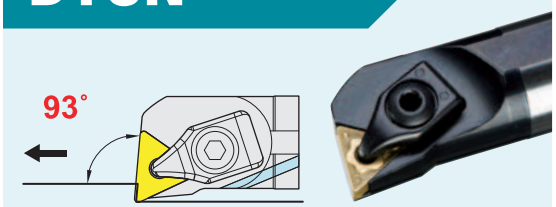


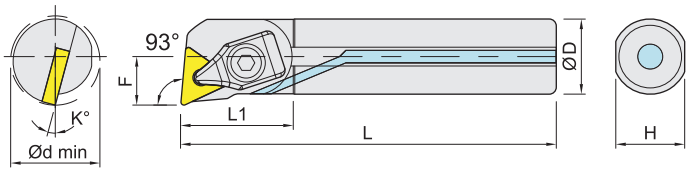
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S20R-MTQNR/L-16	**A20R-MTQNR/L-16**	20	200	40	13	18	15	25	TN..1604..	①	0.49
S25R-MTQNR/L-16	**A25R-MTQNR/L-16**	25	200	40	15	23	13	30			0.77
S32S-MTQNR/L-16	**A32S-MTQNR/L-16**	32	250	48	20	30	13	40		②	1.58

Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
TN..1604..	①	--	MLP33L-A	PL20	MC515	MS520TX	ETL10
TN..1604..	②	TMS322	MLP34L-A	PL20	MC620	MS625TX	ETL15

DTUN



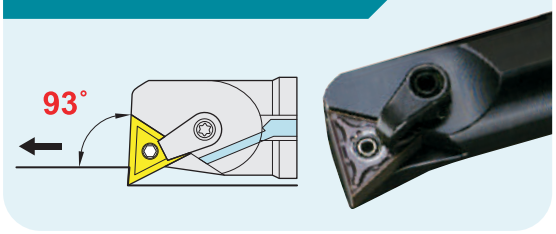


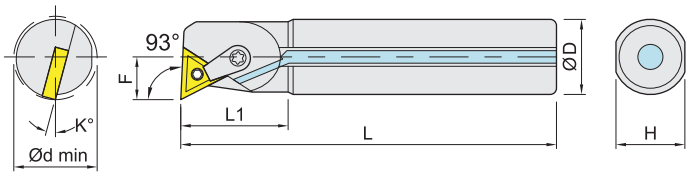
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S20R-DTUNR/L-16	**A20R-DTUNR/L-16**	20	200	40	14	18	15	28	TN..1604..	①	0.49
S25R-DTUNR/L-16	**A25R-DTUNR/L-16**	25	200	40	15.5	23	13	30			0.77
S25S-DTUNR/L-16		25	250	40	15.5	23	13	30			0.96
S32S-DTUNR/L-16	**A32S-DTUNR/L-16**	32	250	48	19.5	30	13	40	TN..1604..	②	1.58
S40U-DTUNR/L-16		40	350	55	25.5	37	10	50			3.45
S50V-DTUNR/L-16		50	400	60	30.5	47	10	60			6.17

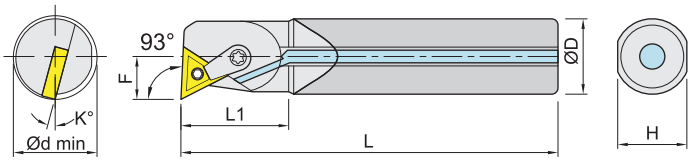
Insert	Spare parts	Shim	Screw	Wrench	Clamp	Wrench
TN..1604..	①	--	--	--	MCD324	ETL20
TN..1604..	②	TWS322	MS4008H	PL25	MCD324B	PL40

MTUN





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



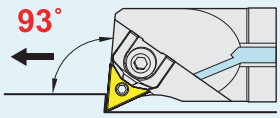
Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

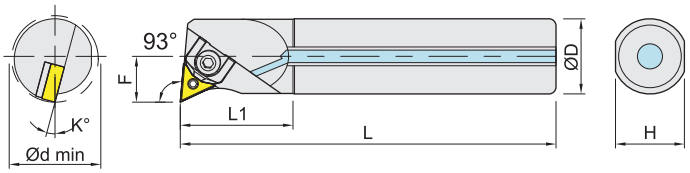
	Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
	無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
NEW	**S16Q-MTUNR/L-16**	**A16Q-MTUNR/L-16**	16	180	32	10	15	19	20	TN..1604..	①	0.28
	S20R-MTUNR/L-16	**A20R-MTUNR/L-16**	20	200	40	13	18	15	25	TN..1604..	②	0.49
	S25R-MTUNR/L-16	**A25R-MTUNR/L-16**	25	200	40	15.5	23	13	30			0.77
	S32S-MTUNR/L-16	**A32S-MTUNR/L-16**	32	250	48	19.5	30	12	40	TN..1604..	③	1.58
	S40T-MTUNR/L-16	**A40T-MTUNR/L-16**	40	300	55	25.5	37	10	50			2.96
	S50U-MTUNR/L-16	**A50U-MTUNR-16**	50	350	60	30.5	47	9	60			5.40
	S50V-MTUNR/L-16	**A50V-MTUNR-16**	50	400	60	30.5	47	9	60			6.17
	S60U-MTUNR/L-16		60	350	60	35.5	57	8	70			7.77
	S60V-MTUNR/L-16	**A60V-MTUNR/L-16**	60	400	60	35.5	57	8	70			8.88

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C20R-MTUNR -16	**E20R-MTUNR -16**	20	200	40	13	18	15	25	TN..1604..	②	0.81
C20S-MTUNR/L-16		20	250	40	13	18	15	25			1.08
C25S-MTUNR -16	**E25S-MTUNR/L-16**	25	250	40	15.5	23	13	30			1.58

Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
TN..1604..	①	--	MLP33L-A	PL20	MC35-3V	--	ETF15
TN..1604..	②	--	MLP33L-A	PL20	MC515	MS520TX	ETL10
TN..1604..	③	TMS322	MLP34L-A	PL20	MC620	MS625TX	ETL15

WTUN



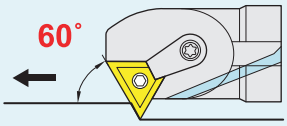


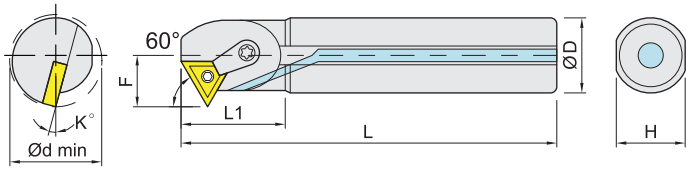
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S32S-WTUNR/L-16	**A32S-WTUNR/L-16**	32	250	48	19.5	30	12	40	TN..1604..	①	1.58
S40T-WTUNR/L-16	**A40T-WTUNR/L-16**	40	300	55	25.5	37	10	50	TN..1604..	②	2.96
S40U-WTUNR/L-16	**A40U-WTUNR/L-16**	40	350	55	25.5	37	10	50			3.45
S50U-WTUNR/L-16		50	350	60	30.5	47	9	60			5.40
S50V-WTUNR/L-16		50	400	60	30.5	47	9	60			6.17
S60U-WTUNR/L-16		60	350	60	35.5	57	8	70			7.77
S60V-WTUNR/L-16	**A60V-WTUNR -16**	60	400	60	35.5	57	8	70			8.88

Insert	Spare parts	Shim	Pin	Clamp	Wrench
TN..1604..	①	TMS322	SCP315	MCW3-P25	PL25
TN..1604..	②	TMS322	SCP318	MCW3-P25	PL25

MTWN



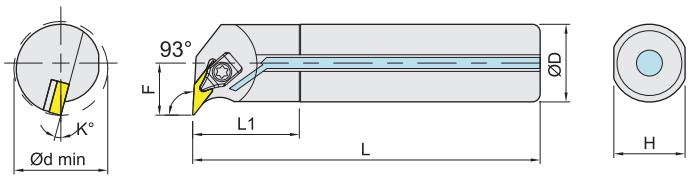


Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S20R-MTWNR/L-16	**A20R-MTWNR-16**	20	200	40	13.5	18	15	27	TN..1604..	①	0.49
S25R-MTWNR/L-16	**A25R-MTWNR/L-16**	25	200	40	16	23	13	32			0.77
S32S-MTWNR/L-16	**A32S-MTWNR/L-16**	32	250	48	20	30	13	40	TN..1604..	②	1.58

Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
TN..1604..	①	--	MLP33L-A	PL20	MC515	MS520TX	ETL10
TN..1604..	②	TMS322	MLP34L-A	PL20	MC620	MS625TX	ETL15

DVUN

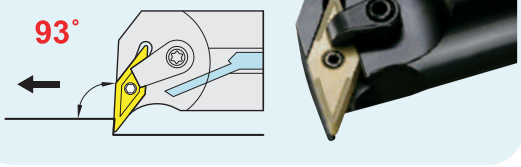


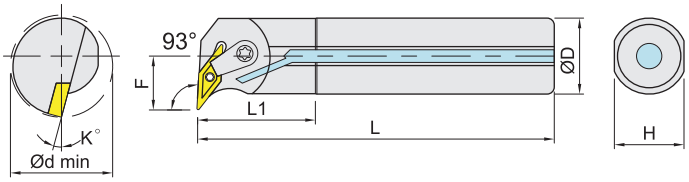
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S40T-DVUNR/L-16	**A40T-DVUNR/L-16**	40	300	55	26	37	10	50	VN..1604..	①	2.96
S40V-DVUNR/L-16	**A40V-DVUNR/L-16**	40	400	55	26	37	10	50			3.95
S50V-DVUNR/L-16	**A50V-DVUNR/L-16**	50	400	60	32	47	9	60			6.17

Insert	Spare parts	Shim	Screw	Wrench	Clamp	Wrench
VN..1604..	①	VMS322	MDS050H65T	PL35	MCD324B	ETL20

MVUN



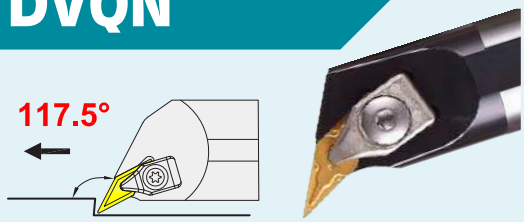


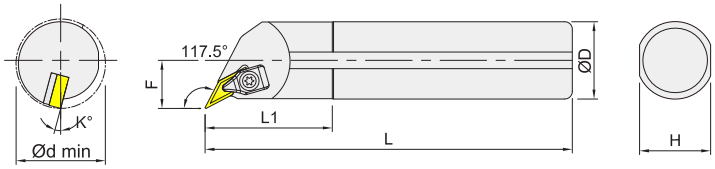
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S25R-MVUNR/L-16	**A25R-MVUNR/L-16**	25	200	45	18	23	13	32	VN..1604..	①	0.77
S32S-MVUNR/L-16	**A32S-MVUNR/L-16**	32	250	50	21	30	13	40	VN..1604..	②	1.58
S40T-MVUNR/L-16	**A40T-MVUNR/L-16**	40	300	55	26	37	10	50			2.96
S50U-MVUNR/L-16	**A50U-MVUNR/L-16**	50	350	60	32	47	9	60			5.40

Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
VN..1604..	①	--	MLP33L-A	PL20	MC515	MS520TX	ETL10
VN..1604..	②	VMS322	MLP34L-A	PL20	MC620	MS625TX	ETL15

DVQN



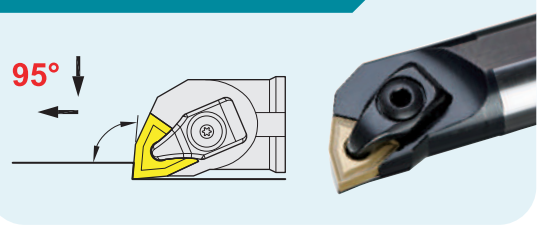


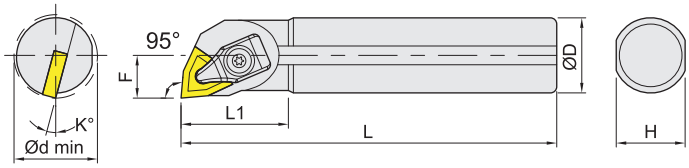
Steel shank (Right-hand shown)
鋼柄 右向示意圖

	Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
	無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
NEW	**S25R-DVQNR/L-16**		25	200	45	16	23	9	32	VN..1604..	①	0.77
NEW	**S32S-DVQNR/L-16**		32	250	50	21	30	7	40		②	1.58
NEW	**S40T-DVQNR/L-16**		40	300	50	25.5	37	6	50			2.96

Insert	Spare parts	Shim	Screw	Wrench	Clamp	Wrench
VN..1604..	①	--	--	--	MCD324	ETL20
VN..1604..	②	VMS322	MDS050H65T	PL35	MCD324	ETL20

DWLN



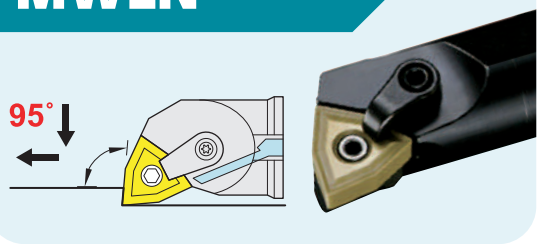


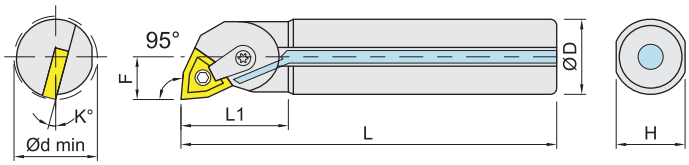
Steel shank (Right-hand shown)
鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S20R-DWLNR/L-08	–	20	200	40	14	18	15	28	WN..0804..	①	0.49
S25R-DWLNR/L-08	–	25	200	40	15	23	13	30			0.77
S32S-DWLNR/L-08	–	32	250	48	19.5	30	13	40	WN..0804..	②	1.58
S40T-DWLNR/L-08	–	40	300	55	25.5	37	11	50			2.96

Insert	Spare parts	Shim	Screw	Wrench	Clamp	Wrench
WN..0804..	①	--	--	--	MCD425	ETL20
WN..0804..	②	WMS432	MS6011H	--	MCD425	ETL20

MWLN



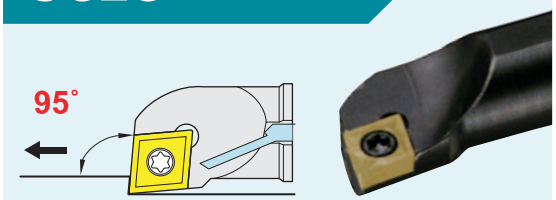


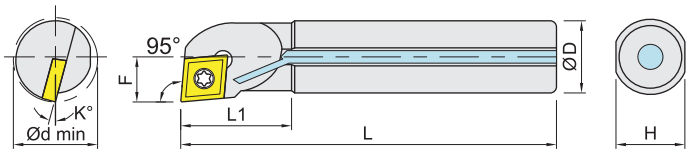
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S20R-MWLNR/L-08	**A20R-MWLNR/L-08**	20	200	40	13	18	15	25	WN..0804..	①	0.49
S25R-MWLNR/L-08	**A25R-MWLNR/L-08**	25	200	40	15	23	13	30			0.77
S32S-MWLNR/L-08	**A32S-MWLNR/L-08**	32	250	48	20	30	13	40	WN..0804..	②	1.58
S40T-MWLNR/L-08	**A40T-MWLNR/L-08**	40	300	55	25.5	37	10	50	WN..0804..	③	2.96
S50U-MWLNR/L-08		50	350	60	30.5	47	9	60			5.40
S50V-MWLNR/L-08	**A50V-MWLNR/L-08**	50	400	60	30.5	47	9	60			6.17
S60V-MWLNR/L-08	**A60V-MWLNR/L-08**	60	400	60	35.5	57	8	70			8.88

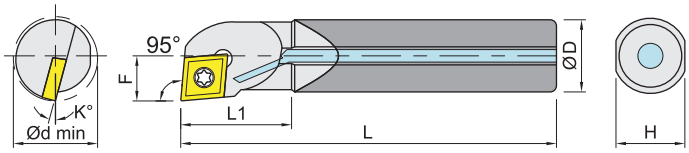
Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
WN..0804..	①	--	MLP44-A	PL25	MC515	MS520TX	ETL10
WN..0804..	②	WMS432	MLP46-A	PL25	MC515	MS520TX	ETL10
WN..0804..	③	WMS432	MLP46-A	PL25	MC620	MS625TX	ETL15

SCLC





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S08K-SCLCR/L-06	A08K-SCLCR/L-06	8	125	20	5	7	15	10	CC..0602..	③	0.07
S08K-SCLCR/L-06-D09	A08K-SCLCR/L-06-D09	8	125	20	4.5	7	15	9			0.07
S10K-SCLCR/L-06	A10K-SCLCR/L-06	10	125	22	6	9	13	12			0.09
S10K-SCLCR/L-06-D11	A10K-SCLCR/L-06-D11	10	125	22	5.5	9	13	11			0.09
S12M-SCLCR/L-06	A12M-SCLCR/L-06	12	150	26	8	11	10	16			0.13
S12M-SCLCR/L-06-D13	A12M-SCLCR/L-06-D13	12	150	26	6.5	11	10	13			0.13
S14Q-SCLCR/L-06	A14Q-SCLCR/L-06	14	180	26	8	13	10	16			0.22
S16Q-SCLCR/L-06	A16Q-SCLCR/L-06	16	180	32	10	15	7	20			0.28
S12M-SCLCR/L-09	A12M-SCLCR/L-09	12	150	26	8	11	10	16	CC..09T3..	④	0.13
S14Q-SCLCR/L-09	A14Q-SCLCR/L-09	14	180	26	8	13	10	16			0.22
S15Q-SCLCR/L-09	A15Q-SCLCR/L-09	15	180	32	8.5	14	10	17			0.25
S16Q-SCLCR/L-09	A16Q-SCLCR/L-09	16	180	32	10	15	7	20			0.28
S16Q-SCLCR/L-09-D18	A16Q-SCLCR/L-09-D18	16	180	32	9	15	7	18			0.28
S18Q-SCLCR/L-09	A18Q-SCLCR/L-09	18	180	32	10	17	7	20			0.36
S20R-SCLCR/L-09	A20R-SCLCR/L-09	20	200	40	13	18	5	25		⑤	0.49
S22R-SCLCR -09		22	200	40	13	20	5	25			0.60
S25R-SCLCR/L-09	A25R-SCLCR/L-09	25	200	40	15	23	5	30		⑥	0.77
S32S-SCLCR/L-09	A32S-SCLCR/L-09	32	250	48	19.5	30	5	38			1.58
S32S-SCLCR/L-12	A32S-SCLCR/L-12	32	250	48	20	30	5	38	CC..1204..	⑦	1.58
S40T-SCLCR/L-12	A40T-SCLCR/L-12	40	300	55	26	37	3	50			2.96
S40V-SCLCR/L-12	A40V-SCLCR/L-12	40	400	55	26	37	3	50			3.95

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C04H-SCLCR/L-03M	--	4	100	15	2.5	3.7	15	5	CC..03S1..	①	0.02
C05H-SCLCR/L-03M	--	5	100	15	3	4.7	15	6			0.03
C06J-SCLCR/L-04K	--	6	110	15	3.5	5.7	15	7	CC..0401..	②	0.05
C07J-SCLCR/L-06	--	7	110	18	4	6.7	15	8	CC..0602..	③	0.06
C08K-SCLCR/L-06	E08K-SCLCR/L-06	8	125	20	5	7.2	15	10			0.09
C08K-SCLCR/L-06-D09	E08K-SCLCR/L-06-D09	8	125	20	4.5	7.2	15	9			0.09
	E08M-SCLCR/L-06	8	150	20	5	7.2	15	10			0.11
C10K-SCLCR/L-06	E10K-SCLCR/L-06	10	125	22	6	9.2	13	12			0.14
C10K-SCLCR/L-06-D11	E10K-SCLCR-06-D11	10	125	22	5.5	9.2	13	11			0.14
C10M-SCLCR/L-06	E10M-SCLCR/L-06	10	150	22	6	9.2	13	12			0.17
C10M-SCLCR-06-D11	E10M-SCLCR-06-D11	10	150	22	5.5	9.2	13	11			0.17
C12M-SCLCR/L-06	E12M-SCLCR-06	12	150	26	8	11.2	10	16			0.24
C12M-SCLCR/L-06-D13	E12M-SCLCR-06-D13	12	150	26	6.5	11.2	10	13			0.24
C12Q-SCLCR/L-06	E12Q-SCLCR-06	12	180	26	8	11.2	10	16			0.29
C12Q-SCLCR-06-D13	E12Q-SCLCR-06-D13	12	180	26	6.5	11.2	10	13			0.29
C14R-SCLCR-06		14	200	26	8	13.2	10	16			0.44
C16R-SCLCR/L-06	E16R-SCLCR-06	16	200	32	10	15.2	7	20			0.58
C12M-SCLCR/L-09	E12M-SCLCR-09	12	150	26	8	11.2	10	16	CC..09T3..	④	0.24
C12Q-SCLCR/L-09		12	180	26	8	11.2	10	16			0.29
C14R-SCLCR-09		14	200	26	8	13.2	10	16			0.44
C16R-SCLCR/L-09	E16R-SCLCR/L-09	16	200	32	10	15.2	7	20			0.58
C16R-SCLCR-09-D18	E16R-SCLCR-09-D18	16	200	32	9	15.2	7	18			0.58
C20R-SCLCR/L-09	E20R-SCLCR-09	20	200	40	13	19.2	5	25	CC..09T3..	⑤	0.91
C25S-SCLCR/L-09	E25S-SCLCR-09	25	250	40	15	24.2	5	30	CC..09T3..	⑥	1.77

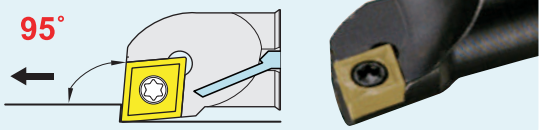
※鎢鋼柄Ø7以下刀桿僅一面側固(Carbide shank below Ø7 is one weldon flat only)。

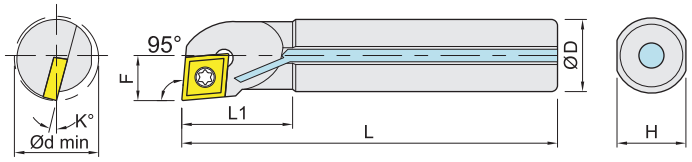
Insert	Spare parts	Screw	Wrench
CC..03S1..	①	MS1603B	ETF06
CC..0401..	②	MS2004A	ETF06
CC..0602..	③	MS2506A	ETF09
CC..09T3..	④	MS4008A	ETF15
CC..09T3..	⑤	MS4009A	ETF15
CC..09T3..	⑥	MS4011A	ETF15
CC..1204..	⑦	MS5011A	ETF20

C10K-SCLCR-06

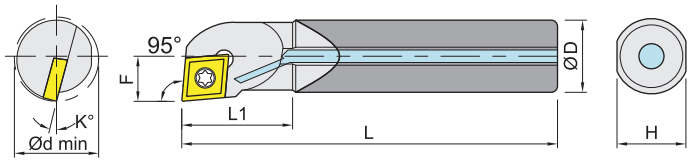
S=鋼柄(Steel shank)
A=鋼柄＋出水(Steel shank+coolant hole)
C=鎢鋼柄(Cemented carbide shank with steel head)
E=鎢鋼柄＋出水(Cemented carbide shank with steel head+coolant hole)

SCLP





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S08K-SCLPR/L-06	A08K-SCLPR/L-06	8	125	20	5	7	10	10	CP..0602..	①	0.07
S10K-SCLPR/L-06	A10K-SCLPR/L-06	10	125	22	6	9	8	12			0.09
S12M-SCLPR/L-06	--	12	150	26	8	11	7	16			0.13
S10K-SCLPR/L-08	A10K-SCLPR/L-08	10	125	22	6	9	8	12	CP..0802..	②	0.09
S12M-SCLPR/L-08	A12M-SCLPR/L-08	12	150	26	8	11	7	16		③	0.13
S12M-SCLPR/L-08-D13	A12M-SCLPR/L-08-D13	12	150	26	6.5	11	7	13			0.13
S12M-SCLPR/L-09	A12M-SCLPR/L-09	12	150	26	8	11	7	16	CP..0903..	④	0.13
S16Q-SCLPR/L-09	A16Q-SCLPR/L-09	16	180	32	10	15	7	20			0.28
S16Q-SCLPR-09-D18	A16Q-SCLPR-09-D18	16	180	32	9	15	7	18			0.28
S20R-SCLPR/L-09	A20R-SCLPR/L-09	20	200	40	13	18	4	25		⑤	0.49
S25R-SCLPR/L-09	A25R-SCLPR/L-09	25	200	40	15	23	0	30			0.77

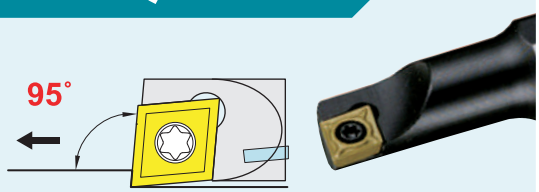
Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C10K-SCLPR-08		10	125	22	6	9.2	8	12	CP..0802..	②	0.14
C10M-SCLPR/L-08		10	150	22	6	9.2	8	12			0.17
C12M-SCLPR-08		12	150	26	8	11.2	7	16		③	0.24
C12Q-SCLPL-08		12	180	26	8	11.2	7	16			0.29
C12M-SCLPR-09	**E12M-SCLPR-09**	12	150	26	8	11.2	7	16	CP..0903..	④	0.24
C12Q-SCLPR-09	**E12Q-SCLPR-09**	12	180	26	8	11.2	7	16			0.29
C16R-SCLPR/L-09	**E16R-SCLPR/L-09**	16	200	32	10	15.2	7	20			0.58
C16R-SCLPR-09-D18	**E16R-SCLPR-09-D18**	16	200	32	9	15.2	7	18			0.58
C20R-SCLPR-09	**E20R-SCLPR-09**	20	200	40	13	19.2	4	25		⑤	0.91
C25S-SCLPR/L-09		25	250	40	15	24.2	0	30			1.77

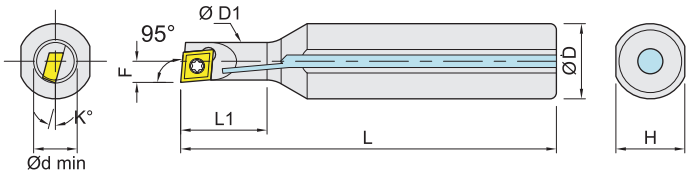
Insert	Spare parts	Screw	Wrench
CP..0602..	①	MS2506A	ETF09
CP..0802..	②	MS3006A	ETF09
CP..0802..	③	MS3008A	ETF09
CP..0903..	④	MS4008B	ETF15
CP..0903..	⑤	MS4009B	ETF15

E16R-SCLPR-09

S=鋼柄(Steel shank)
A=鋼柄＋出水(Steel shank+coolant hole)
C=鎢鋼柄(Cemented carbide shank with steel head)
E=鎢鋼柄＋出水(Cemented carbide shank with steel head+coolant hole)

SCLC/P



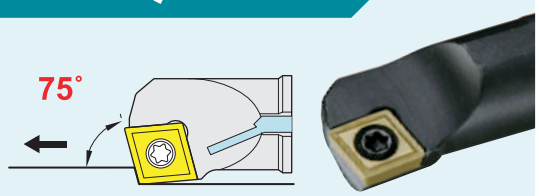


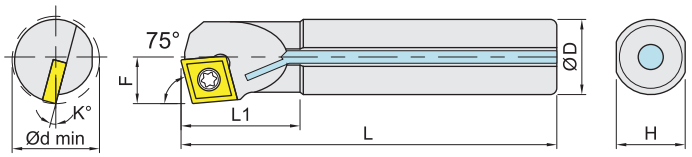
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm								Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	D1	L	L1	F	H	K°	dmin			
S1004K-SCLCR/L-03M-L12	**A1004K-SCLCR/L-03M-L12**	10	4	125	12	2.5	9	15	5	CC..03S1..	①	0.08
S1005K-SCLCR/L-03M-L15	**A1005K-SCLCR/L-03M-L15**	10	5	125	15	3	9	15	6			0.08
S1204H-SCLCR/L-03E-L08	**A1204H-SCLCR/L-03E-L08**	12	4	100	8	2.5	11	15	5	CC..0301..	②	0.09
S1204H-SCLCR/L-03E-L12	**A1204H-SCLCR/L-03E-L12**	12	4	100	12	2.5	11	15	5			0.09
S1206K-SCLCR/L-04K-L14	**A1206K-SCLCR/L-04K-L14**	12	6	125	14	3.5	11	13	7	CC..0401..	③	0.11
S1607K-SCLCR/L-06-L20	**A1607K-SCLCR/L-06-L20**	16	7	125	20	4	15	13	8	CC..0602..	④	0.20
S1608K-SCLCR/L-06-L20	**A1608K-SCLCR/L-06-L20**	16	8	125	20	4.5	15	11	9			0.20
S1608K-SCLCR/L-06-L25	**A1608K-SCLCR/L-06-L25**	16	8	125	25	4.5	15	11	9			0.20
S1609K-SCLCR/L-06-L25	**A1609K-SCLCR/L-06-L25**	16	9	125	25	5	15	11	10			0.20
S1612M-SCLPR/L-08-L30	**A1612M-SCLPR/L-08-L30**	16	12	150	30	7	15	7	14	CP..0802..	⑤	0.24
S2014M-SCLPR/L-08-L30		20	14	150	30	7.5	18	7	15			0.37
S2016Q-SCLPR-09		20	16	180	20	10.5	18	7	21	CP..0903..	⑥	0.44

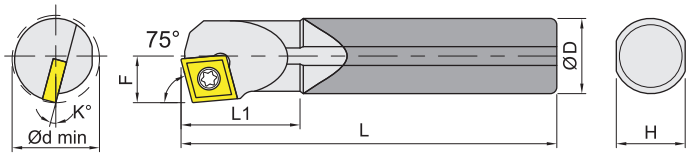
Insert	Spare parts	Screw	Wrench
CC..03S1..	①	MS1603B	ETF06
CC..0301..	②	MS1603B	ETF06
CC..0401..	③	MS2004A	ETF06
CC..0602..	④	MS2506A	ETF09
CP..0802..	⑤	MS3008A	ETF09
CP..0903..	⑥	MS4008B	ETF15

SCKC/P





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



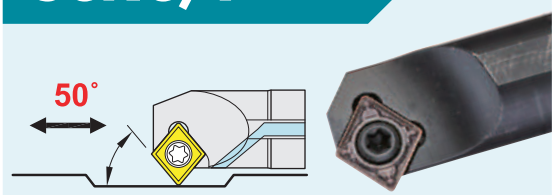
Carbide shank (Right-hand shown)
鎢鋼柄 右向示意圖

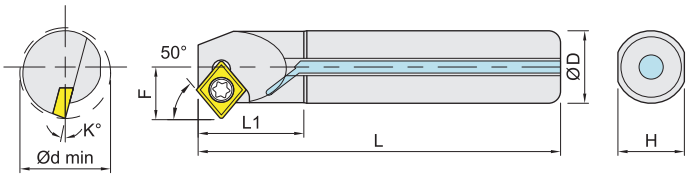
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S08K-SCKCR/L-06	**A08K-SCKCR/L-06**	8	125	20	5	7	15	10	CC..0602..	①	0.07
S10K-SCKCR/L-06	**A10K-SCKCR/L-06**	10	125	22	6	9	13	12			0.09
S12M-SCKCR/L-06	**A12M-SCKCR/L-06**	12	150	26	8	11	10	16			0.13
S16Q-SCKCR/L-06	**A16Q-SCKCR/L-06**	16	180	32	10	15	7	20			0.28
S12M-SCKCR/L-09	**A12M-SCKCR/L-09**	12	150	28	8	11	11	16	CC..09T3..	②	0.13
S16Q-SCKCR/L-09	**A16Q-SCKCR/L-09**	16	180	32	10	15	7	20			0.28
S20R-SCKCR/L-09	**A20R-SCKCR/L-09**	20	200	40	12.5	18	5	25		③	0.49
S16Q-SCKPR/L-09	**A16Q-SCKPR/L-09**	16	180	32	10	15	7	20	CP..0903..	④	0.28

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K	dmin			
C08K-SCKCR-06		8	125	20	5	7.2	15	10	CC..0602..	①	0.09
C12Q-SCKCR-06		12	180	26	8	11.2	10	16			0.29

Insert	Spare parts	Screw	Wrench
CC..0602..	①	MS2506A	ETF09
CC..09T3..	②	MS4008A	ETF15
CC..09T3..	③	MS4009A	ETF15
CP..0903..	④	MS4008B	ETF15

SCNC/P



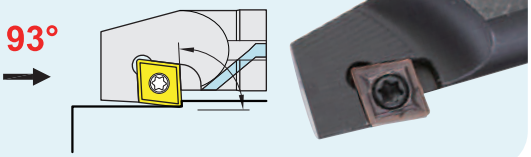


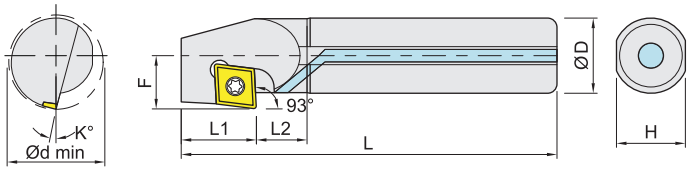
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S12M-SCNCR-06	**A12M-SCNCR-06**	12	150	26	8.5	11	7	16	CC..0602..	①	0.13
S16Q-SCNPR-09	**A16Q-SCNPR-09**	16	180	30	10.5	15	7	20	CP..0903..	②	0.28

Insert	Spare parts	Screw	Wrench
CC..0602..	①	MS2506A	ETF09
CP..0903..	②	MS4008B	ETF15

SCZC



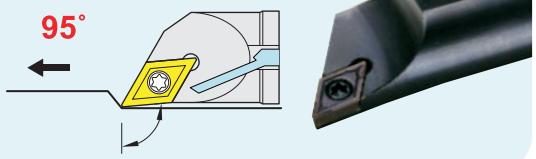


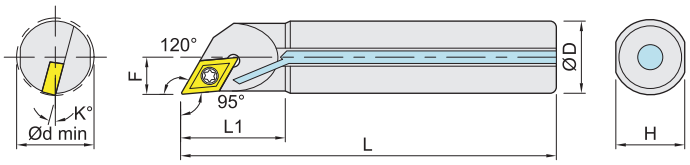
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm								Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	L2	F	H	K°	dmin			
S08K-SCZCR/L-06	**A08K-SCZCR/L-06**	8	125	12	18	6	7	15	11	CC..0602..	①	0.07
S10K-SCZCR/L-06	**A10K-SCZCR/L-06**	10	125	12	18	7.5	9	13	14			0.09
S12M-SCZCR/L-06	**A12M-SCZCR/L-06**	12	150	12	20	8.5	11	10	16			0.13
S16Q-SCZCR/L-09	**A16Q-SCZCR/L-09**	16	180	18	22	11.5	15	7	21	CC..09T3..	②	0.28
S20R-SCZCR/L-09	**A20R-SCZCR/L-09**	20	200	18	22	13.5	18	7	25			0.49
S25R-SCZCR/L-09	**A25R-SCZCR/L-09**	25	200	18	22	16	23	7	30		③	0.77
S40T-SCZCR-12		40	300	22	38	25.5	37	3	50	CC..1204..	④	2.96

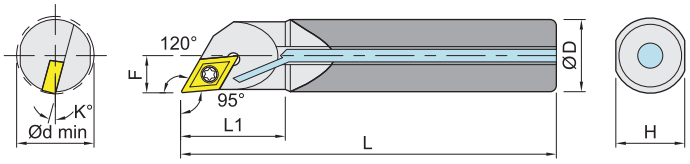
Insert	Spare parts	Screw	Wrench
CC..0602..	①	MS2506A	ETF09
CC..09T3..	②	MS4009A	ETF15
CC..09T3..	③	MS4011A	ETF15
CC..1204..	④	MS5011A	ETF20

SDJC





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



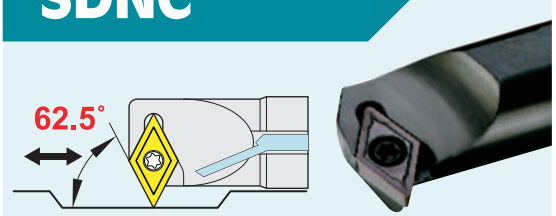
Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

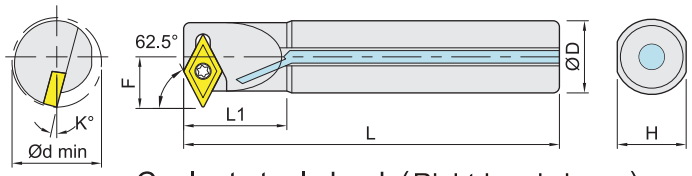
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S08K-SDJCR/L-07	**A08K-SDJCR/L-07**	8	125	22	5	7	15	10	DC..0702..	①	0.07
S10K-SDJCR/L-07	**A10K-SDJCR/L-07**	10	125	25	6	9	13	12			0.09
S12M-SDJCR/L-07	**A12M-SDJCR/L-07**	12	150	30	7	11	10	14			0.13
S16Q-SDJCR/L-07	**A16Q-SDJCR/L-07**	16	180	38	9.5	15	7	19			0.28
S1608K-SDJCR/L-07-L20		16	125	20	4.5	15	15	10			0.20
S16Q-SDJCR/L-11	**A16Q-SDJCR/L-11**	16	180	38	9.5	15	7	19	DC..11T3..	②	0.28
S20R-SDJCR/L-11	**A20R-SDJCR/L-11**	20	200	42	11.5	18	7	23			0.49
S25R-SDJCR/L-11	**A25R-SDJCR/L-11**	25	200	45	14	23	5	28			0.77
S25S-SDJCR/L-11	**A25S-SDJCR/L-11**	25	250	45	14	23	5	28			0.96
S32S-SDJCR/L-11	**A32S-SDJCR/L-11**	32	250	48	17.5	30	5	35			1.58

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C08K-SDJCR/L-07	**E08K-SDJCR-07**	8	125	22	5	7.2	15	10	DC..0702..	①	0.09
C10K-SDJCR/L-07	**E10K-SDJCR-07**	10	125	25	6	9.2	13	12			0.14
C10M-SDJCR/L-07	**E10M-SDJCR-07**	10	150	25	6	9.2	13	12			0.17
C12M-SDJCR/L-07	**E12M-SDJCR-07**	12	150	30	7	11.2	10	14			0.24
C12Q-SDJCR/L-07	**E12Q-SDJCR-07**	12	180	30	7	11.2	10	14			0.29
C16R-SDJCR/L-07	**E16R-SDJCR/L-07**	16	200	38	9.5	15.2	7	19			0.58
C16R-SDJCR-11		16	200	38	9.5	15.2	7	19	DC..11T3..	②	0.58
C20R-SDJCR-11		20	200	42	11.5	19.2	7	23			0.90
C25S-SDJCR-11		25	250	45	14	24.2	5	28			1.77

Insert	Spare parts	Screw	Wrench
DC..0702..	①	MS2506B	ETF09
DC..11T3..	②	MS4009A	ETF15

SDNC

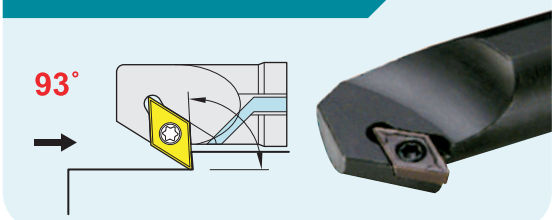


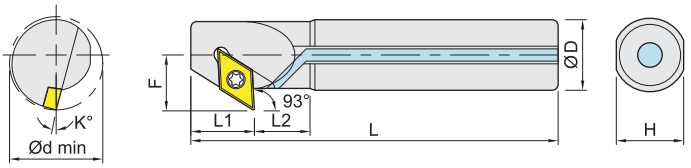


Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

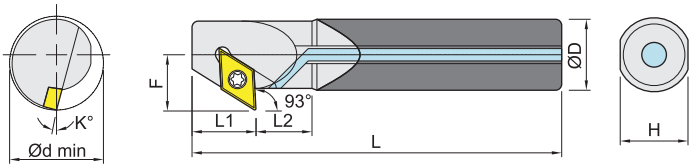
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S12M-SDNCR/L-07	A12M-SDNCR/L-07	12	150	25	9	11	7	16	DC..0702..	①	0.13
S16Q-SDNCR/L-07	A16Q-SDNCR/L-07	16	180	30	11	15	7	20			0.28
S20R-SDNCR/L-11	A20R-SDNCR/L-11	20	200	35	15	18	7	25	DC..11T3..	③	0.49
S25R-SDNCR/L-11	A25R-SDNCR/L-11	25	200	35	17	23	5	32			0.77
S32S-SDNCR/L-11	A32S-SDNCR/L-11	32	250	40	20.5	30	5	40			1.58

SDZC





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

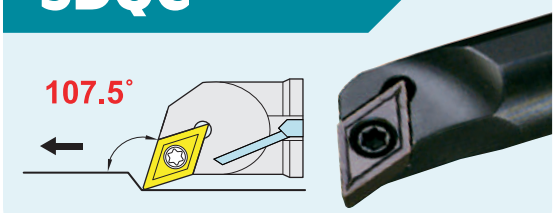


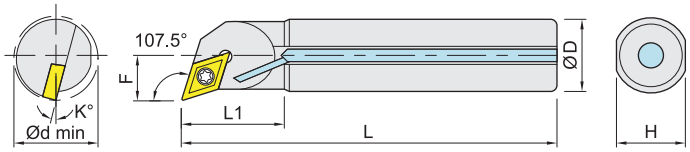
Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm								Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	L2	F	H	K°	dmin			
S10M-SDZCR/L-07	A10M-SDZCR/L-07	10	150	12	18	8.5	9	13	14	DC..0702..	①	0.09
S12M-SDZCR/L-07	A12M-SDZCR/L-07	12	150	12	20	10.5	11	10	17			0.13
S16Q-SDZCR/L-07	A16Q-SDZCR/L-07	16	180	12	26	12.5	15	7	21			0.28
S16Q-SDZCR/L-11	A16Q-SDZCR/L-11	16	180	18	20	13.5	15	7	22	DC..11T3..	②	0.28
S20R-SDZCR/L-11	A20R-SDZCR/L-11	20	200	18	27	15.5	18	7	26		③	0.49
S25R-SDZCR/L-11	A25R-SDZCR/L-11	25	200	18	32	18	23	5	33			0.77
S32S-SDZCR/L-11	A32S-SDZCR/L-11	32	250	18	42	21.5	30	5	40			1.58

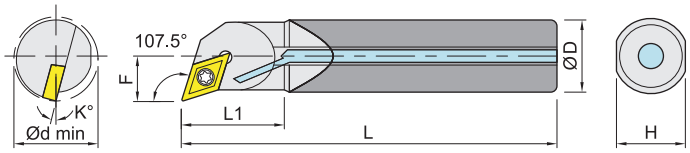
Carbide shank Item code		Dimensions,mm								Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	L2	F	H	K°	dmin			
C10M-SDZCR-07	E10M-SDZCR-07	10	150	12	18	8.5	9.2	13	14	DC..0702..	①	0.17
	E12M-SDZCR-07	12	150	12	20	10.5	11.2	10	17			0.25
C12Q-SDZCR-07		12	180	12	20	10.5	11.2	10	17			0.29
C16R-SDZCR-07	E16R-SDZCR-07	16	200	12	26	12.5	15.2	7	21			0.58
C20R-SDZCR-11		20	200	18	27	15.5	18	7	26	DC..11T3..	③	0.90

SDQC





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



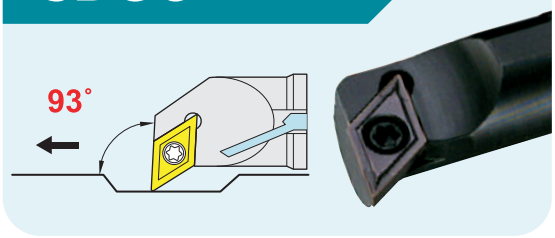
Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

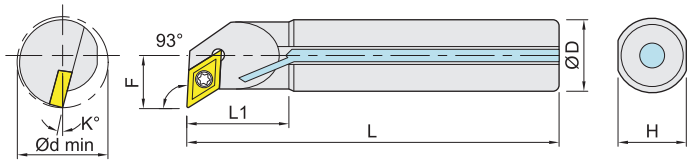
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S10K-SDQCR/L-07	**A10K-SDQCR/L-07**	10	125	22	6.5	9	13	13	DC..0702..	①	0.08
S12M-SDQCR/L-07	**A12M-SDQCR/L-07**	12	150	30	8	11	10	16			0.13
S16Q-SDQCR/L-07	**A16Q-SDQCR/L-07**	16	180	35	10.25	15	7	20			0.28
S20R-SDQCR/L-07	**A20R-SDQCR/L-07**	20	200	40	12.5	18	7	25			0.49
S16Q-SDQCR/L-11	**A16Q-SDQCR/L-11**	16	180	35	10.5	15	7	20	DC..11T3..	②	0.28
S20R-SDQCR/L-11	**A20R-SDQCR/L-11**	20	200	40	13	18	7	25			0.49
S25R-SDQCR/L-11	**A25R-SDQCR/L-11**	25	200	45	15.5	23	5	32			0.77
S32S-SDQCR/L-11	**A32S-SDQCR/L-11**	32	250	48	19.5	30	5	40			1.58
S40T-SDQCR/L-11	**A40T-SDQCR/L-11**	40	300	55	25	37	3	50			2.96
S50U-SDQCR/L-11	**A50U-SDQCR/L-11**	50	350	60	30	47	2	60			5.40

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C10K-SDQCR/L-07	**E10K-SDQCR-07**	10	125	22	6	9.2	13	13	DC..0702..	①	0.14
C10M-SDQCR/L-07	**E10M-SDQCR-07**	10	150	22	6	9.2	13	13			0.17
C12M-SDQCR/L-07	**E12M-SDQCR/L-07**	12	150	30	8	11.2	10	16			0.24
C12Q-SDQCR/L-07	**E12Q-SDQCR/L-07**	12	180	30	8	11.2	10	16			0.29
C16R-SDQCR/L-07	**E16R-SDQCR/L-07**	16	200	35	10.25	15.2	7	20			0.58
C20R-SDQCR-07		20	200	40	12.5	19.2	7	25			0.90
C16R-SDQCR/L-11	**E16R-SDQCR/L-11**	16	200	35	10.5	15.2	7	20	DC..11T3..	②	0.58
C20R-SDQCR-11		20	200	40	13	19.2	7	25			0.90
C25S-SDQCR-11		25	250	45	15.5	24.2	5	32			1.77

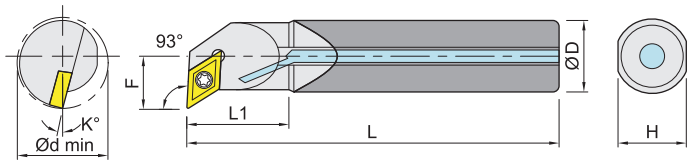
Insert	Spare parts	Screw	Wrench
DC..0702..	①	MS2506B	ETF09
DC..11T3..	②	MS4009A	ETF15
DC..11T3..	③	MS4011A	ETF15

SDUC





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



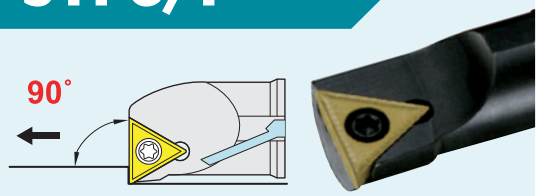
Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

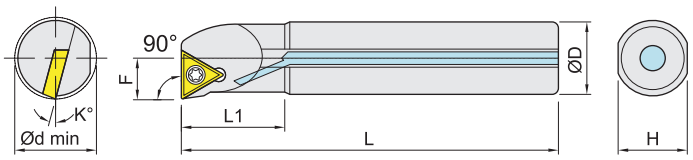
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S10K-SDUCR/L-07	**A10K-SDUCR/L-07**	10	125	25	7	9	13	13	DC..0702..	①	0.08
S12M-SDUCR/L-07	**A12M-SDUCR/L-07**	12	150	30	8.5	11	10	16			0.13
S16Q-SDUCR/L-07	**A16Q-SDUCR/L-07**	16	180	30	11	15	7	20			0.28
S20R-SDUCR/L-07	**A20R-SDUCR/L-07**	20	200	40	12.5	18	7	25			0.49
S16Q-SDUCR/L-11	**A16Q-SDUCR/L-11**	16	180	30	11	15	7	20	DC..11T3..	②	0.28
S20R-SDUCR/L-11	**A20R-SDUCR/L-11**	20	200	40	13	18	7	25			0.49
S25R-SDUCR/L-11	**A25R-SDUCR/L-11**	25	200	45	16	23	5	32			0.77
S25S-SDUCR/L-11	**A25S-SDUCR/L-11**	25	250	45	16	23	5	32			0.96
S32S-SDUCR/L-11	**A32S-SDUCR/L-11**	32	250	48	20	30	5	40			1.58
S40T-SDUCR/L-11	**A40T-SDUCR/L-11**	40	300	55	26	37	3	50			2.96
S50V-SDUCR/L-11		50	400	60	31	47	3	60			6.16

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C10K-SDUCR/L-07	**E10K-SDUCR/L-07**	10	125	25	7	9.2	13	13	DC..0702..	①	0.14
C10M-SDUCR-07	**E10M-SDUCR-07**	10	150	25	7	9.2	13	13			0.17
C12M-SDUCR/L-07	**E12M-SDUCR/L-07**	12	150	30	8.5	11.2	10	16			0.24
C12Q-SDUCR/L-07	**E12Q-SDUCR/L-07**	12	180	30	8.5	11.2	10	16			0.29
C16R-SDUCR-07	**E16R-SDUCR-07**	16	200	30	11	15.2	7	20			0.58
C16R-SDUCR/L-11	**E16R-SDUCR/L-11**	16	200	30	11	15.2	7	20	DC..11T3..	②	0.58
C20R-SDUCR/L-11	**E20R-SDUCR/L-11**	20	200	40	13	19.2	7	25			0.91
C25S-SDUCR-11	**E25S-SDUCR-11**	25	250	45	16	24.2	5	32			1.77

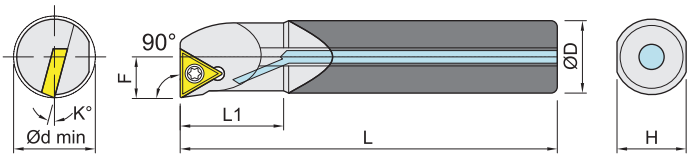
Insert	Spare parts	Screw	Wrench
DC..0702..	①	MS2506B	ETF09
DC..11T3..	②	MS4009A	ETF15

STFC/P





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

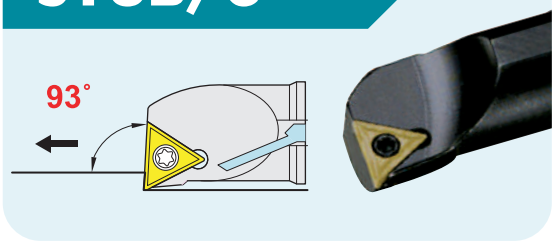
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S06H-STFCR/L-06	**–**	6	100	15	3.5	5	15	7	TC..0601..	①	0.02
S08K-STFCR/L-06-D09	**A08K-STFCR-06-D09**	8	125	20	4.5	7	15	9			0.07
S08K-STFCR/L-09	**A08K-STFCR/L-09**	8	125	20	5.5	7	15	10	TC..0902..	②	0.07
S10K-STFCR/L-09	**A10K-STFCR/L-09**	10	125	22	6.25	9	13	12		③	0.09
S10K-STFCR/L-09-D11	**A10K-STFCR/L-09-D11**	10	125	22	5.5	9	13	11			0.09
S10K-STFCR/L-11	**A10K-STFCR/L-11**	10	125	22	6.25	9	13	12	TC..1102..	④	0.09
S12M-STFCR/L-11	**A12M-STFCR/L-11**	12	150	26	8.25	11	10	16			0.13
S12M-STFCR/L-11-D13	**A12M-STFCR/L-11-D13**	12	150	26	6.5	11	10	13			0.13
S16Q-STFCR/L-11	**A16Q-STFCR/L-11**	16	180	32	10	15	7	20			0.28
S16Q-STFCR/L-16	**A16Q-STFCR/L-16**	16	180	32	10	15	7	20	TC..16T3..	⑤	0.28
S20R-STFCR/L-16	**A20R-STFCR/L-16**	20	200	36	13	18	5	25			0.49
S25R-STFCR/L-16	**A25R-STFCR/L-16**	25	200	40	15	23	5	30			0.77
S25S-STFCR/L-16	**A25S-STFCR/L-16**	25	250	40	15	23	5	30			0.96
S32S-STFCR/L-16	**A32S-STFCR/L-16**	32	250	48	20	30	5	38			1.58
S32T-STFCR/L-16	**A32T-STFCR/L-16**	32	300	48	20	30	5	38			1.89
S16Q-STFPR-1603		16	180	32	10	15	7	20	TP..1603..	⑥	0.28

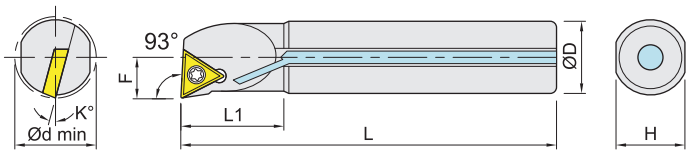
Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C06J-STFCR/L-06	**–**	6	110	15	3.5	5.7	15	7	TC..0601..	①	0.08
C08K-STFCR/L-09	**E08K-STFCR -09**	8	125	20	5.5	7.2	15	10	TC..0902..	②	0.11
C10K-STFCR/L-11		10	125	22	6.25	9.2	13	12	TC..1102..	④	0.14
C12M-STFCR/L-11		12	150	26	8.25	11.2	10	16			0.24
C12M-STFCR/L-11-D13	**E12M-STFCR -11-D13**	12	150	26	6.5	11.2	10	13			0.24

※鎢鋼柄Ø7以下刀桿僅一面側固(Carbide shank below Ø7 is one weldon flat only)。

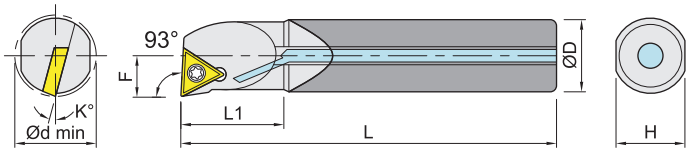
Insert	Spare parts	Screw	Wrench
TC..0601..	①	MS2004A	ETF06
TC..0902..	②	MS2205A	ETF07
TC..0902..	③	MS2206A	ETF07
TC..1102..	④	MS2506A	ETF09
TC..16T3..	⑤	MS4011A	ETF15
TP..1603..	⑥	MS4009A	ETF15

STUB/C





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S06H-STUBR/L-06	--	6	100	15	3.5	5	15	7	TB..0601..	①	0.02
S08K-STUBR/L-06-D09	A08K-STUBR/L-06-D09	8	125	20	4.5	7	15	9			0.07
S08K-STUCR/L-09	A08K-STUCR/L-09	8	125	20	5.5	7	15	10	TC..0902..	②	0.07
S10K-STUCR/L-09	A10K-STUCR/L-09	10	125	22	6	9	13	12		③	0.09
S10K-STUCR/L-09-D11	A10K-STUCR/L-09-D11	10	125	22	5.5	9	13	11			0.09
S12M-STUCR-09	A12M-STUCR-09	12	150	26	8	11	10	16			0.13
S14M-STUCR-09	A14M-STUCR-09	14	150	26	8	13	10	16			0.18
S10K-STUCR/L-11	A10K-STUCR/L-11	10	125	22	6	9	13	12	TC..1102..	④	0.09
S12M-STUCR/L-11	A12M-STUCR/L-11	12	150	26	8	11	10	16			0.13
S12M-STUCR/L-11-D13	A12M-STUCR/L-11-D13	12	150	26	6.5	11	10	13			0.13
S16Q-STUCR/L-11	A16Q-STUCR/L-11	16	180	32	10	15	7	20			0.28
S16Q-STUCR/L-11-D18	A16Q-STUCR/L-11-D18	16	180	32	9	15	7	18			0.28
S20R-STUCR/L-11	A20R-STUCR/L-11	20	200	40	13	18	5	25			0.49
S20R-STUCR/L-16	A20R-STUCR/L-16	20	200	40	13	18	7	25	TC..16T3..	⑤	0.49
S25R-STUCR/L-16	A25R-STUCR/L-16	25	200	40	15	23	5	30			0.77
S32S-STUCR/L-16	A32S-STUCR/L-16	32	250	48	20	30	5	38			1.58
S32T-STUCR/L-16	A32T-STUCR/L-16	32	300	48	20	30	5	38			1.89

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C06J-STUBR/L-06	–	6	110	15	3.5	5.7	15	7	TB..0601..	①	0.05
C07J-STUBR-06	–	7	110	18	4	6.7	15	8			0.06
C08K-STUBR/L-06-D09	E08K-STUBR/L-06-D09	8	125	20	4.5	7.2	15	9			0.09
C08K-STUCR/L-09		8	125	20	5.5	7.2	15	10	TC..0902..	②	0.09
C10K-STUCR-09	E10K-STUCR/L-09	10	125	22	6	9.2	13	12		③	0.14
C10K-STUCR-09-D11		10	125	22	5.5	9.2	13	11			0.14
C10M-STUCR-09		10	150	22	6	9.2	13	12			0.17
C12M-STUCR-09		12	150	26	8	11.2	10	16			0.24
C12Q-STUCR-09		12	180	26	8	11.2	10	16			0.29
C14M-STUCR-09		14	150	26	8	13.2	10	16			0.33
C14R-STUCR-09		14	200	26	8	13.2	10	16			0.44
C10K-STUCR-11	E10K-STUCR-11	10	125	22	6	9.2	13	12	TC..1102..	④	0.14
C10M-STUCR-11	E10M-STUCR-11	10	150	22	6	9.2	13	12			0.17
C12M-STUCR/L-11	E12M-STUCR-11	12	150	26	8	11.2	10	16			0.24
C12M-STUCR-11-D13		12	150	26	6.5	11.2	10	13			0.24
C12Q-STUCR/L-11	E12Q-STUCR-11	12	180	26	8	11.2	10	16			0.29
C12Q-STUCR-11-D13		12	180	26	6.5	11.2	10	13			0.29
C16R-STUCR-11	E16R-STUCR-11	16	200	32	10	15.2	7	20			0.58
C16R-STUCR-11-D18		16	200	32	9	15.2	7	18			0.52
C20R-STUCR-11	E20R-STUCR-11	20	200	40	13	18	5	25			0.91

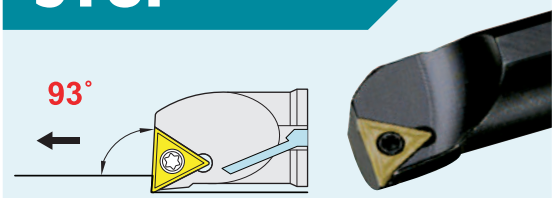
※鎢鋼柄Ø7以下刀桿僅一面側固(Carbide shank below Ø7 is one weldon flat only)。

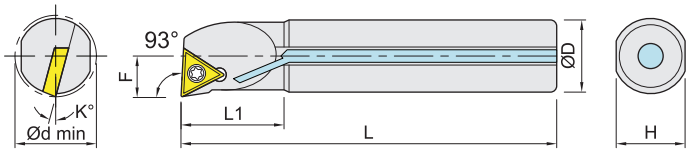
Insert	Spare parts	Screw	Wrench
TB..0601..	①	MS2004A	ETF06
TC..0902..	②	MS2205A	ETF07
TC..0902..	③	MS2206A	ETF07
TC..1102..	④	MS2506A	ETF09
TC..16T3..	⑤	MS4011A	ETF15

A10K-STUCR-11

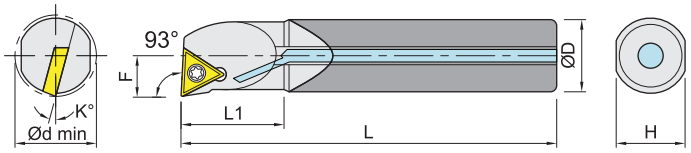
S=鋼柄(Steel shank)
A=鋼柄＋出水(Steel shank+coolant hole)
C=鎢鋼柄(Cemented carbide shank with steel head)
E=鎢鋼柄＋出水(Cemented carbide shank with steel head+coolant hole)

STUP





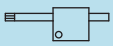
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



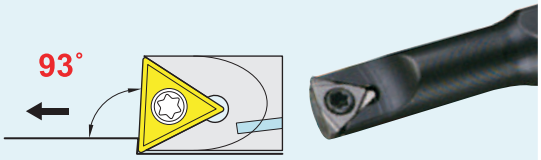
Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

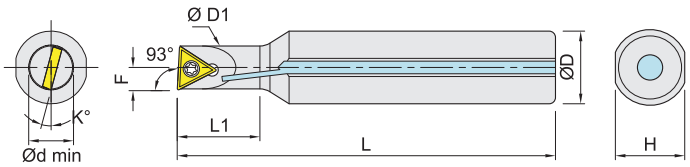
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S08K-STUPR/L-08	A08K-STUPR/L-08	8	125	20	5.5	7	10	10	TP..0802..	①	0.07
S08K-STUPR/L-08-D09	A08K-STUPR/L-08-D09	8	125	20	4.5	7	10	9			0.07
S10K-STUPR/L-08	A10K-STUPR/L-08	10	125	22	6	9	8	12		②	0.09
S10K-STUPR/L-08-D11	A10K-STUPR/L-08-D11	10	125	22	5.5	9	8	11			0.09
S12M-STUPR/L-08		12	150	26	8	11	8	16			0.13
S16Q-STUPR/L-08-D18		16	180	32	9	15	7	18			0.28
S08K-STUPR/L-09	A08K-STUPR/L-09	8	125	20	5.5	7	10	10	TP..0902..	③	0.07
S10K-STUPR/L-09	A10K-STUPR/L-09	10	125	22	6	9	8	12			0.09
S10K-STUPR/L-09-D11	A10K-STUPR/L-09-D11	10	125	22	5.5	9	8	11			0.09
S10K-STUPR/L-11	A10K-STUPR/L-11	10	125	22	6	9	8	12	TP..1103..	④	0.09
S12M-STUPR/L-11	A12M-STUPR/L-11	12	150	26	8	11	8	16			0.13
S12M-STUPR/L-11-D13	A12M-STUPR/L-11-D13	12	150	26	6.5	11	8	13			0.13
S14Q-STUPR/L-11	A14Q-STUPR/L-11	14	180	26	8	13	7	16			0.22
S15Q-STUPR/L-11	A15Q-STUPR/L-11	15	180	32	8.5	14	7	17			0.25
S16Q-STUPR/L-11	A16Q-STUPR/L-11	16	180	32	10	15	7	20			0.28
S16Q-STUPR/L-11-D18	A16Q-STUPR/L-11-D18	16	180	32	9	15	7	18			0.28
S18Q-STUPR/L-11	A18Q-STUPR/L-11	18	180	32	10	17	7	20			0.36
S20R-STUPR/L-11	A20R-STUPR/L-11	20	200	40	13	18	7	25			0.49
S22R-STUPR-11		22	200	40	13	20	5	25			0.60
S23R-STUPR-11		23	200	40	13	21	5	26			0.65
S25R-STUPR/L-11	A25R-STUPR/L-11	25	200	40	15	23	0	30			0.77
S20R-STUPR/L-1603	A20R-STUPR/L-1603	20	200	40	13	18	4	25	TP..1603..	⑤	0.49
S25R-STUPR/L-1603	A25R-STUPR/L-1603	25	200	40	16	23	0	30			0.77
S32S-STUPR/L-1603	A32S-STUPR/L-1603	32	250	48	20	30	0	38			1.58
S20R-STUPR/L-16T3	A20R-STUPR/L-16T3	20	200	40	13	18	4	25	TP..16T3..	⑥	0.49
S25R-STUPR/L-16T3	A25R-STUPR/L-16T3	25	200	40	16	23	0	30			0.77
S32S-STUPR/L-16T3		32	250	48	20	30	0	38			1.58
S20R-STUPR/L-1604	A20R-STUPR/L-1604	20	200	40	13	18	4	25	TP..1604..	⑦	0.49
S25R-STUPR/L-1604	A25R-STUPR/L-1604	25	200	40	16	23	0	30			0.77
S32S-STUPR/L-1604	A32S-STUPR/L-1604	32	250	48	20	30	0	38			1.58

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C08K-STUPR/L-08	E08K-STUPR-08	8	125	20	5.5	7.2	10	10	TP..0802..	①	0.09
C08K-STUPR-08-D09	E08K-STUPR-08-D09	8	125	20	4.5	7.2	10	9			0.09
C10K-STUPR-08	E10K-STUPR-08	10	125	22	6	9.2	8	12		②	0.14
C10K-STUPR-08-D11		10	125	22	5.5	9.2	8	11			0.14
C12M-STUPR-08		12	150	26	8	11.2	8	16			0.24
C08K-STUPR/L-09	E08K-STUPR-09	8	125	20	5.5	7.2	10	10	TP..0902..	③	0.09
C10K-STUPR/L-09	E10K-STUPR-09	10	125	22	6	9.2	8	12			0.14
C10M-STUPR-09	E10M-STUPR-09	10	150	22	6	9.2	8	12			0.17
C10M-STUPR-09-D11	E10M-STUPR-09-D11	10	150	22	5.5	9.2	8	11			0.17
C10K-STUPR/L-11	E10K-STUPR/L-11	10	125	22	6	9.2	8	12	TP..1103..	④	0.14
C10M-STUPR-11	E10M-STUPR-11	10	150	22	6	9.2	8	12			0.17
C12M-STUPR/L-11	E12M-STUPR-11	12	150	26	8	11.2	8	16			0.24
C12M-STUPR-11-D13	E12M-STUPR-11-D13	12	150	26	6.5	11.2	8	13			0.24
C12Q-STUPR-11	E12Q-STUPR-11	12	180	26	8	11.2	8	16			0.29
C12Q-STUPR-11-D13	E12Q-STUPR-11-D13	12	180	26	6.5	11.2	8	13			0.29
C14R-STUPR-11	E14R-STUPR-11	14	200	26	8	13.2	7	16			0.44
C16R-STUPR/L-11	E16R-STUPR-11	16	200	32	10	15.2	7	20			0.58
C16R-STUPR-11-D18	E16R-STUPR-11-D18	16	200	32	9	15.2	7	18			0.58
C20R-STUPR-11	E20R-STUPR-11	20	200	40	13	19.2	7	25			0.90
C25S-STUPR-11		25	250	40	15	24.2	0	30			1.77
C20R-STUPL-16T3		20	200	40	13	19.2	4	25	TP..16T3..	⑥	0.90
C20R-STUPR/L-1604		20	200	40	13	19.2	4	25	TP..1604..	⑦	0.90

Insert	Spare parts	Screw	Wrench 
TP..0802..	①	MS2205A	ETF07
TP..0802..	②	MS2206A	ETF07
TP..0902..	③	MS2506A	ETF09
TP..1103..	④	MS3008A	ETF09
TP..1603..	⑤	MS4011A	ETF15
TP..16T3..	⑥	MS4011A	ETF15
TP..1604..	⑦	MS4011A	ETF15

STUB/C



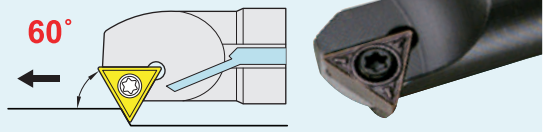


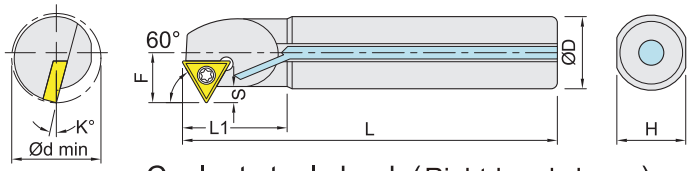
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm								Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	D1	L	L1	F	H	K°	dmin			
S0806K-STUBR/L-06-L10		8	6	125	10	3.5	7	12	7	TB..0601..	①	0.07
S0806K-STUBR/L-06-L20	A0806K-STUBR/L-06-L20	8	6	125	20	3.5	7	12	7			0.07
S0806K-STUBR/L-06-L35	A0806K-STUBR/L-06-L35	8	6	125	35	3.5	7	12	7			0.07
S0807K-STUBR/L-06-L20	A0807K-STUBR/L-06-L20	8	7	125	20	4	7	12	8			0.07
S1207K-STUBR/L-06-L20	A1207K-STUBR/L-06-L20	12	7	125	20	4	11	12	8			0.11
S1206K-STUCR-06-L14		12	6	125	14	3.5	11	12	7	TC..0601..	②	0.11
S1207K-STUCR-06-L20		12	7	125	20	4	11	12	8			0.11

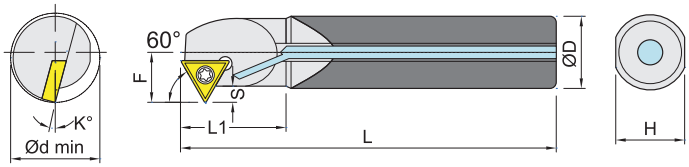
Insert	Spare parts	Screw	Wrench
TB..0601..	①	MS2004A	ETF06
TC..0601..	②	MS2004A	ETF06

STWB/C/P





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



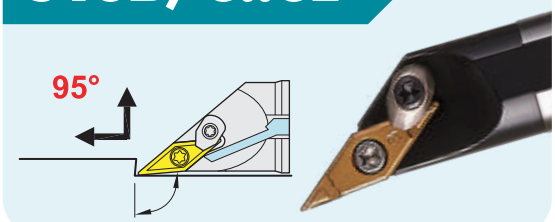
Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

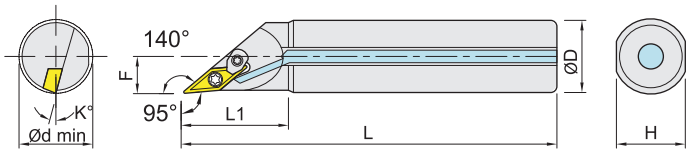
Steel shank Item code		Dimensions,mm								Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	S	H	K°	dmin			
S0806K-STWBR/L-06-L15	A0806K-STWBR-06-L15	8	125	15	4.5	1.5	7	15	9	TB..0601..	①	0.07
S08K-STWCR/L-09	A08K-STWCR/L-09	8	125	23	6	2	7	15	11	TC..0902..	②	0.07
S10K-STWCR/L-11	A10K-STWCR/L-11	10	125	23	7.5	2.5	9	15	13	TC..1102..	③	0.09
S12M-STWCR/L-11	A12M-STWCR/L-11	12	150	30	8.5	2.5	11	13	16			0.13
S14M-STWCR/L-11	A14M-STWCR/L-11	14	150	30	9.5	2.5	13	11	18			0.18
S16Q-STWCR/L-11	A16Q-STWCR/L-11	16	180	35	10.5	2.5	15	10	20			0.28
S20R-STWCR/L-11	A20R-STWCR/L-11	20	200	40	12.5	2.5	18	7	25			0.49
S20R-STWCR/L-16	A20R-STWCR/L-16	20	200	40	14.5	4.5	18	8	26	TC..16T3..	④	0.49
S25R-STWCR/L-16	A25R-STWCR/L-16	25	200	45	17	4.5	23	6	30			0.77
S32S-STWCR/L-16	A32S-STWCR/L-16	32	250	50	20.5	4.5	30	4	40			1.58
S08K-STWPR/L-08	A08K-STWPR/L-08	8	125	20	6	2	7	15	11	TP..0802..	⑤	0.07
S08K-STWPR/L-09	A08K-STWPR/L-09	8	125	23	6	2	7	15	11	TP..0902..	⑥	0.07
S10K-STWPR/L-09	A10K-STWPR/L-09	10	125	23	7.5	2.5	9	15	13			0.09
S10K-STWPR/L-11	A10K-STWPR/L-11	10	125	23	7.5	2.5	9	15	13	TP..1103..	⑦	0.09
S12M-STWPR/L-11	A12M-STWPR/L-11	12	150	30	8.5	2.5	11	13	16			0.13
S14M-STWPR/L-11		14	150	30	9.5	2.5	13	11	18			0.18
S16Q-STWPR/L-11	A16Q-STWPR/L-11	16	180	35	10.5	2.5	15	10	20			0.28
S20R-STWPR/L-11	A20R-STWPR/L-11	20	200	40	12.5	2.5	18	7	25			0.49
S20R-STWPR/L-1603	A20R-STWPR/L-1603	20	200	40	14.5	4.5	18	8	26	TP..1603..	⑧	0.49

Carbide shank Item code		Dimensions,mm								Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	S	H	K°	dmin			
C12M-STWCR-11		12	150	30	8.5	2.5	11.2	13	16	TC..1102..	③	0.24
C12Q-STWCR-11	E12Q-STWCR-11	12	180	30	8.5	2.5	11.2	13	16			0.29
C16R-STWCR-11		16	200	35	10.5	2.5	15.2	10	20			0.58
C08K-STWPR-09		8	125	23	6	2	7.2	15	11	TP..0902..	⑥	0.09
C12M-STWPR-11		12	150	30	8.5	2.5	11.2	13	16	TP..1103..	⑦	0.24

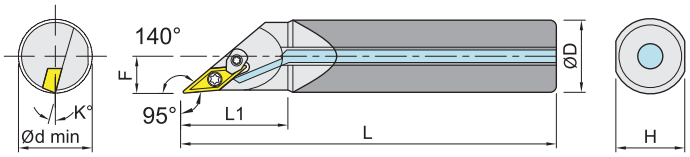
Insert	Spare parts	Screw	Wrench
TB..0601..	①	MS2004A	ETF06
TC..0902..	②	MS2205A	ETF07
TC..1102..	③	MS2506A	ETF09
TC..16T3..	④	MS4011A	ETF15
TP..0802..	⑤	MS2205A	ETF07
TP..0902..	⑥	MS2506A	ETF09
TP..1103..	⑦	MS3008A	ETF09
TP..1603..	⑧	MS4011A	ETF15

SVJB/C..CL





Coolant steel shank+clamp (Right-hand shown)
中心出水鋼柄+壓板 右向示意圖



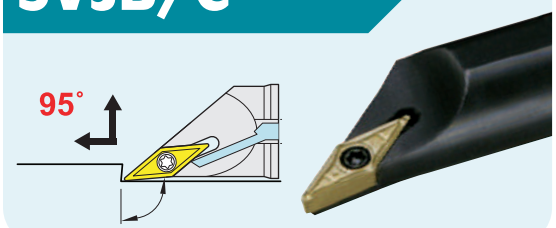
Coolant carbide shank+clamp (Right-hand shown)
中心出水鎢鋼柄+壓板 右向示意圖

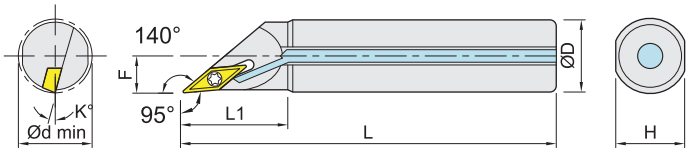
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S16Q-SVJBR/L-11CL	**A16Q-SVJBR/L-11CL**	16	180	38	9.5	15	7	19	VB..1103..	①	0.28
S20R-SVJBR/L-11CL	**A20R-SVJBR/L-11CL**	20	200	42	11.5	18	7	23			0.49
S20R-SVJBR/L-16CL	**A20R-SVJBR/L-16CL**	20	200	42	11.5	18	7	23	VB..1604..	②	0.49
S25R-SVJBR/L-16CL	**A25R-SVJBR/L-16CL**	25	200	45	14	23	5	28			0.77
S32S-SVJBR/L-16CL	**A32S-SVJBR/L-16CL**	32	250	50	17.5	30	4	35			1.58
S40T-SVJBR/L-16CL	**A40T-SVJBR/L-16CL**	40	300	60	21.5	37	2	43			2.96
S16Q-SVJCR/L-11CL	**A16Q-SVJCR/L-11CL**	16	180	38	9.5	15	7	19	VC..1103..	①	0.28
S20R-SVJCR/L-11CL	**A20R-SVJCR/L-11CL**	20	200	42	11.5	18	7	23			0.49
S20R-SVJCR/L-16CL	**A20R-SVJCR/L-16CL**	20	200	42	11.5	18	7	23	VC..1604..	②	0.49
S25R-SVJCR/L-16CL	**A25R-SVJCR/L-16CL**	25	200	45	14	23	5	28			0.77
S32S-SVJCR/L-16CL	**A32S-SVJCR/L-16CL**	32	250	50	17.5	30	4	35			1.58
S40T-SVJCR/L-16CL	**A40T-SVJCR/L-16CL**	40	300	60	21.5	37	2	43			2.96

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C16R-SVJBR/L-11CL	**E16R-SVJBR/L-11CL**	16	200	38	9.5	15.2	7	19	VB..1103..	①	0.58
C20R-SVJBR/L-11CL	**E20R-SVJBR/L-11CL**	20	200	42	11.5	19.2	7	23			0.91
C20R-SVJBR/L-16CL	**E20R-SVJBR/L-16CL**	20	200	42	11.5	19.2	7	23	VB..1604..	②	0.91
C25S-SVJBR/L-16CL	**E25S-SVJBR/L-16CL**	25	250	45	14	24.2	5	28			1.78
C16R-SVJCR/L-11CL	**E16R-SVJCR/L-11CL**	16	200	38	9.5	15.2	7	19	VC..1103..	①	0.58
C20R-SVJCR/L-11CL	**E20R-SVJCR/L-11CL**	20	200	42	11.5	19.2	7	23			0.91
C20R-SVJCR/L-16CL	**E20R-SVJCR/L-16CL**	20	200	42	11.5	19.2	7	23	VC..1604..	②	0.91
C25S-SVJCR/L-16CL	**E25S-SVJCR/L-16CL**	25	250	45	14	24.2	5	28			1.78

Insert	Spare parts	Screw	Wrench	Clamp	Wrench
VB/VC..1103..	①	MS2506A	ETF09	MC35-5V	ETF15
VB/VC..1604..	②	MS3509B	--	MC35-3V	ETF15

SVJB/C



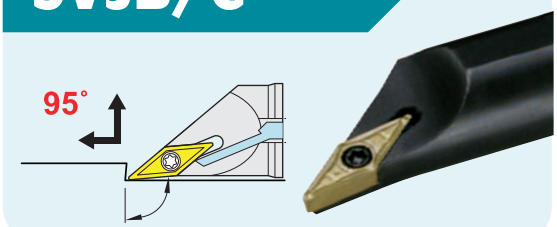


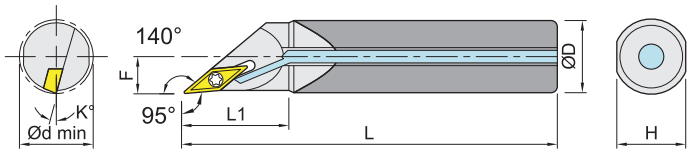
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S10K-SVJBR/L-11	A10K-SVJBR/L-11	10	125	25	6	9	13	12	VB..1103..	①	0.08
S12M-SVJBR/L-11	A12M-SVJBR/L-11	12	150	30	7	11	10	14			0.13
S16Q-SVJBR/L-11	A16Q-SVJBR/L-11	16	180	38	9.5	15	7	19			0.28
S20R-SVJBR/L-11	A20R-SVJBR/L-11	20	200	42	11.5	18	7	23			0.49
S16Q-SVJBR/L-16	A16Q-SVJBR/L-16	16	180	38	9.5	15	7	19	VB..1604..	②	0.28
S20R-SVJBR/L-16	A20R-SVJBR/L-16	20	200	42	11.5	18	7	23			0.49
S25R-SVJBR/L-16	A25R-SVJBR/L-16	25	200	45	14	23	5	28			0.77
S32S-SVJBR/L-16	A32S-SVJBR/L-16	32	250	50	17.5	30	4	35			1.58
S40T-SVJBR/L-16	A40T-SVJBR/L-16	40	300	60	21.5	37	2	43			2.96
S08K-SVJCR/L-08	A08K-SVJCR/L-08	8	125	22	5	7	15	10	VC..0802..	③	0.07
S10K-SVJCR/L-08	A10K-SVJCR/L-08	10	125	25	6	9	13	12			0.08
NEW S1608K-SVJCR/L-08E-L24	A1608K-SVJCR/L-08E-L24	16	125	24	4.5	15	15	9			0.20
S10K-SVJCR/L-11	A10K-SVJCR/L-11	10	125	25	6	9	13	12	VC..1103..	①	0.08
S12M-SVJCR/L-11	A12M-SVJCR/L-11	12	150	30	7	11	10	14			0.13
S16Q-SVJCR/L-11	A16Q-SVJCR/L-11	16	180	38	9.5	15	7	19			0.28
S20R-SVJCR/L-11	A20R-SVJCR/L-11	20	200	42	11.5	18	7	23			0.49
S16Q-SVJCR/L-16	A16Q-SVJCR/L-16	16	180	38	9.5	15	7	19	VC..1604..	②	0.28
S20R-SVJCR/L-16	A20R-SVJCR/L-16	20	200	42	11.5	18	7	23			0.49
S25R-SVJCR/L-16	A25R-SVJCR/L-16	25	200	45	14	23	5	28			0.77
S32S-SVJCR/L-16	A32S-SVJCR/L-16	32	250	50	17.5	30	4	35			1.58
S40T-SVJCR/L-16	A40T-SVJCR/L-16	40	300	60	21.5	37	2	43			2.96

Insert	Spare parts	Screw	Wrench
VB/VC..1103..	①	MS2506A	ETF09
VB/VC..1604..	②	MS3509B	ETF15
VC..0802..	③	MS2005A	ETF06

SVJB/C





Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

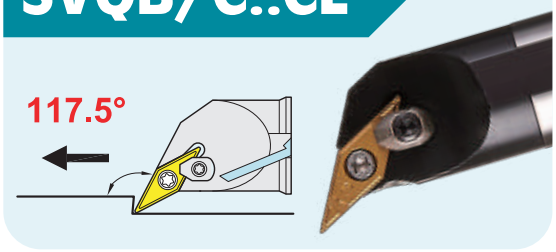
Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C10K-SVJBR/L-11	**E10K-SVJBR-11**	10	125	25	6	9.2	13	12	VB..1103..	①	0.14
C12M-SVJBR/L-11	**E12M-SVJBR-11**	12	150	30	7	11.2	10	14			0.24
C16R-SVJBR/L-11	**E16R-SVJBR-11**	16	200	38	9.5	15.2	7	19			0.58
C20R-SVJBR/L-11		20	200	42	11.5	19.2	7	23			0.90
C16R-SVJBR-16	**E16R-SVJBR-16**	16	200	38	9.5	15.2	7	19	VB..1604..	②	0.58
C20R-SVJBR-16		20	200	42	11.5	19.2	7	23			0.90
C25S-SVJBR-16		25	250	45	14	24.2	5	28			1.77
C08K-SVJCR/L-08		8	125	22	5	7.2	15	10	VC..0802..	③	0.09
C10K-SVJCR/L-08		10	125	25	6	9.2	13	12			0.14
C10K-SVJCR/L-11	**E10K-SVJCR/L-11**	10	125	25	6	9.2	13	12	VC..1103..	①	0.14
C12M-SVJCR/L-11	**E12M-SVJCR/L-11**	12	150	30	7	11.2	10	14			0.24
C16R-SVJCR/L-11	**E16R-SVJCR/L-11**	16	200	38	9.5	15.2	7	19			0.58
C20R-SVJCR/L-11	**E20R-SVJCR/L-11**	20	200	42	11.5	19.2	7	23			0.90
C16R-SVJCR-16		16	200	38	9.5	15.2	7	19	VC..1604..	②	0.58
C20R-SVJCR-16		20	200	42	11.5	19.2	7	23			0.90
C25S-SVJCR-16		25	250	45	14	24.2	5	28			1.77

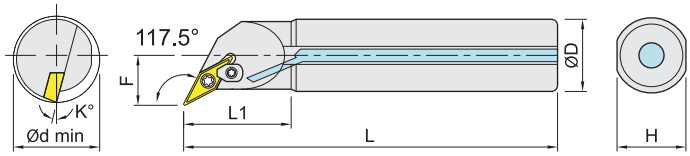
Insert	Spare parts	Screw	Wrench
VB/VC..1103..	①	MS2506A	ETF09
VB/VC..1604..	②	MS3509B	ETF15
VC..0802..	③	MS2005A	ETF06

A10K-SVJB/CR-11

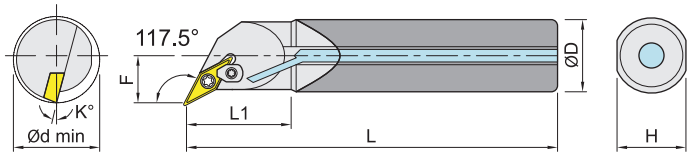
S=鋼柄(Steel shank)
A=鋼柄＋出水(Steel shank+coolant hole)
C=鎢鋼柄(Cemented carbide shank with steel head)
E=鎢鋼柄＋出水(Cemented carbide shank with steel head+coolant hole)

SVQB/C..CL





Coolant steel shank+clamp (Right-hand shown)
中心出水鋼柄+壓板 右向示意圖



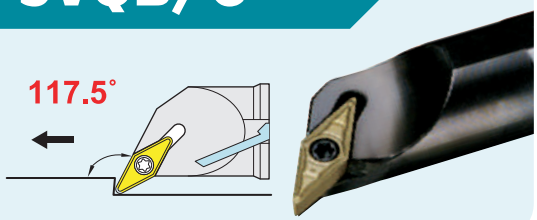
Coolant carbide shank+clamp (Right-hand shown)
中心出水鎢鋼柄+壓板 右向示意圖

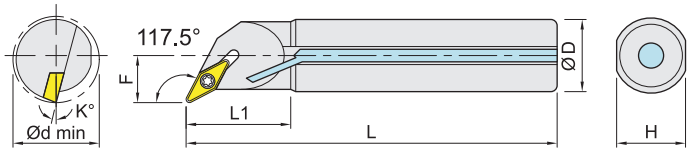
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S12M-SVQBR/L-11CL		12	150	28	9	11	10	16	VB..1103..	①	0.13
S16Q-SVQBR/L-11CL	**A16Q-SVQBR/L-11CL**	16	180	35	10	15	7	20			0.30
S20R-SVQBR/L-11CL	**A20R-SVQBR/L-11CL**	20	200	40	13	18	7	25			0.49
S20R-SVQBR/L-16CL	**A20R-SVQBR/L-16CL**	20	200	40	13.5	18	5	27	VB..1604..	②	0.49
S25R-SVQBR/L-16CL	**A25R-SVQBR/L-16CL**	25	200	45	16	23	5	32			0.77
S25S-SVQBR/L-16CL	**A25S-SVQBR/L-16CL**	25	250	45	16	23	5	32			0.96
S32S-SVQBR/L-16CL	**A32S-SVQBR/L-16CL**	32	250	48	20	30	5	40		③	1.58
S40T-SVQBR/L-16CL	**A40T-SVQBR/L-16CL**	40	300	60	25.5	37	5	50			2.96
S20R-SVQCR/L-16CL	**A20R-SVQCR/L-16CL**	20	200	40	13.5	18	5	27	VC..1604..	②	0.49
S25R-SVQCR/L-16CL	**A25R-SVQCR/L-16CL**	25	200	45	16	23	5	32			0.77
S25S-SVQCR/L-16CL	**A25S-SVQCR/L-16CL**	25	250	45	16	23	5	32			0.96
S32S-SVQCR/L-16CL	**A32S-SVQCR/L-16CL**	32	250	48	20	30	5	40		③	1.58
S40T-SVQCR/L-16CL	**A40T-SVQCR/L-16CL**	40	300	60	25.5	37	5	50			2.96

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C20R-SVQBR/L-16CL	**E20R-SVQBR/L-16CL**	20	200	40	13.5	19.2	5	27	VB..1604..	②	0.92
C25S-SVQBR/L-16CL	**E25S-SVQBR/L-16CL**	25	250	45	16	24.2	5	32			1.78
C20R-SVQCR/L-16CL	**E20R-SVQCR/L-16CL**	20	200	40	13.5	19.2	5	27	VC..1604..	②	0.92
C25S-SVQCR/L-16CL	**E25S-SVQCR/L-16CL**	25	250	45	16	24.2	5	32			1.78

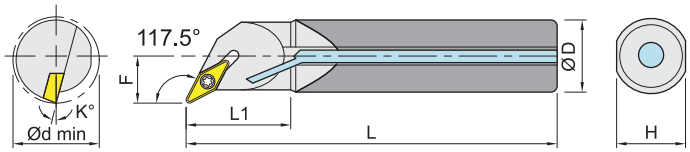
Insert	Spare parts	Shim	Screw	Wrench	Screw	Wrench	Clamp	Wrench
VB/VC..1103..	①	--	--	--	MS2506A	ETF09	MC35-3V	ETF15
VB/VC..1604..	②	--	--	--	MS3509B	--	MC35-3V	ETF15
VB/VC..1604..	③	VSS322	MDS05035S	PL35	MS3512B	--	MC35-3V	ETF15

SVQB/C





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S12M-SVQBR/L-11	**A12M-SVQBR/L-11**	12	150	28	9	11	10	16	VB..1103..	①	0.13
S16Q-SVQBR/L-11	**A16Q-SVQBR/L-11**	16	180	35	10	15	7	20			0.28
S20R-SVQBR/L-11	**A20R-SVQBR/L-11**	20	200	40	13	18	7	25			0.49
S20R-SVQBR/L-16	**A20R-SVQBR/L-16**	20	200	40	13.5	18	5	27	VB..1604..	②	0.49
S25R-SVQBR/L-16	**A25R-SVQBR/L-16**	25	200	45	16	23	5	32			0.77
S25S-SVQBR/L-16	**A25S-SVQBR/L-16**	25	250	45	16	23	5	32			0.96
S32S-SVQBR/L-16	**A32S-SVQBR/L-16**	32	250	48	20	30	5	40		③	1.58
S32V-SVQBR/L-16		32	400	48	20	30	5	40			2.53
S40T-SVQBR/L-16		40	300	60	25.5	37	5	50			2.96
S40V-SVQBR/L-16		40	400	60	25.5	37	5	50			3.95
S12M-SVQCR/L-11	**A12M-SVQCR/L-11**	12	150	28	9	11	10	16	VC..1103..	①	0.13
S16Q-SVQCR/L-11	**A16Q-SVQCR/L-11**	16	180	35	10	15	7	20			0.28
S20R-SVQCR/L-11	**A20R-SVQCR/L-11**	20	200	40	13	18	7	25			0.49
S20R-SVQCR/L-16	**A20R-SVQCR/L-16**	20	200	40	13.5	18	5	27	VC..1604..	②	0.49
S25R-SVQCR/L-16	**A25R-SVQCR/L-16**	25	200	45	16	23	5	32			0.77
S25S-SVQCR/L-16	**A25S-SVQCR/L-16**	25	250	45	16	23	5	32			0.96
S32S-SVQCR/L-16	**A32S-SVQCR/L-16**	32	250	48	20	30	5	40	VC..1604..	③	1.58
S40T-SVQCR/L-16		40	300	60	25.5	37	5	50			2.96
S40V-SVQCR/L-16		40	400	60	25.5	37	5	50			3.95

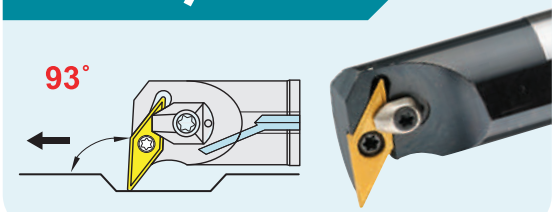
Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C12M-SVQBR-11		12	150	28	9	11.2	10	16	VB..1103..	①	0.24
C16R-SVQBR-11		16	200	35	10	15.2	7	20			0.58
C20R-SVQBR-11		20	200	40	13	19.2	7	25			0.90
C20R-SVQBR-16		20	200	40	13.5	19.2	5	27	VB..1604..	②	0.90
C25S-SVQBR-16		25	250	45	16	24.2	5	32			1.77
C12M-SVQCR/L-11		12	150	28	9	11.2	10	16	VC..1103..	①	0.24
C16R-SVQCR/L-11	**E16R-SVQCR-11**	16	200	35	10	15.2	7	20			0.58
C20R-SVQCR/L-11		20	200	40	13	19.2	7	25			0.90
C20R-SVQCR-16		20	200	40	13.5	19.2	5	27	VC..1604..	②	0.90
C25S-SVQCR-16		25	250	45	16	24.2	5	32			1.77

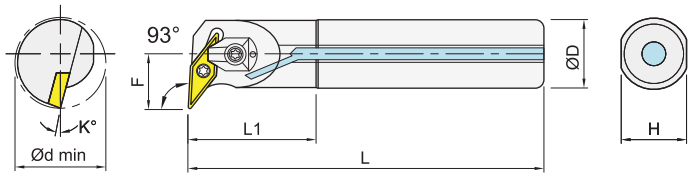
Insert	Spare parts	Shim	Screw	Wrench	Screw	Wrench
VB/VC..1103..	①	--	--	--	MS2506A	ETF09
VB/VC..1604..	②	--	--	--	MS3509B	ETF15
VB/VC..1604..	③	VSS322	MDS05035S	PL35	MS3512B	ETF15

A25K-SVQBR-16

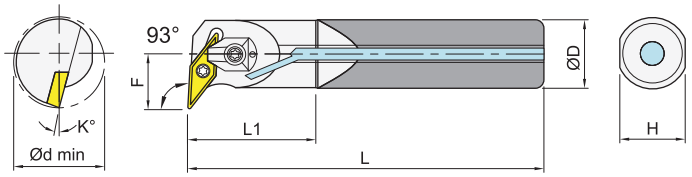
S=鋼柄(Steel shank)
A=鋼柄＋出水(Steel shank+coolant hole)
C=鎢鋼柄(Cemented carbide shank with steel head)
E=鎢鋼柄＋出水(Cemented carbide shank with steel head+coolant hole)

SVUB/C..CL





Coolant steel shank+clamp (Right-hand shown)
中心出水鋼柄+壓板 右向示意圖



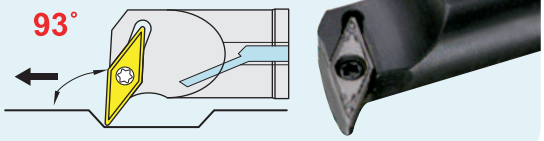
Coolant carbide shank+clamp (Right-hand shown)
中心出水鎢鋼柄+壓板 右向示意圖

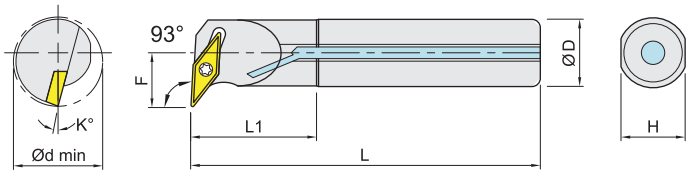
Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S16Q-SVUBR/L-11CL	A16Q-SVUBR/L-11CL	16	180	30	13	15	7	22	VB..1103..	①	0.28
S20R-SVUBR/L-11CL	A20R-SVUBR/L-11CL	20	200	40	15	18	7	27			0.49
S20R-SVUBR/L-16CL	A20R-SVUBR/L-16CL	20	200	40	19.5	18	5	32	VB..1604..	②	0.49
S25R-SVUBR -16CL	A25R-SVUBR -16CL	25	200	45	18	23	5	32			0.77
S32S-SVUBR/L-16CL	A32S-SVUBR/L-16CL	32	250	50	22	30	5	40		③	1.58
S40T-SVUBR -16CL	A40T-SVUBR -16CL	40	300	55	27	37	5	50			2.96
S16Q-SVUCR/L-11CL	A16Q-SVUCR/L-11CL	16	180	30	13	15	7	22	VC..1103..	①	0.28
S20R-SVUCR/L-11CL	A20R-SVUCR/L-11CL	20	200	40	15	18	7	27			0.49
S20R-SVUCR/L-16CL	A20R-SVUCR/L-16CL	20	200	40	19.5	18	5	32	VC..1604..	②	0.49
S25R-SVUCR/L-16CL	A25R-SVUCR -16CL	25	200	45	18	23	5	32			0.77
S32S-SVUCR -16CL	A32S-SVUCR -16CL	32	250	50	22	30	5	40	VC..1604..	③	1.58
S40T-SVUCR -16CL	A40T-SVUCR -16CL	40	300	55	27	37	5	50			2.96
S40U-SVUCR -16CL		40	350	55	27	37	5	50			3.45

Carbide shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
C16R-SVUBR-11CL		16	200	30	13	15.2	7	22	VB..1103..	①	0.58
C20R-SVUBR-11CL		20	200	40	15	19.2	7	27			0.91
C20R-SVUBR-16CL		20	200	40	19.5	19.2	5	32	VB..1604..	②	0.91
C25S-SVUBR-16CL		25	250	45	18	24.2	5	32			1.77
C16R-SVUCR/L-11CL	E16R-SVUCR-11CL	16	200	30	13	15.2	7	22	VC..1103..	①	0.58
C20R-SVUCR/L-11CL		20	200	40	15	19.2	7	27			0.91
C20R-SVUCR-16CL	E20R-SVUCR-16CL	20	200	40	19.5	19.2	5	32	VC..1604..	②	0.91
C25S-SVUCR-16CL	E25S-SVUCR-16CL	25	250	45	18	24.2	5	32			1.77

Insert	Spare parts	Shim	Screw	Wrench	Screw	Wrench	Clamp	Wrench
VB/VC..1103..	①	--	--	--	MS2506A	ETF09	MC35-3V	ETF15
VB/VC..1604..	②	--	--	--	MS3509B	--	MC35-3V	ETF15
VB/VC..1604..	③	VSS322	MDS05035S	PL35	MS3512B	--	MC35-3V	ETF15

SVUB/C





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S16Q-SVUBR/L-11	**A16Q-SVUBR/L-11**	16	180	30	13	15	7	22	VB..1103..	①	0.28
S20R-SVUBR/L-11	**A20R-SVUBR/L-11**	20	200	40	15	18	7	27			0.49
S25R-SVUBR/L-16	**A25R-SVUBR/L-16**	25	200	45	18	23	5	32	VB..1604..	②	0.77
S25S-SVUBR/L-16	**A25S-SVUBR/L-16**	25	250	45	18	23	5	32			0.96
S32S-SVUBR/L-16	**A32S-SVUBR/L-16**	32	250	50	22	30	5	40		③	1.58
S40T-SVUBR/L-16	**A40T-SVUBR -16**	40	300	55	27	37	5	50			2.96
S40U-SVUBR/L-16		40	350	55	27	37	5	50			3.45
S40V-SVUBR/L-16		40	400	55	27	37	5	50			3.95
S12M-SVUCR/L-08	**A12M-SVUCR/L-08**	12	150	26	9.5	11	10	16	VC..0802..	④	0.13
S1612M-SVUCR/L-08	**A1612M-SVUCR/L-08**	16	150	31	9.5	15	10	16			0.24
S16Q-SVUCR/L-11	**A16Q-SVUCR/L-11**	16	180	30	13	15	7	22	VC..1103..	①	0.28
S20R-SVUCR/L-11	**A20R-SVUCR/L-11**	20	200	40	15	18	7	27			0.49
S25R-SVUCR/L-16	**A25R-SVUCR/L-16**	25	200	45	18	23	5	32	VC..1604..	②	0.77
S25S-SVUCR/L-16	**A25S-SVUCR/L-16**	25	250	45	18	23	5	32			0.96
S32S-SVUCR/L-16	**A32S-SVUCR/L-16**	32	250	50	22	30	5	40	VC..1604..	③	1.58
S40T-SVUCR/L-16	**A40T-SVUCR/L-16**	40	300	55	27	37	5	50			2.96
S40U-SVUCR/L-16	**A40U-SVUCR/L-16**	40	350	55	27	37	5	50			3.45
S40V-SVUCR/L-16	**A40V-SVUCR/L-16**	40	400	55	27	37	5	50			3.95

Insert	Spare parts	Shim	Screw	Wrench	Screw	Wrench
VB/VC..1103..	①	--	--	--	MS2506A	ETF09
VB/VC..1604..	②	--	--	--	MS3509B	ETF15
VB/VC..1604..	③	VSS322	MDS05035S	PL35	MS3512B	ETF15
VC..0802..	④	--	--	--	MS2005A	ETF06

SVVB/C..CL

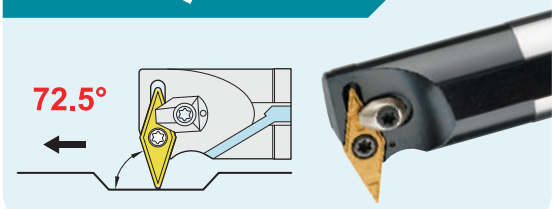
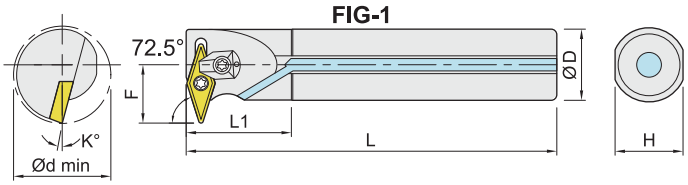
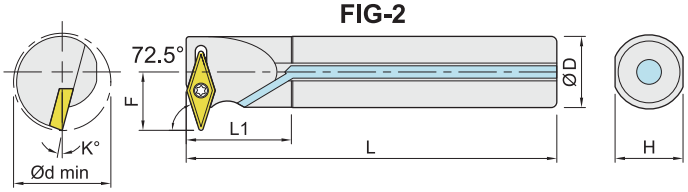


FIG-1



Coolant steel shank+clamp (Right-hand shown)
中心出水鋼柄+壓板 右向示意圖

FIG-2



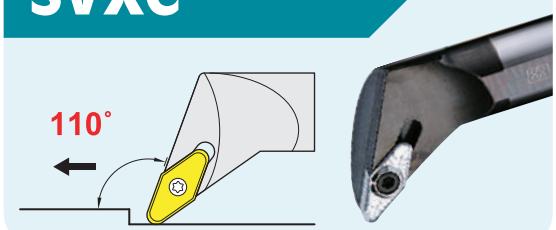
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

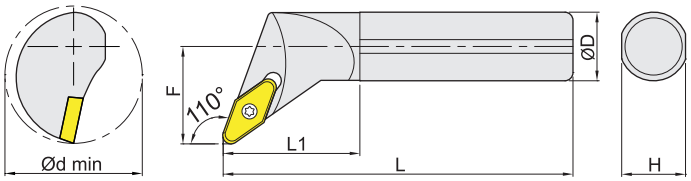
FIG-1 Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S16Q-SVVBR/L-11CL	**A16Q-SVVBR/L-11CL**	16	180	35	13	15	6	25	VB..1103..	①	0.28
S20R-SVVBR/L-11CL	**A20R-SVVBR/L-11CL**	20	200	38	16	18	5	32			0.49
S25R-SVVBR/L-16CL	**A25R-SVVBR/L-16CL**	25	200	45	20.5	23	5	34	VB..1604..	②	0.77
S25S-SVVBR/L-16CL	**A25S-SVVBR/L-16CL**	25	250	45	20.5	23	5	34			0.96
S32S-SVVBR/L-16CL	**A32S-SVVBR/L-16CL**	32	250	50	25.5	30	5	42		③	1.59
S16Q-SVVCR/L-11CL	**A16Q-SVVCR/L-11CL**	16	180	35	13	15	6	25	VC..1103..	①	0.28
S20R-SVVCR/L-11CL	**A20R-SVVCR/L-11CL**	20	200	38	16	18	5	32			0.49
S25R-SVVCR/L-16CL	**A25R-SVVCR/L-16CL**	25	200	45	20.5	23	5	34	VC..1604..	②	0.77
S25S-SVVCR/L-16CL	**A25S-SVVCR/L-16CL**	25	250	45	20.5	23	5	34			0.96
S32S-SVVCR/L-16CL	**A32S-SVVCR/L-16CL**	32	250	50	25.5	30	5	42		③	1.59

FIG-2 Steel shank Item code		Dimensions,mm							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
S25R-SVVBR/L-16	**A25R-SVVBR/L-16**	25	200	45	20.5	23	5	34	VB..1604..	④	0.77
S25S-SVVBR/L-16	**A25S-SVVBR/L-16**	25	250	45	20.5	23	5	34			0.96
S32S-SVVBR/L-16		32	250	50	25.5	30	5	42		⑤	1.58
S25S-SVVCR/L-16		25	250	45	20.5	23	5	34	VC..1604..	④	0.96
S32S-SVVCR/L-16		32	250	50	25.5	30	5	42		⑤	1.58

Insert	Spare parts	Shim	Screw	Wrench	Screw	Wrench	Clamp	Wrench
VB/VC..1103..	①	--	--	--	MS2506A	ETF09	MC35-3V	ETF15
VB/VC..1604..	②	--	--	--	MS3509B	--	MC35-3V	ETF15
VB/VC..1604..	③	VSS322	MDS05035S	PL35	MS3512B	--	MC35-3V	ETF15
VB/VC..1604..	④	--	--	--	MS3509B	ETF15	--	--
VB/VC..1604..	⑤	VSS322	MDS05035S	PL35	MS3512B	ETF15	--	--

SVXC

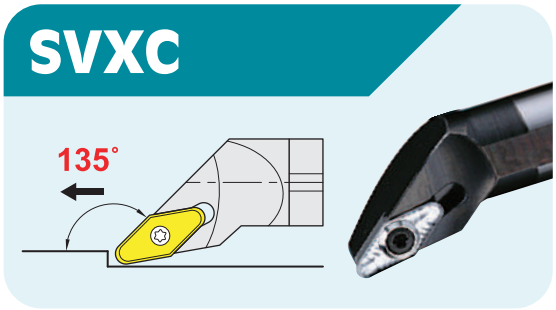


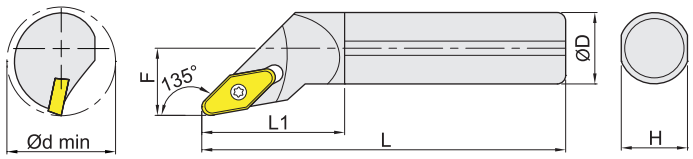


Steel shank (Right-hand shown)
鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm						Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	dmin			
S25N-SVXCR-22-A125-D71		25	160	50	35.5	23	50	VC..2205..	①	0.62

SVXC



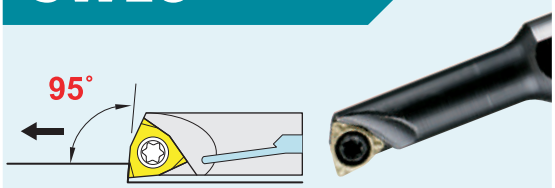


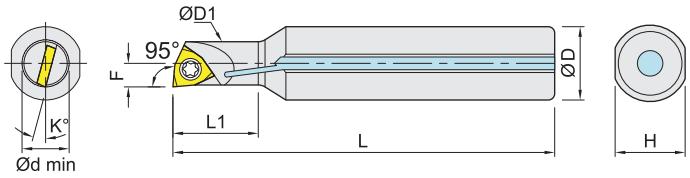
Steel shank (Right-hand shown)
鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm						Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	dmin			
S25N-SVXCR-22-A100-D47		25	160	50	23.5	23	38	VC..2205..	①	0.62

Insert	Spare parts	Screw	Wrench
VC..2205..	①	MS5011A	ETF20

SWLC



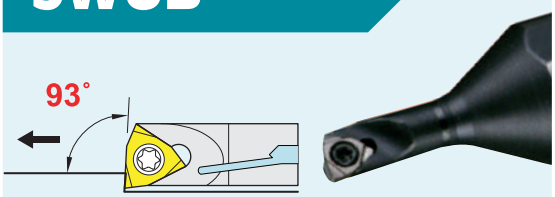


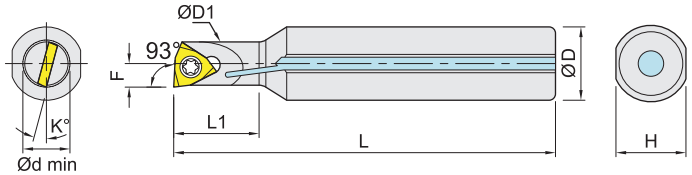
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm								Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	D1	L	L1	F	H	K°	dmin			
S0805K-SWLCR-02-L15	A0805K-SWLCR-02-L15	8	5	125	15	3.0	7	12	6	WC..0201..	①	0.05
S0805K-SWLCR-02-L18	A0805K-SWLCR-02-L18	8	5	125	18	3.0	7	12	6			0.05
S1005K-SWLCR-02-L15	A1005K-SWLCR-02-L15	10	5	125	15	3.0	9	12	6			0.08
S1006K-SWLCR-02-L15		10	6	125	15	3.5	9	12	7			0.08

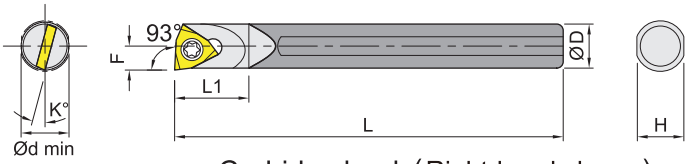
Insert	Spare parts	Screw	Wrench
WC..0201..	①	MS2003A	ETF06

SWUB





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



Carbide shank (Right-hand shown)
鎢鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm								Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	D1	L	L1	F	H	K°	dmin			
S1005K-SWUBR/L-06-L15	A1005K-SWUBR/L-06-L15	10	5	125	15	3.0	9	12	6	WB..0601..	①	0.08
S1006K-SWUBR/L-06-L18	A1006K-SWUBR/L-06-L18	10	6	125	18	3.5	9	12	7			0.08
S1007K-SWUBR/L-06-L20	A1007K-SWUBR/L-06-L20	10	7	125	20	4.0	9	12	8	WB..0601..	②	0.08
S1205K-SWUBR/L-06-L15	A1205K-SWUBR/L-06-L15	12	5	125	15	3.0	11	12	6		①	0.11
S1605K-SWUBR/L-06-L15	A1605K-SWUBR/L-06-L15	16	5	125	15	3.0	15	12	6			0.20

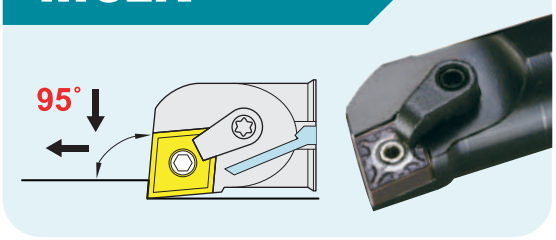
Carbide shank Item code		Dimensions,mm								Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	D1	L	L1	F	H	K	dmin			
C05H-SWUBR/L-06	--	5	--	100	15	3.0	4.7	12	6	WB..0601..	①	0.03
C06J-SWUBR/L-06	--	6	--	110	15	3.5	5.7	12	7			0.05
C07J-SWUBR-06	--	7	--	110	18	4.0	6.7	12	8		②	0.06

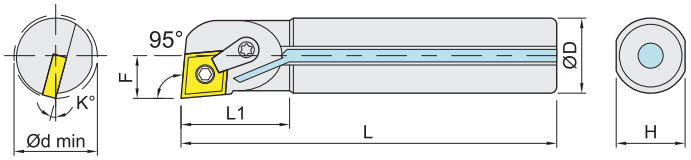
※鎢鋼柄Ø7以下刀桿僅一面側固(Carbide shank below Ø7 is one weldon flat only)。

Insert	Spare parts	Screw	Wrench
WB..0601..	①	MS2003A	ETF06
WB..0601..	②	MS2004A	ETF06

英制規格
IMPERIAL

MCLN



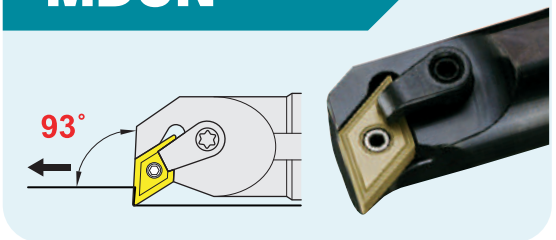


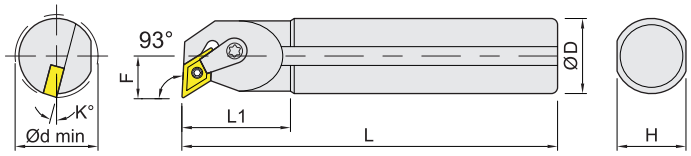
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,inch							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
IS12R-MCLNR-4	**IA12R-MCLNR-4**	0.75	8	1.575	0.5	0.709	15	0.93	CN..43.. (CN..1204)	①	0.45
IS16R-MCLNR-4		1	8	1.575	0.64	0.906	13	1.28			0.80

Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
CN..43/(CN..1204)	①	--	MLP44-A	PL25	MC620	MS620TX	ETL15

MDUN



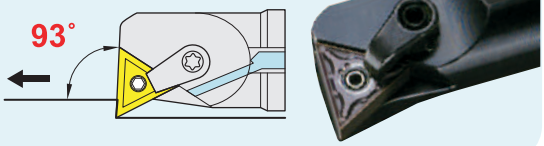


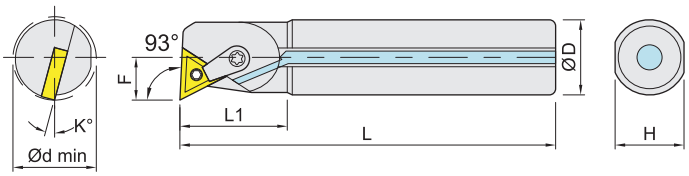
Steel shank (Right-hand shown)
鋼柄 右向示意圖

Steel shank Item code		Dimensions,inch							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
IS16R-MDUNR-43		1	8	1.772	0.67	0.906	13	1.26	DN..43.. (DN..1504)	①	0.80

Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
DN..43/(DN..1504)	①	--	MLP44-A	PL25	MC620	MS620TX	ETL15

MTUN



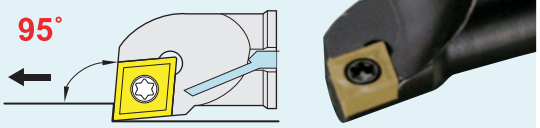


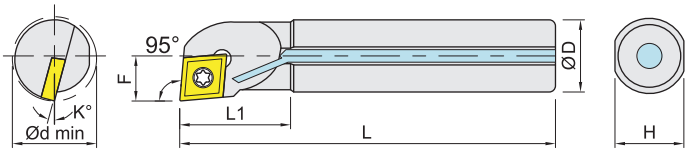
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,inch							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
IS12R-MTUNR-3	**IA12R-MTUNR-3**	0.75	8	1.575	0.5	0.709	15	0.93	TN..33.. (TN..1604)	①	0.45
IS16R-MTUNR-3		1	8	1.575	0.61	0.906	13	1.18			0.80

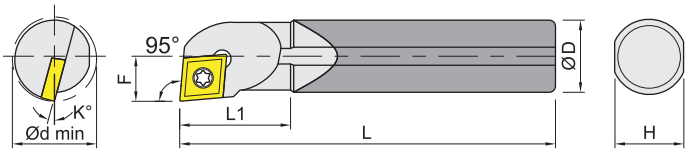
Insert	Spare parts	Shim	Pin	Wrench	Clamp	Screw	Wrench
TN..33/(TN..1604)	①	--	MLP33L-A	PL20	MC515	MS520TX	ETL10

SCLC





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



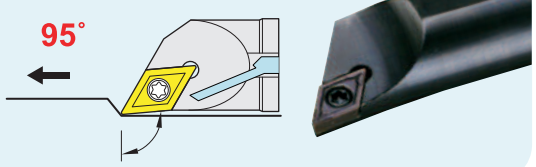
Carbide shank (Right-hand shown)
鎢鋼柄 右向示意圖

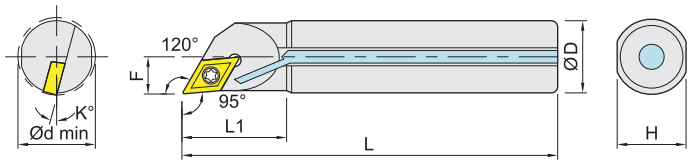
Steel shank Item code		Dimensions,inch							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
IS05K-SCLCR-2-B		0.3125	5	0.787	0.177	0.276	15	0.355	CC..21.. (CC..0602)	①	0.05
IS06K-SCLCR-2-B		0.375	5	0.866	0.217	0.335	13	0.434			0.07
IS08M-SCLCR-2		0.5	6	1.024	0.312	0.453	10	0.6			0.16
IS08M-SCLCR-3		0.5	6	1.024	0.312	0.453	10	0.6	CC..32.. (CC..09T3)	②	0.17
IS10Q-SCLCR-3-B	**IA10Q-SCLCR-3-B**	0.625	7	1.26	0.355	0.591	7	0.709			0.28
IS12R-SCLCR-3	**IA12R-SCLCR-3**	0.75	8	1.575	0.5	0.709	5	0.93		③	0.45
IS16R-SCLCR-3	**IA16R-SCLCR-3**	1	8	1.575	0.64	0.906	5	1.2		④	0.80

Carbide shank Item code		Dimensions,inch							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
IC06M-SCLCR-2		0.375	6	0.866	0.25	0.335	13	0.48	CC..21.. (CC..0602)	①	0.07

Insert	Spare parts	Screw	Wrench
CC..21../(CC..0602) VC..22../(VC..1103)	①	MS2506A	ETF09
CC..32../(CC..09T3)	②	MS4008A	ETF15
CC..32../(CC..09T3)	③	MS4009A	ETF15
CC..32../(CC..09T3)	④	MS4011A	ETF15
DC..21../(DC..0702)	⑤	MS2506B	ETF09
DC..32../(DC..11T3)	⑥	MS4009A	ETF15
DC..32../(DC..11T3)	⑦	MS4011A	ETF15

SDJC

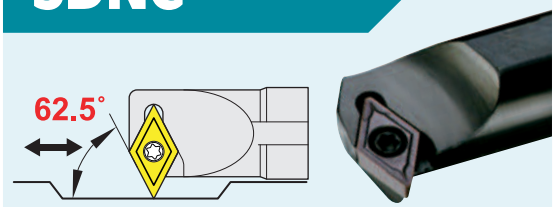


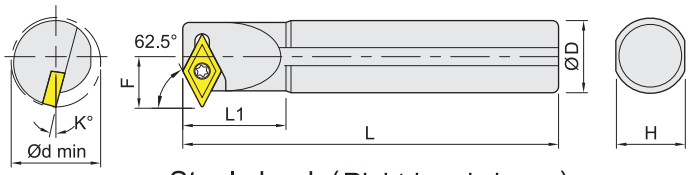


Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,inch							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
IS06K-SDJCR-2	IA06K-SDJCR-2	0.375	5	0.985	0.236	0.335	13	0.473	DC..21.. (DC..0702)	⑤	0.07
IS10Q-SDJCR-2		0.625	7	1.496	0.374	0.591	7	0.749			0.28
IS10Q-SDJCR-3		0.625	7	1.496	0.374	0.591	7	0.749	DC..32.. (DC..11T3)	⑥	0.28
IS12R-SDJCR-3	IA12R-SDJCR-3	0.75	8	1.654	0.433	0.709	7	0.867			0.45

SDNC

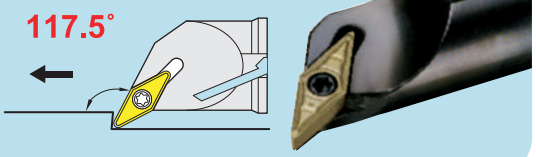


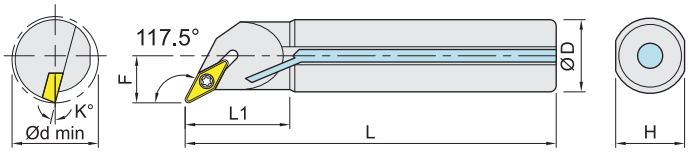


Steel shank (Right-hand shown)
鋼柄 右向示意圖

Steel shank Item code		Dimensions,inch							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
IS10Q-SDNCR-2		0.625	7	1.182	0.433	0.591	7	0.788	DC..21.. (DC..0702)	⑤	0.28
IS12R-SDNCR-3		0.75	8	1.378	0.57	0.709	7	0.965	DC..32.. (DC..11T3)	⑦	0.45

SVQC





Steel shank (Right-hand shown)
鋼柄 右向示意圖

Steel shank Item code		Dimensions,inch							Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	H	K°	dmin			
NEW IS08M-SVQCR-2A		0.5	6	1.102	0.366	0.453	10	0.630	VC..22.. (VC..1103)	①	0.13
NEW IS10Q-SVQCR-2A		0.625	7	1.378	0.399	0.591	7	0.788			0.28
NEW IS12R-SVQCR-2A		0.75	8	1.575	0.523	0.709	7	0.984			0.49

SHAN GIN

內徑車刀套筒

SLEEVES FOR BORING BARS

FIG-1

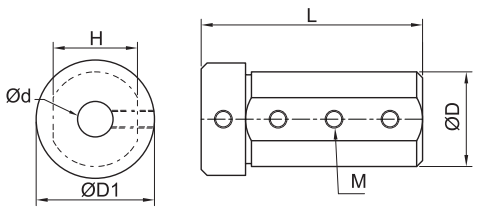


FIG-2

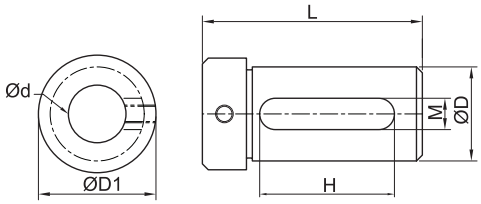


FIG-3

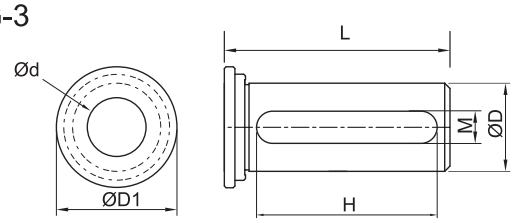
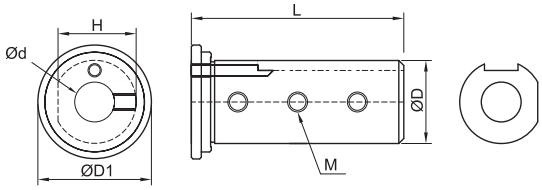


FIG-4



無水孔 Non-coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC1603	FIG-1	3	16	19	62	14.5	M4	0.11
NC1604	FIG-1	4				14.5	M5	0.10
NC1605	FIG-1	5						0.09
NC1606	FIG-1	6						0.08
NC1608	FIG-1	8				14	M5	0.07
NC1610	FIG-1	10				14.2	M4	0.06
NC1612	FIG-2	12				50	11	0.06

無水孔 Non-coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC2004	FIG-1	4	20	27	67	17.5	M5	0.17
NC2005	FIG-1	5						0.17
NC2006	FIG-1	6				17.5	M6	0.16
NC2007	FIG-1	7						0.15
NC2008	FIG-1	8						0.14
NC2010	FIG-1	10						0.13
NC2012	FIG-1	12						0.12
NC2014	FIG-2	14				53	13	0.09
NC2015	FIG-2	15						0.08
NC2016	FIG-2	16						0.07

無水孔 Non-coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC20S06	FIG-1	6	20	25	52	18.5	M6	0.13
NC20S08	FIG-1	8	20	25	52	18.5	M6	0.12
NC20S10	FIG-1	10						0.11
NC20S12	FIG-1	12						0.10
NC20S16	FIG-2	16	20	25	52	39	11	0.06

水孔 Coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC25-04A	FIG-4	4	25	35	64	23.5	M4	0.25
NC25-05A	FIG-4	5					M5	0.24
NC25-06A	FIG-4	6					M6	0.24
NC25-07A	FIG-4	7						0.24
NC25-08A	FIG-4	8						0.23
NC25-09A	FIG-4	9						0.22
NC25-10A	FIG-4	10						0.22
NC25-11A	FIG-4	11						0.20
NC25-12A	FIG-4	12						0.21
NC25-13A	FIG-4	13						0.19

無水孔 Non-coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC2514	FIG-3	14	25	35	64	51	12	0.18
NC2515	FIG-3	15						0.17
NC2516	FIG-3	16						0.16
NC2517	FIG-3	17						0.15
NC2518	FIG-3	18						0.14
NC2520	FIG-3	20						0.11
NC2522	FIG-3	22						0.09

※目錄中規格和工具尺寸如有變更，依實際出貨為主，本公司保有異動權利。
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SLEEVES FOR BORING BARS

FIG-1

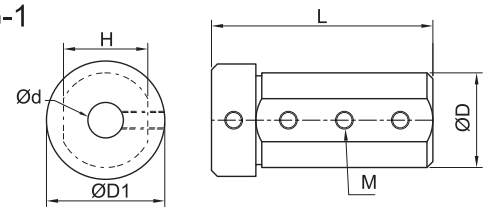


FIG-2

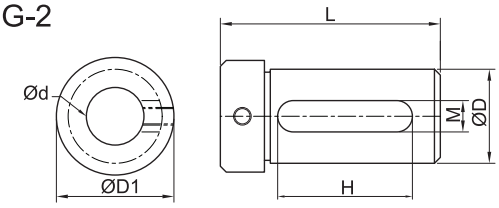


FIG-3

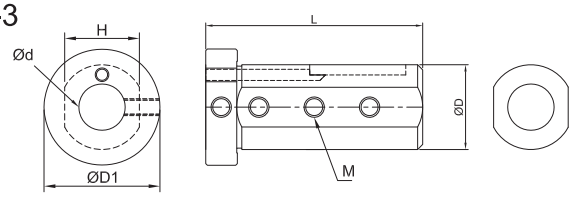
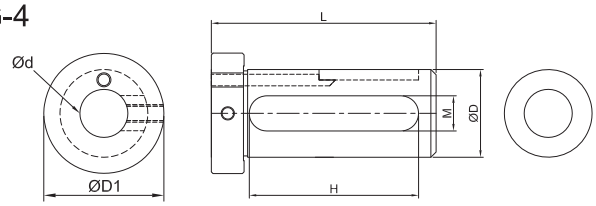


FIG-4



無水孔 Non-coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC3204	FIG-1	4	32	38	85	29.5	M4	0.56
NC3205	FIG-1	5					M6	0.55
NC3206	FIG-1	6						0.54
NC3207	FIG-1	7						0.54
NC3208	FIG-1	8						0.53
NC3210	FIG-1	10	32	38	100	29.5	M8	0.59
NC3212	FIG-1	12						0.57
NC3214	FIG-1	14						0.54
NC3215	FIG-1	15						0.52
NC3216	FIG-1	16						0.50
NC3218	FIG-1	18						0.46
NC3220	FIG-2	20	32	38	100	77	14	0.38
NC3222	FIG-2	22						0.34
NC3225	FIG-2	25						0.27

水孔 Coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC32B06AS	FIG-3	6	32	40	86	29	M6	0.54
NC32B08AS	FIG-3	8	32	40	86	29	M6	0.52
NC32B10AS	FIG-3	10	32	40	86	29	M8	0.50
NC32B12AS	FIG-3	12	32	40	86	29	M8	0.48
NC32B16AS	FIG-3	16	32	40	86	29	M8	0.43
NC32B20AS	FIG-3	20	32	40	86	29	M8	0.36

無水孔 Non-coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC4005	FIG-1	5	40	46	100	38	M6	1.03
NC4006	FIG-1	6						1.02
NC4007	FIG-1	7						1.02
NC4008	FIG-1	8	40	46	100	38	M8	0.99
NC4010	FIG-1	10						0.98
NC4012	FIG-1	12						0.94
NC4014	FIG-1	14						0.92
NC4015	FIG-1	15						0.90
NC4016	FIG-1	16						0.89
NC4018	FIG-1	18	40	46	100	38	M8	0.84
NC4020	FIG-2	20	40	46	100	78	14	0.73
NC4022	FIG-2	22						0.69
NC4025	FIG-2	25						0.61
NC4032	FIG-2	32						0.40

水孔 Coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC40-05AC	FIG-3	5	40	46	90	38	M6	0.89
NC40-06AC	FIG-3	6						0.89
NC40-08AC	FIG-3	8	40	46	90	38	M8	0.87
NC40-10AC	FIG-3	10						0.85
NC40-12AC	FIG-3	12						0.83
NC40-16AC	FIG-3	16	40	46	90	38	M8	0.77
NC40-18AC	FIG-3	18						0.74
NC40-20AC	FIG-4	20	40	46	90	72	14	0.63
NC40-25AC	FIG-4	25	40	46	90	72	14	0.53

FIG-5

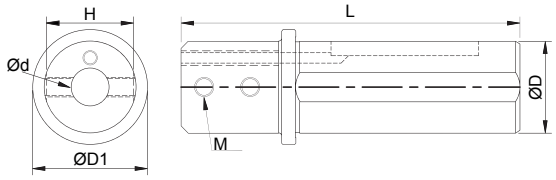


FIG-6

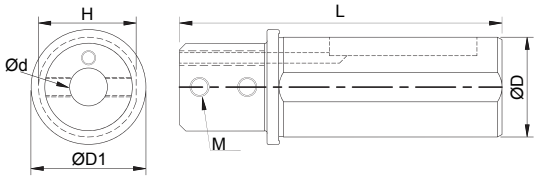
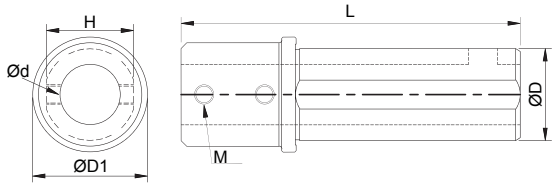


FIG-7



	水孔 Coolant	Shape	Dimensions,mm d	D	D1	L	H	M	Weight (kg)
NEW	NC32B06A	FIG-6	6	32	40	118	31	M6	0.71
NEW	NC32B08A	FIG-6	8						0.69
NEW	NC32B10A	FIG-6	10	32	40	118	31	M8	0.66
NEW	NC32B12A	FIG-6	12						0.63
NEW	NC32B14A	FIG-6	14	32	40	118	30	M8	0.59
NEW	NC32B16A	FIG-5	16						0.53

	無水孔 Non-coolant	Shape	Dimensions,mm d	D	D1	L	H	M	Weight (kg)
NEW	NC32B20BW※	FIG-7	20	32	40	118	30	M8	0.52

※出水功能：需連接「出水刀桿」使用
coolant function: need to connect with coolant boring bars

	水孔 Coolant	Shape	Dimensions,mm d	D	D1	L	H	M	Weight (kg)
NEW	NC40C06A	FIG-6	6	40	46	129	38	M6	1.15
NEW	NC40C08A	FIG-6	8						1.12
NEW	NC40C10A	FIG-6	10	40	46	129	38	M8	1.09
NEW	NC40C12A	FIG-6	12						1.05
NEW	NC40C14A	FIG-6	14						1.01
NEW	NC40C16A	FIG-5	16						0.97
NEW	NC40C20A	FIG-5	20						0.91

	無水孔 Non-coolant	Shape	Dimensions,mm d	D	D1	L	H	M	Weight (kg)
NEW	NC40C25BW※	FIG-7	25	40	46	129	38	M8	0.81

※出水功能：需連接「出水刀桿」使用
coolant function: need to connect with coolant boring bars

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內徑車刀套筒
SLEEVES FOR BORING BARS

FIG-1

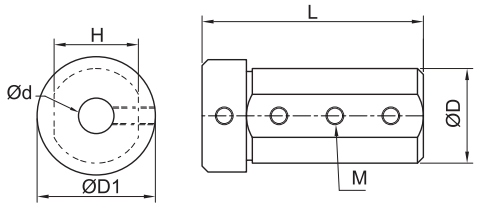


FIG-2

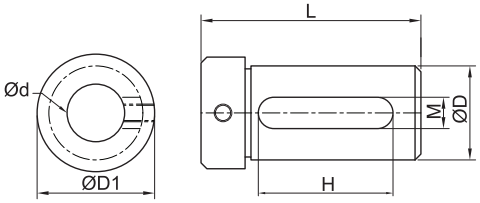
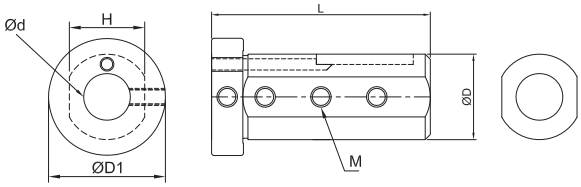


FIG-3



無水孔 Non-coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC5008	FIG-1	8	50	58	100	48	M8	1.60
NC5010	FIG-1	10						1.59
NC5012	FIG-1	12						1.56
NC5014	FIG-1	14						1.53
NC5016	FIG-1	16						1.50
NC5018	FIG-1	18						1.46
NC5020	FIG-1	20						1.40
NC5025	FIG-1	25						1.27
NC5032	FIG-2	32	50	58	100	77	14	0.97
NC5040	FIG-2	40						0.71

水孔 Coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC50B08A	FIG-3	8	50	58	115	48	M8	1.81
NC50B10A	FIG-3	10						1.76
NC50B12A	FIG-3	12						1.74
NC50B16A	FIG-3	16	50	58	115	48	M8	1.68
NC50B20A	FIG-3	20	50	58	115	48	M8	1.58
NC50B25A	FIG-3	25						1.42
NC50B32A	FIG-3	32						1.14
NC50B40※	FIG-2	40				92	14	0.72

※表示無中心出水Non-coolant

無水孔 Non-coolant	Shape	Dimensions,mm						Weight (kg)
		d	D	D1	L	H	M	
NC6020	FIG-1	20	60	68	120	57	M8	2.45
NC6025	FIG-1	25						2.29
NC6032	FIG-1	32						2.00
NC6040	FIG-1	40						1.57
NC6050	FIG-2	50	60	68	120	102	14	0.89

FIG-1

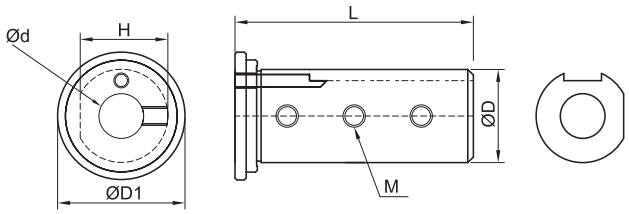
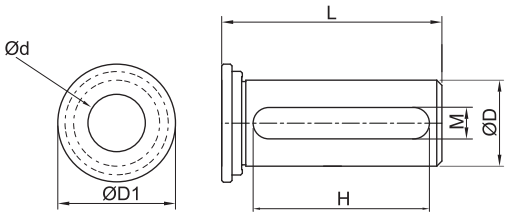


FIG-2



Inch

無水孔 Non-coolant	水孔 Coolant	Shape	Dimensions,mm						Weight (kg)
			d	D	D1	L	H	M	
	NCI25.4-06A	FIG-1	6	25.4	35	64	23.5	M6	0.25
	NCI25.4-08A	FIG-1	8						0.24
	NCI25.4-10A	FIG-1	10						0.23
	NCI25.4-12A	FIG-1	12						0.21
	NCI25.4-14A	FIG-1	14						0.18
NCI25.4-14		FIG-2	14	25.4	35	64	51	12	0.18
NCI25.4-16		FIG-2	16						0.16
NCI25.4-20		FIG-2	20						0.12

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FIG-1

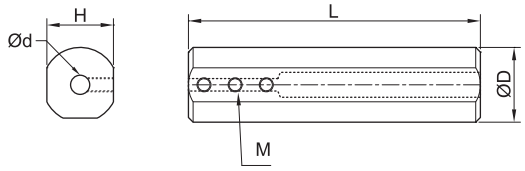


FIG-2

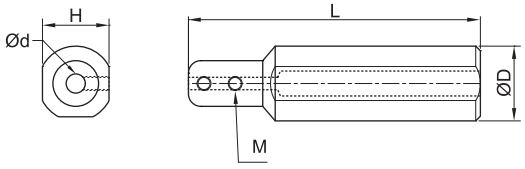


FIG-3

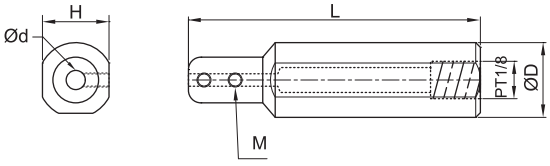


FIG-4

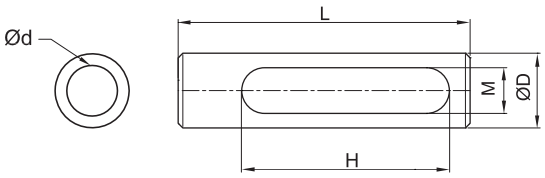


FIG-5

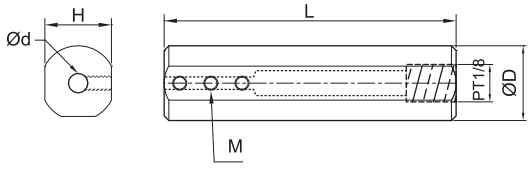
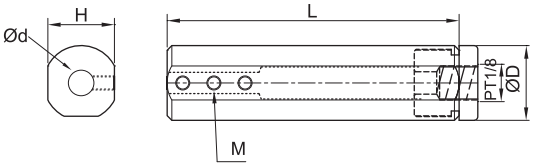


FIG-6



Metric

無水孔 Non-coolant	Shape	Dimensions,mm					Weight (kg)
		d	D	L	H	M	
SHB-1602	FIG-1	2	16	100	14	M4	0.13
SHB-1603	FIG-1	3					0.12
SHB-1604	FIG-1	4					0.12
SHB-1605	FIG-1	5					0.12
SHB-1606	FIG-1	6				M5	0.11
SHB-1607	FIG-1	7					0.11
SHB-1608	FIG-1	8					0.10
SHB-1610	FIG-1	10	16	100	15	M4	0.09
SHB-2002A	FIG-2	2	20	100	18	M3	0.20
SHB-2003A	FIG-2	3				M4	0.19
SHB-2004A	FIG-2	4				M4	0.19
SHB-2005	FIG-1	5				M5	0.21
SHB-2006	FIG-1	6				M5	0.21
SHB-2007	FIG-1	7				M5	0.21
SHB-2008	FIG-1	8				M5	0.21
SHB-2010	FIG-1	10				M5	0.16
SHB-2012	FIG-1	12				M5	0.14
SHB-2203A	FIG-2	3	22	100	20	M4	0.24
SHB-2204A	FIG-2	4					0.24
SHB-2205	FIG-1	5	22	100	20	M5	0.27
SHB-2206	FIG-1	6					0.26
SHB-2207	FIG-1	7					0.25
SHB-2208	FIG-1	8					0.24
SHB-2210	FIG-1	10					0.22
SHB-2212	FIG-1	12					0.20
SHB-2214	FIG-4	14	22	100	64	11	0.20
SHB-2216	FIG-4	16	22	100	92	10	0.13

Metric

無水孔 Non-coolant	水孔 Coolant	Shape	Dimensions,mm					Weight (kg)
			d	D	L	H	M	
	SHB-2203A PT02	FIG-3	3	22	110	20	M4	0.25
	SHB-2204A PT02	FIG-3	4					0.25
	SHB-2205 PT02	FIG-5	5				M5	0.29
	SHB-2206 PT02	FIG-5	6					0.29
	SHB-2207 PT02	FIG-5	7					0.29
	SHB-2208 PT02	FIG-6	8					0.23
	SHB-2210 PT02	FIG-6	10					0.22
	SHB-2212 PT02	FIG-6	12					0.22
SHB-2503		FIG-1	3	25	100	23	M4	0.36
SHB-2504		FIG-1	4					0.36
SHB-2505		FIG-1	5	25	100	23	M5	0.35
SHB-2506		FIG-1	6					0.35
SHB-2507		FIG-1	7					0.35
SHB-2508		FIG-1	8					0.33
SHB-2509		FIG-1	9					0.32
SHB-2510		FIG-1	10					0.31
SHB-2512		FIG-1	12					0.28
SHB-2516		FIG-1	16					0.22
SHB-2520		FIG-4	20	25	100	94	10	0.13

Inch

無水孔 Non-coolant	Shape	Dimensions,mm					Weight (kg)
		d	D	L	H	M	
SHBI-19.05-03	FIG-1	3	19.05	100	17	M4	0.17
SHBI-19.05-04	FIG-1	4					0.17
SHBI-19.05-05	FIG-1	5					0.17
SHBI-19.05-06	FIG-1	6	19.05	100	18	M5	0.17
SHBI-19.05-08	FIG-1	8					0.17
SHBI-19.05-10	FIG-1	10					0.14
SHBI-19.05-12	FIG-1	12			19	M5	0.12
SHBI-25.4-03	FIG-1	3	25.4	100	23.5	M4	0.38
SHBI-25.4-04	FIG-1	4					0.37
SHBI-25.4-05	FIG-1	5				M5	0.37
SHBI-25.4-06	FIG-1	6					0.35
SHBI-25.4-08	FIG-1	8					0.34
SHBI-25.4-10	FIG-1	10					0.31
SHBI-25.4-12	FIG-1	12					0.29
SHBI-25.4-16	FIG-1	16					0.23
SHBI-25.4-20	FIG-4	20	25.4	100	94	10	0.14

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FIG-1

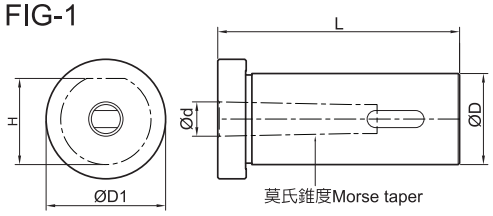


FIG-2

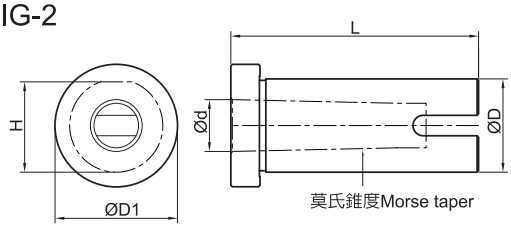


FIG-3

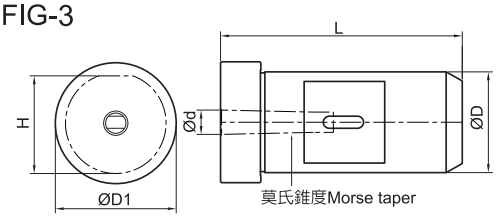
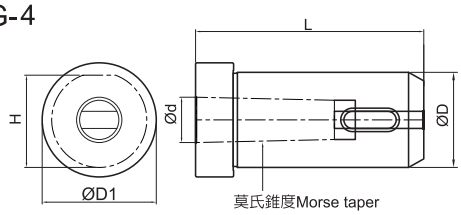


FIG-4



無水孔 Non-coolant	Shape	MT NO.	Dimensions,mm						Weight (kg)
			d	D	D1	L	H	M	
NC25-MTA1	FIG-2	MTA1	12.1	25	34	75	24	--	0.29
NC25-MTA2	FIG-2	MTA2	17.8			75	24	--	0.23
NC25-MTA3	FIG-2	MTA3	23.8			90	24	--	0.20
NC32-MTA1	FIG-1	MTA1	12.1	32	42	85	30.8	--	0.53
NC32-MTA2	FIG-2	MTA2	17.8			85	30.8	--	0.46
NC32-MTA3	FIG-2	MTA3	23.8			100	30.8	--	0.46
NC40-MTA1	FIG-1	MTA1	12.1	40	50	87	39	--	0.85
NC40-MTA2	FIG-2	MTA2	17.8			87	37	--	0.75
NC40-MTA3	FIG-2	MTA3	23.8			87	37	--	0.64
NC40-MTA4	FIG-2	MTA4	31.3			116	39	--	0.74
NC50-MTA1	FIG-3	MTA1	12.1	50	60	120	48.5	--	1.93
NC50-MTA2	FIG-4	MTA2	17.8			120	48.5	--	1.85
NC50-MTA3	FIG-4	MTA3	23.8			120	48.5	--	1.67
NC50-MTA4	FIG-2	MTA4	31.3			120	48.5	--	1.41
NC50-MTA5	FIG-2	MTA5	44.4			146	48.5	--	0.94

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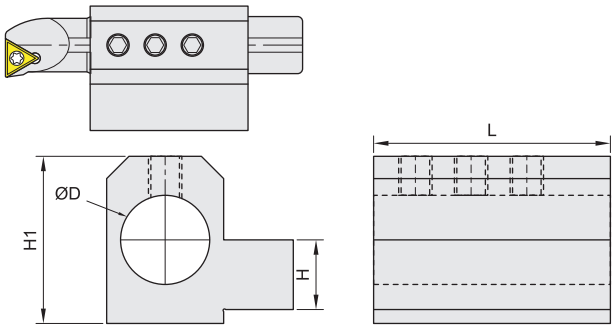
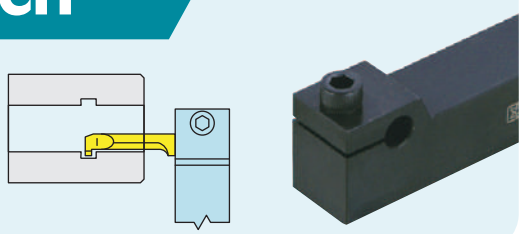
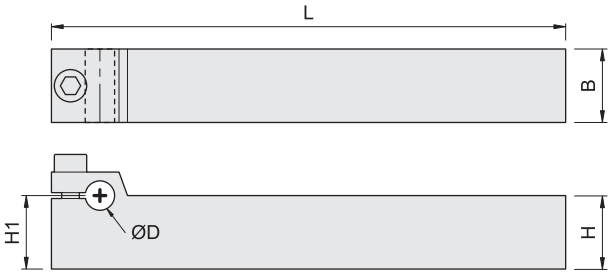
SBHA



Item code	Dimensions,mm				Screw	Wrench	Weight (kg)
	H	D	H1	L			
SBHA 16-32	16	32	55	85	HM1216	PL60	1.43
SBHA 20-32	20	32	55	85			1.46
SBHA 20-40	20	40	60	90			1.67
SBHA 25-32	25	32	60	85			1.78
SBHA 25-40	25	40	65	90			2.08
SBHA 32-40	32	40	72	90			2.62
NEW SBHA 25-50	25	50	78	110			3.67
NEW SBHA 32-50	32	50	80	110			4.25

CH





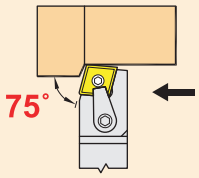
Item code	Dimensions,mm					Screw	Wrench	Weight (kg)
	D	H	B	L	H1			
CH-2020K-05	5	20	20	125	20	HTM625	PL50	0.46
CH-2020K-06	6							0.45
CH-2020K-08	8							0.45
CH-2020K-10	10							0.45
CH-2525M-05	5	25	25	150	25			0.84
CH-2525M-06	6							0.80
CH-2525M-08	8							0.80
CH-2525M-10	10							0.80
CH-2525M-12	12							0.80

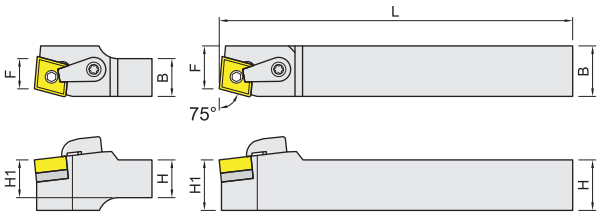
SHAN GIN

外·徑·車·刀

TOOLHOLDERS

MCBN



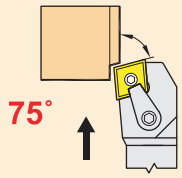


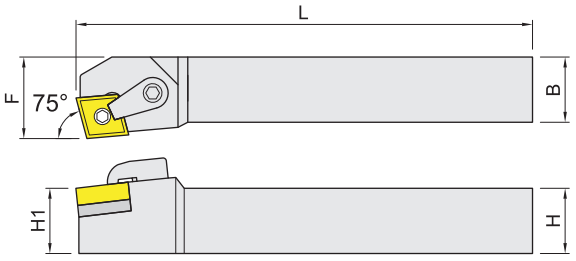
MCBNR/L-1616K-12

Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MCBNR/L-1616K-12	16	16	125	13	CN..1204..	MLP46-A	CMS432	PL25	MS625TX	MC620	ETL15	0.29
MCBNR/L-2020K-12	20	20	125	17								0.45
MCBNR/L-2525M-12	25	25	150	22					MS630TX			0.84
MCBNR/L-3232P-12	32	32	170	29								1.51

MCKN

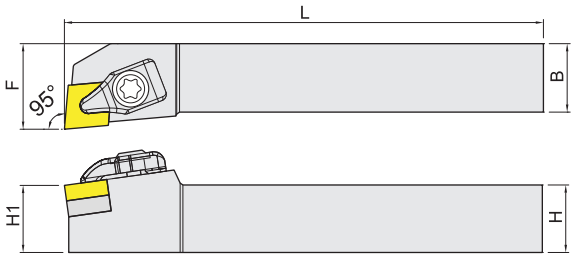




Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MCKNR/L-1616K-12	16	16	125	20	CN..1204..	MLP46-A	CMS432	PL25	MS625TX	MC620	ETL15	0.29
MCKNR/L-2020K-12	20	20	125	25								0.45
MCKNR/L-2525M-12	25	25	150	32					MS630TX			0.84
MCKNR/L-3232P-12	32	32	170	40								1.51

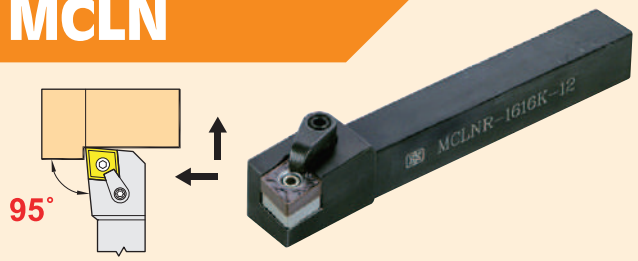
DCLN

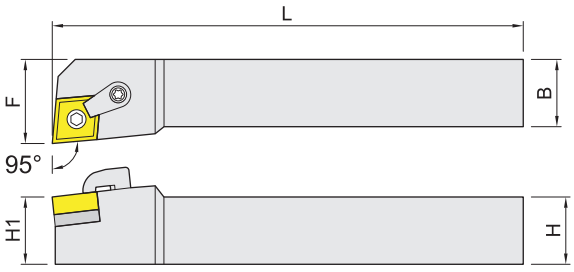


Right-hand shown

Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DCLNR/L-1616K-12	16	16	125	20	CN..1204..	CMS432	MS6011H	--	MCD425	ETL20	0.29
DCLNR/L-2020K-12	20	20	125	25							0.45
DCLNR/L-2525M-12	25	25	150	32							0.84
DCLNR/L-3232P-12	32	32	170	40							1.51

MCLN

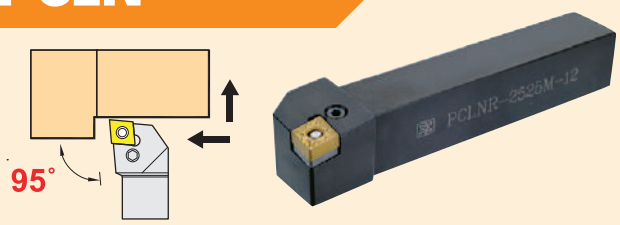


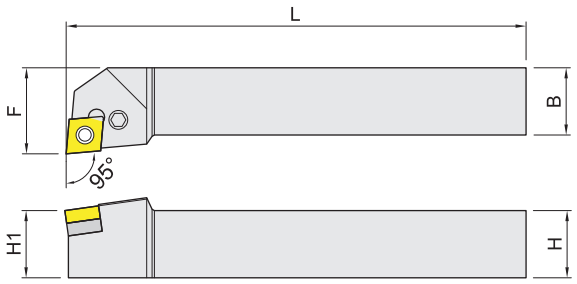


Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MCLNR/L-1616K-12	16	16	125	20	CN..1204..	MLP46-A	CMS432	PL25	MS625TX	MC620	ETL15	0.29
MCLNR/L-2020K-12	20	20	125	25								0.45
MCLNR/L-2525M-12	25	25	150	32					MS630TX			0.84
MCLNR/L-3232P-12	32	32	170	40								1.51

PCLN

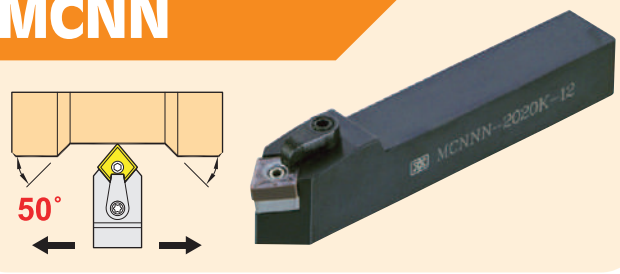


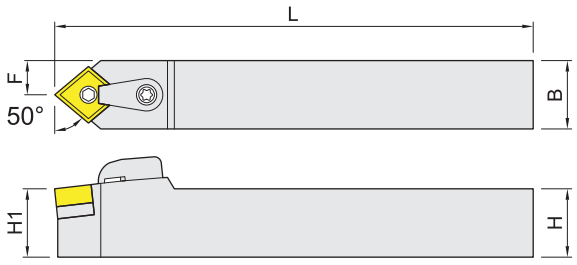


Right-hand shown

Item code	Dimensions,mm				Insert	Lever	Screw	Shim pin	Punch	Shim	Wrench	Weight Kg
	H(H1)	B	L	F								
PCLNR/L-2020K-12	20	20	125	25	CN..1204..	LCL4	LCS4	LSP4	PC0304	CPS422	PL30	0.45
PCLNR/L-2525M-12	25	25	150	32								0.84
PCLNR/L-3232P-12	32	32	170	40								1.51

MCNN

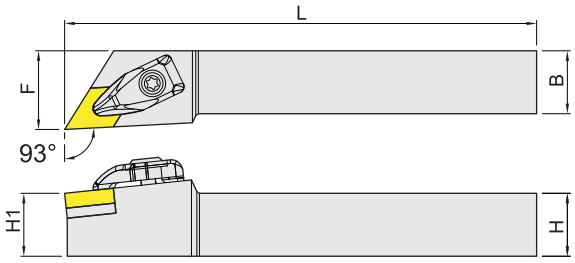




Neutral

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MCNNN-1616K-12	16	16	125	8	CN..1204..	MLP46-A	CMS432	PL25	MS625TX	MC620	ETL15	0.27
MCNNN-2020K-12	20	20	125	10								0.42
MCNNN-2525M-12	25	25	150	12.5					MS630TX			0.78
MCNNN-3232P-12	32	32	170	16								1.43

DDJN

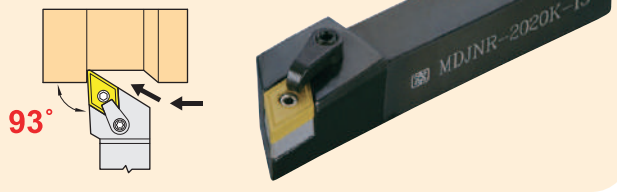


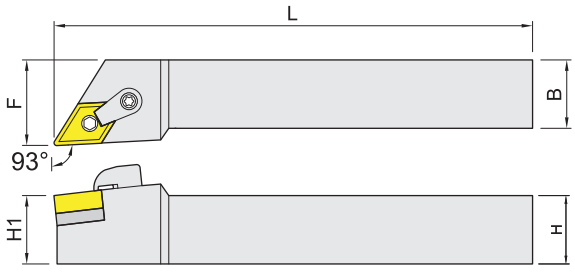
Right-hand shown

Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DDJNR/L-2020K-1504	20	20	125	25	DN..1504..	DMS442	MS6011H	--	MCD430	ETL20	0.45
DDJNR/L-2525M-1504	25	25	150	32							0.84
DDJNR/L-3232P-1504	32	32	170	40							1.51
DDJNR/L-2020K-1506	20	20	125	25	DN..1506..	DMS432	MS6011H	--	MCD430	ETL20	0.45
DDJNR/L-2525M-1506	25	25	150	32							0.84
DDJNR/L-3232P-1506	32	32	170	40							1.51

※此刀架本體共用。The tool is basically the same, only difference in shims.

MDJN



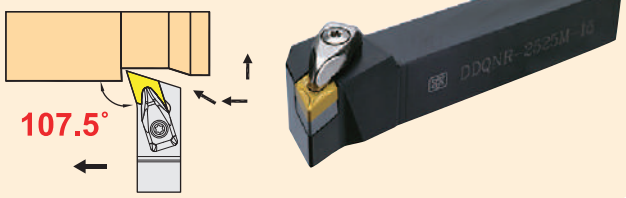


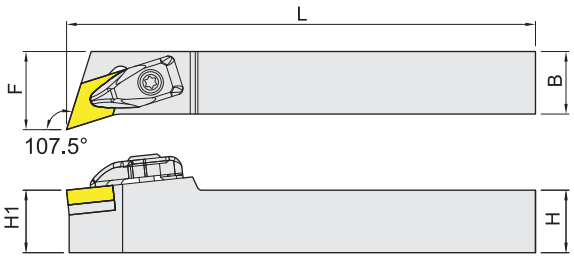
Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MDJNR/L-2020K-1504	20	20	125	25	DN..1504..	MLP46L-A	DMS442	PL25	MS625TX	MC622	ETL15	0.45
MDJNR/L-2525M-1504	25	25	150	32					MS630TX			0.84
MDJNR/L-2020K-1506	20	20	125	25	DN..1506..	MLP46L-A	DMS432	PL25	MS625TX	MC622	ETL15	0.45
MDJNR/L-2525M-1506	25	25	150	32					MS630TX			0.84

※此刀架本體共用。The tool is basically the same, only difference in shims.

DDQN



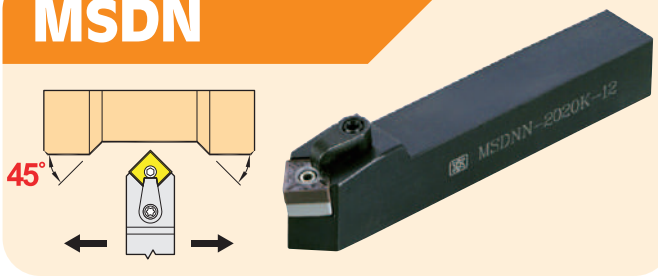


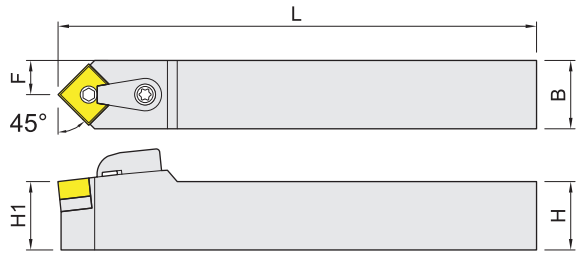
Right-hand shown

Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DDQNR/L-2020K-1504	20	20	125	25	DN..1504..	DMS442	MS6011H	--	MCD430	ETL20	0.45
DDQNR/L-2525M-1504	25	25	150	32							0.84
DDQNR/L-3232P-1504	32	32	170	40							1.51
DDQNR/L-2020K-1506	20	20	125	25	DN..1506..	DMS432	MS6011H	--	MCD430	ETL20	0.45
DDQNR/L-2525M-1506	25	25	150	32							0.84
DDQNR/L-3232P-1506	32	32	170	40							1.51

※此刀架本體共用。The tool is basically the same, only difference in shims.

MSDN

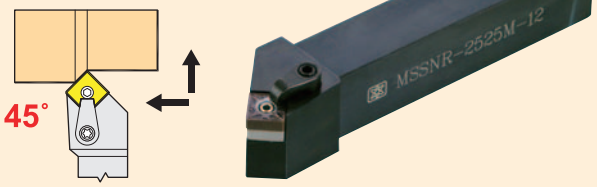


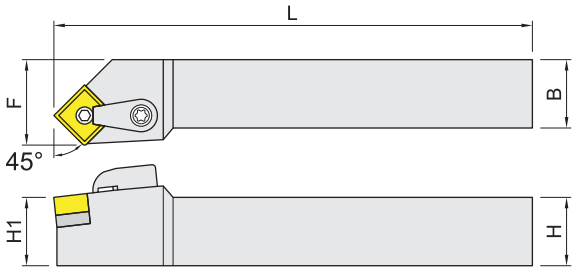


Neutral

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MSDNN-1616K-12	16	16	125	8	SN..1204..	MLP46-A	SMS432	PL25	MS625TX	MC620	ETL15	0.26
MSDNN-2020K-12	20	20	125	10								0.41
MSDNN-2525M-12	25	25	150	12.5					MS630TX			0.77

MSSN

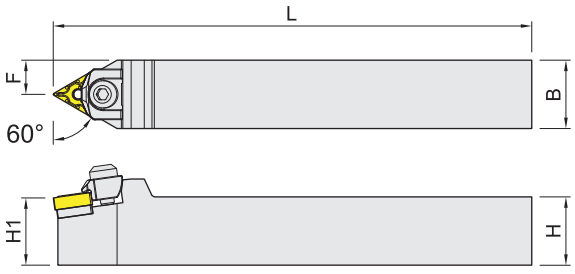




Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MSSNR/L-1616K-12	16	16	125	20	SN..1204..	MLP46-A	SMS432	PL25	MS625TX	MC620	ETL15	0.29
MSSNR/L-2020K-12	20	20	125	25								0.45
MSSNR/L-2525M-12	25	25	150	32					MS630TX			0.84

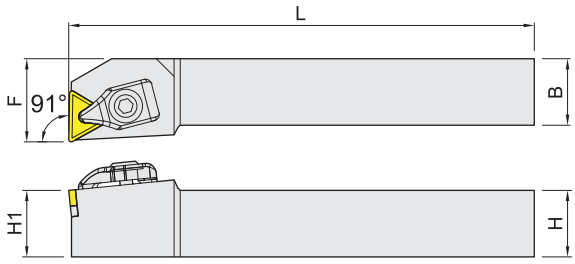
MTEN



Neutral

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MTENN-1216K-16	12	16	125	8	TN..1604..	MCP3	TWS322	PL30	MCS3S-09	MCW3-P40	PL40	0.14
MTENN-1616K-16	16	16	125	8								0.29
MTENN-2020K-16	20	20	125	10								0.45
MTENN-2525M-16	25	25	150	12.5								0.84
NEW **MTENN-2525M-22**	25	25	150	12.5	TN..2204..	MCP4-A	TWS432	PL30	MCS3S-11	MCW4-P40	PL40	0.75
NEW **MTENN-3232P-22**	32	32	170	16								1.32

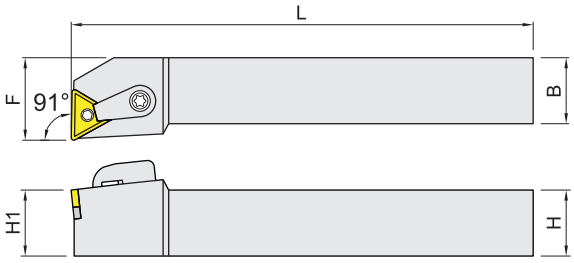
DTFN



Right-hand shown

Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DTFNR/L-1616K-16	16	16	125	20	TN..1604..	TWS322	MS4008H	PL25	MCD324B	PL40	0.29
DTFNR/L-2020K-16	20	20	125	25							0.45
DTFNR/L-2525M-16	25	25	150	32							0.84
DTFNR/L-3232P-16	32	32	170	40							1.51

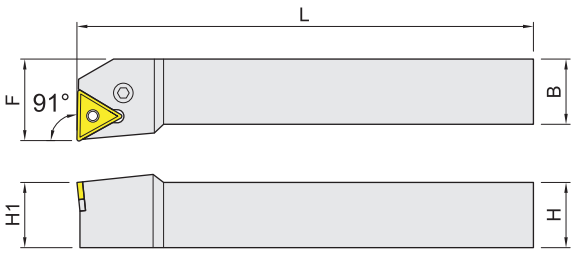
MTFN



Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MTFNR/L-1616K-16	16	16	125	20	TN..1604..	MLP34L-A	TMS322	PL20	MS625TX	MC620	ETL15	0.29
MTFNR/L-2020K-16	20	20	125	25								0.45
MTFNR/L-2525M-16	25	25	150	32					MS630TX			0.84

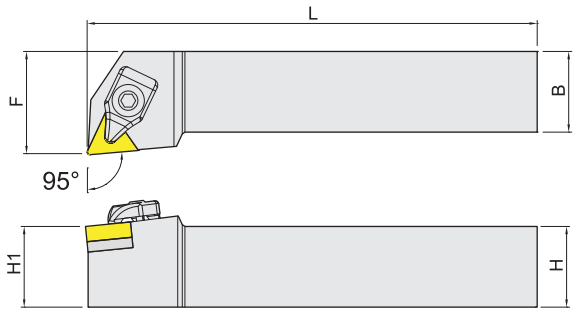
PTFN



Right-hand shown

Item code	Dimensions,mm				Insert	Lever	Screw	Shim pin	Punch	Shim	Wrench	Weight Kg
	H(H1)	B	L	F								
PTFNR/L-2020K-16	20	20	125	25	TN..1604..	LCL33	LCS3	LSP3	PC0304	TPS322	PL25	0.45
PTFNR/L-2525M-16	25	25	150	32								0.84

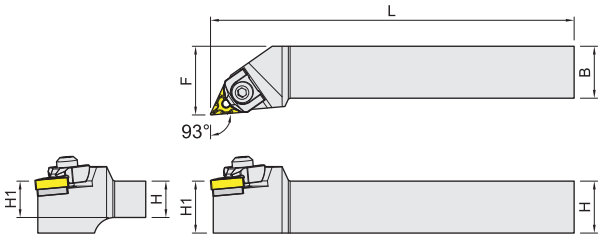
DTJN



Right-hand shown

Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DTJNR/L-2020K-16	20	20	125	25	TN..1604..	TWS322	MS4008H	PL25	MCD324B	PL40	0.45
DTJNR/L-2525M-16	25	25	150	32							0.84
DTJNR/L-3232P-16	32	32	170	40							1.51

MTJN

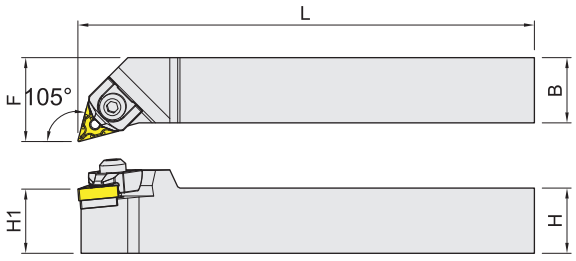


MTJNR-1216K-16

Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Screw	Wrench	Shim	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MTJNR/L-1216K-16	12	16	125	21	TN..1604..	MCP3	MCS3S-11	PL30	TWS322	MCW3-P40	PL40	0.14
MTJNR/L-1616K-16	16	16	125	21								0.29
MTJNR/L-2020K-16	20	20	125	25								0.45
MTJNR/L-2525M-16	25	25	150	32								0.84
MTJNR/L-3232P-16	32	32	170	40								1.51
MTJNR/L-2525M-22	25	25	150	32	TN..2204..	MCP4-A	MCS3S-11	PL30	TWS432	MCW4A-P40	PL40	0.84
MTJNR/L-3232P-22	32	32	170	40								1.51

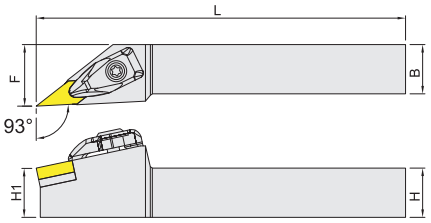
MTQN



Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Screw	Wrench	Shim	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MTQNR/L-2020K-16	20	20	125	25	TN..1604..	MCP3	MCS3S-11	PL30	TWS322	MCW3-P40	PL40	0.45
MTQNR/L-2525M-16	25	25	150	32								0.84
MTQNR/L-3232P-16	32	32	170	40								1.51

DVJN

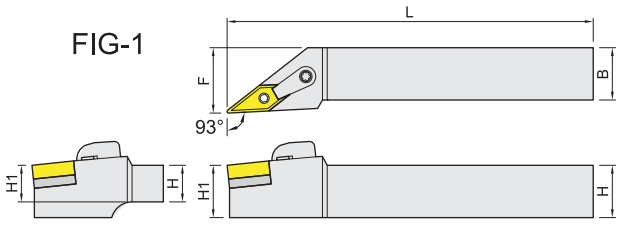


Right-hand shown

Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DVJNR/L-2020K-16	20	20	125	25	VN..1604..	VMS322	MDS050H65T	PL35	MCD331	ETL20	0.45
DVJNR/L-2525M-16	25	25	150	32							0.84
DVJNR/L-3232P-16	32	32	170	40							1.51

MVJN

FIG-1

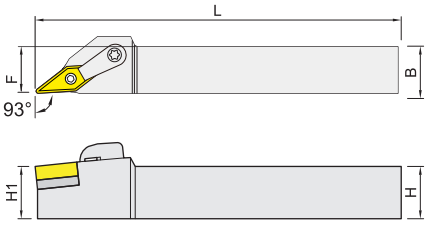


MVJNR/L-1216K-16

Right-hand shown

MVJ2N

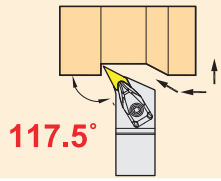
FIG-2

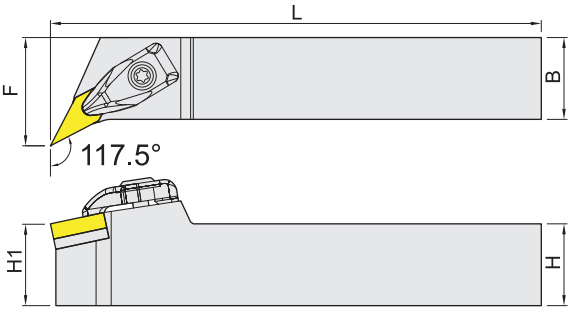


Right-hand shown

FIG-1 Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MVJNR/L-1216K-16	12	16	125	22	VN..1604..	MLP34L-A	VMS322	PL20	MS625TX	MC622	ETL15	0.14
MVJNR/L-1616K-16	16	16	125	22								0.29
MVJNR/L-2020K-16	20	20	125	25								0.45
MVJNR/L-2525M-16	25	25	150	32					MS630TX			0.84
MVJNR/L-3232P-16	32	32	170	40								1.51
FIG-2 Item code												
NEW **MVJ2NR-1216K-16**	12	16	125	16	VN..1604..	MLP34L-A	VMS322	PL20	MS625TX	MC622	ETL15	0.14
NEW **MVJ2NR-1616K-16**	16	16	125	16								0.29

DVQN

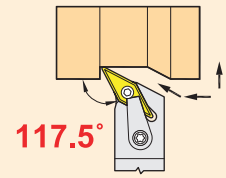


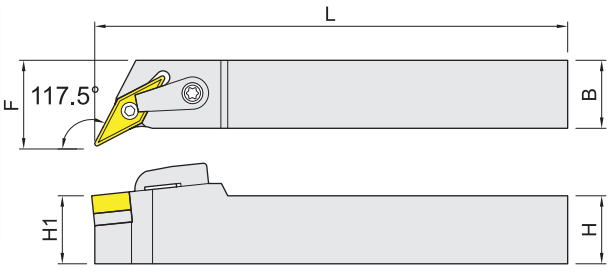


Right-hand shown

Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DVQNR/L-2020K-16	20	20	125	25	VN..1604..	VMS322	MDS050H65T	PL35	MCD331	ETL20	0.45
DVQNR/L-2525M-16	25	25	150	32							0.84
DVQNR/L-3232P-16	32	32	170	40							1.51

MVQN

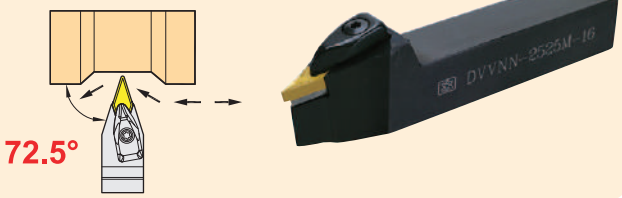


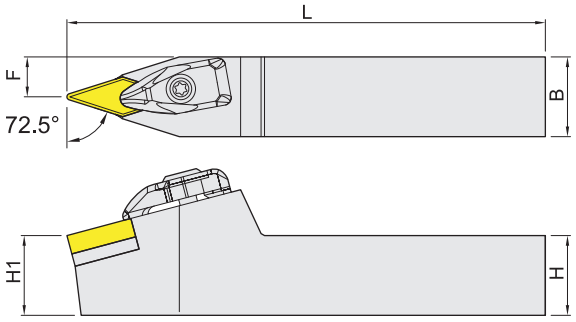


Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MVQNR/L-2020K-16	20	20	125	25	VN..1604..	MLP34L-A	VMS322	PL20	MS625TX	MC622	ETL15	0.45
MVQNR/L-2525M-16	25	25	150	32					MS630TX			0.84
MVQNR/L-3232P-16	32	32	170	40								1.51

DVVNN

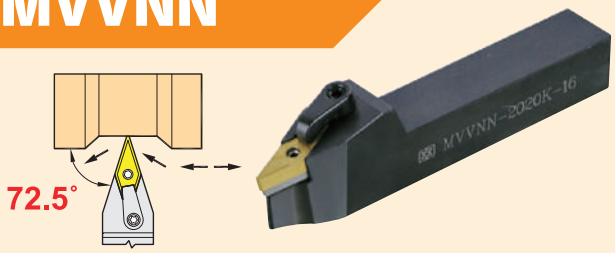


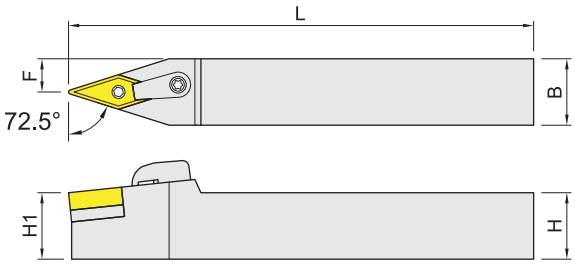


Neutral

Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DVVNN-1616K-16	16	16	125	8	VN..1604..	VMS322	MDS050H65T	PL35	MCD331	ETL20	0.29
DVVNN-2020K-16	20	20	125	10							0.45
DVVNN-2525M-16	25	25	150	12.5							0.84
DVVNN-3232P-16	32	32	170	16							1.51

MVVNN

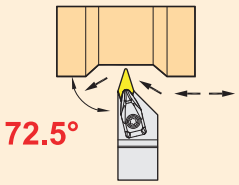


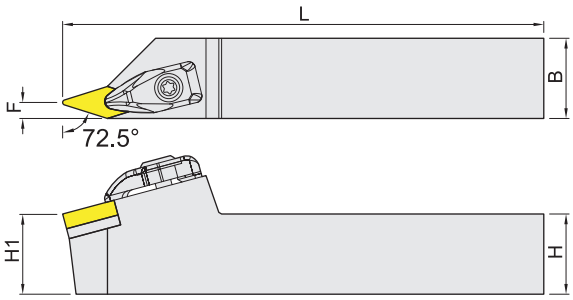


Neutral

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MVVNN-1616K-16	16	16	125	8	VN..1604..	MLP34L-A	VMS322	PL20	MS625TX	MC622	ETL15	0.29
MVVNN-2020K-16	20	20	125	10								0.45
MVVNN-2525M-16	25	25	150	12.5					MS630TX			0.84

DVVNR

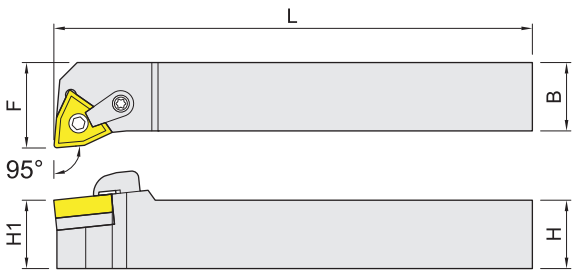




Right-hand shown

Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DVVNR-2020K-16	20	20	125	5	VN..1604..	VMS322	MDS050H65T	PL35	MCD331	ETL20	0.45
DVVNR-2525M-16	25	25	150	5							0.84
DVVNR-3232P-16	32	32	170	5							1.51

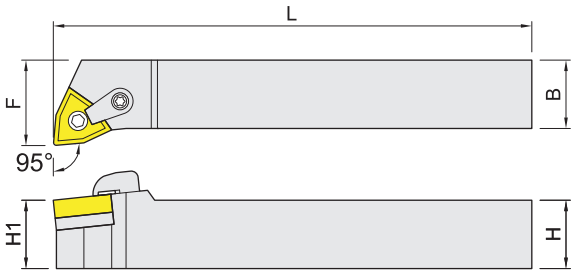
MWLN



Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MWLNR/L-2020K-08	20	20	125	25	WN..0804..	MLP46-A	WMS432	PL25	MS625TX	MC620	ETL15	0.45
MWLNR/L-2525M-08	25	25	150	32					MS630TX			0.84
MWLNR/L-3232P-08	32	32	170	40								1.51

MWLN-N



Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
MWLNR/L-2020K-08N	20	20	125	25	WN..0804..	MLP46-A	WMS432	PL25	MS625TX	MC620	ETL15	0.45
MWLNR/L-2525M-08N	25	25	150	32					MS630TX			0.84

DWLN

FIG-1

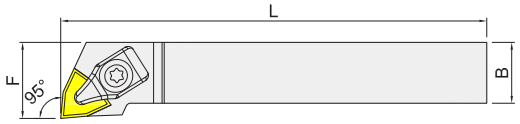
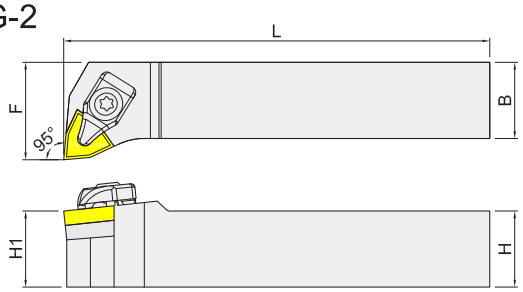


FIG-2

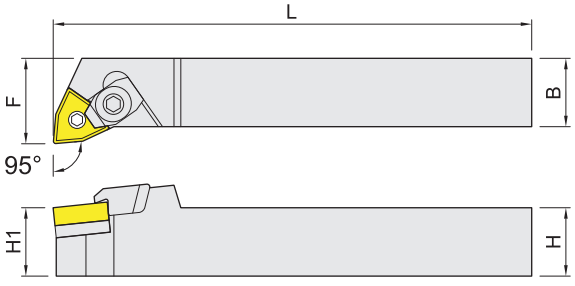


Right-hand shown

FIG-1 Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DWLNR/L-2020K-08N	20	20	125	25	WN..0804..	WMS432	MS6011H	--	MCD425	ETL20	0.45

FIG-2 Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F							
DWLNR/L-2525M-08	25	25	150	32	WN..0804..	WMS432	MS6011H	--	MCD425	ETL20	0.84
DWLNR/L-3232P-08	32	32	170	40							1.51

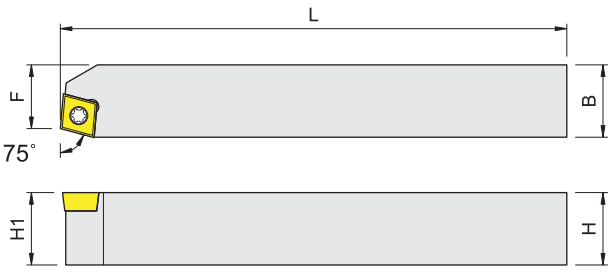
WWLN



Right-hand shown

Item code	Dimensions,mm				Insert	Pin	Screw	Wrench	Shim	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
WWLNR/L-1620K-08	16	20	125	25	WN..0804..	MCP4	MCS3S-09	PL30	WMS432	WCW6-P4	PL40	0.31
WWLNR/L-2020K-08	20	20	125	25								0.45
WWLNR/L-2525M-08	25	25	150	32								0.84

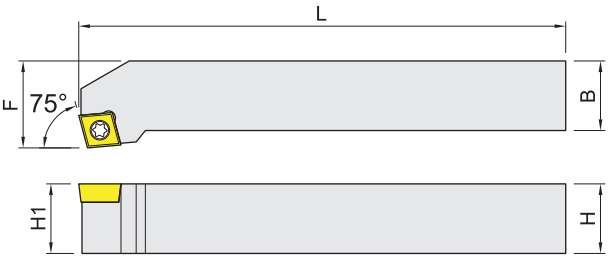
SCBC



Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SCBCR/L-1616K-09	16	16	125	13.5	CC..09T3..	MS4011A	ETF15	0.26
SCBCR/L-2020K-09	20	20	125	17.5				0.41
SCBCR/L-2525M-09	25	25	150	22.5				0.74

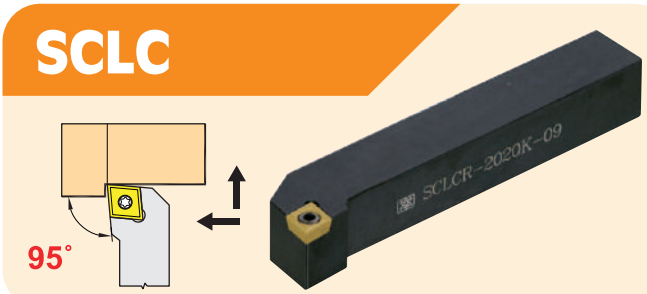
SCKC

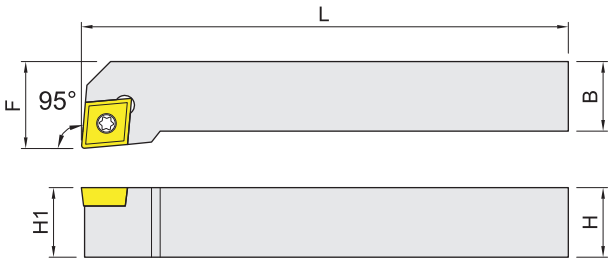


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SCKCR/L-1212K-09	12	12	125	16	CC..09T3..	MS4011A	ETF15	0.15
SCKCR/L-1616K-09	16	16	125	20				0.26
SCKCR/L-2020K-09	20	20	125	25				0.41
SCKCR/L-2525M-09	25	25	150	32				0.77

SCLC

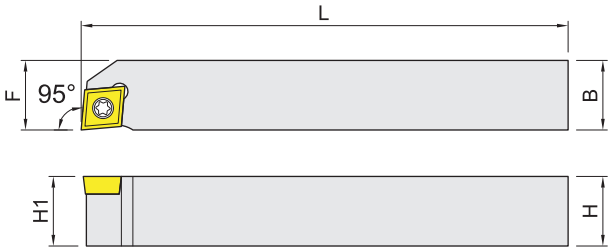




Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SCLCR/L-1010H-06	10	10	100	12	CC..0602..	MS2506A	ETF09	0.08
SCLCR/L-1010K-06	10	10	125	12				0.11
SCLCR/L-1212H-09	12	12	100	16	CC..09T3..	MS4011A	ETF15	0.11
SCLCR/L-1212K-09	12	12	125	16				0.14
SCLCR/L-1616K-09	16	16	125	20				0.26
SCLCR/L-2020K-09	20	20	125	25				0.41
SCLCR/L-2525M-09	25	25	150	32				0.77
SCLCR/L-2020K-12	20	20	125	25	CC..1204..	MS5011A	ETF20	0.41
SCLCR/L-2525M-12	25	25	150	32				0.77
SCLCR/L-3232P-12	32	32	170	40				1.43

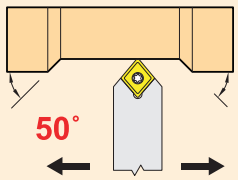
SCL2C

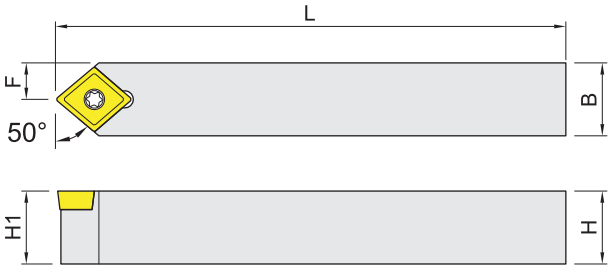


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SCL2CR/L-0808H-06	8	8	100	8	CC..0602..	MS2506A	ETF09	0.07
SCL2CR/L-1010H-06	10	10	100	10				0.08
SCL2CR/L-1212H-09	12	12	100	12	CC..09T3..	MS4011A	ETF15	0.12
SCL2CR/L-1616K-09	16	16	125	16				0.26
SCL2CR/L-2020K-09	20	20	125	20				0.41
SCL2CR/L-2525M-09	25	25	150	25				0.77

SCNC

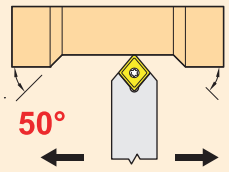


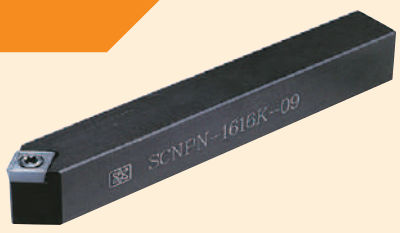


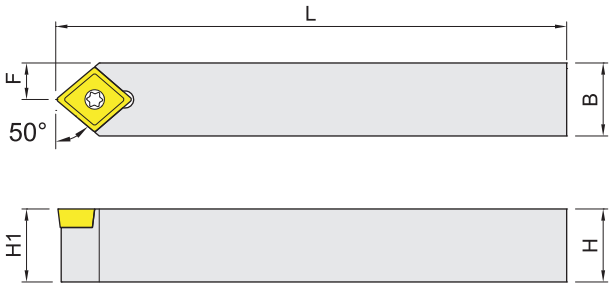
Neutral

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SCNCN-1616K-06	16	16	125	8	CC..0602..	MS2506A	ETF09	0.26
SCNCN-1212H-09	12	12	100	6	CC..09T3..	MS4011A	ETF15	0.12
SCNCN-1212K-09	12	12	125	6				0.17
SCNCN-1616K-09	16	16	125	8				0.26
SCNCN-2020K-09	20	20	125	10				0.41
SCNCN-2525M-09	25	25	150	12.5				0.77
SCNCN-1616K-12	16	16	125	8	CC..1204..	MS5011A	ETF20	0.26
SCNCN-2020K-12	20	20	125	10				0.41
SCNCN-2525M-12	25	25	150	12.5				0.77

SCNP



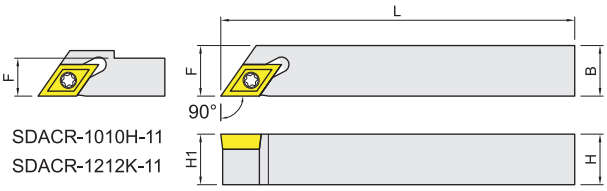




Neutral

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SCNPN-1212K-09	12	12	125	6	CP..0903..	MS4011A	ETF15	0.15
SCNPN-1616K-09	16	16	125	8				0.26
SCNPN-2020K-09	20	20	125	10				0.41
SCNPN-2525M-09	25	25	150	12.5				0.77

SDAC

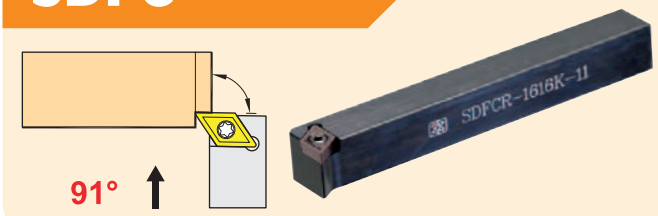


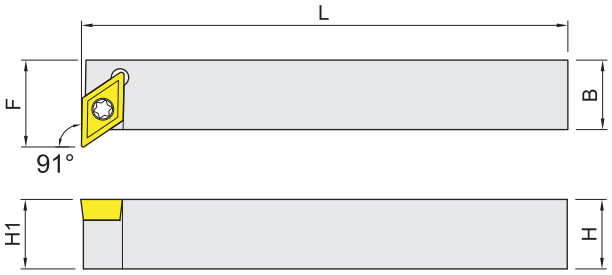
SDACR-1010H-11
SDACR-1212K-11

Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SDACR/L-1010H-07	10	10	100	10	DC..0702..	MS2506B	ETF09	0.08
SDACR/L-1212K-07	12	12	125	12				0.14
SDACR/L-1616K-07	16	16	125	16				0.25
SDACR-4.4K-07	12.7	12.7	125	12.7				0.16
SDACR-1010H-11	10	10	100	10	DC..11T3..	MS4009A	ETF15	0.08
SDACR-1212K-11	12	12	125	12		MS4011A		0.14
SDACR-1616K-11	16	16	125	16				0.25
SDACR-2020K-11	20	20	125	20				0.39

SDFC

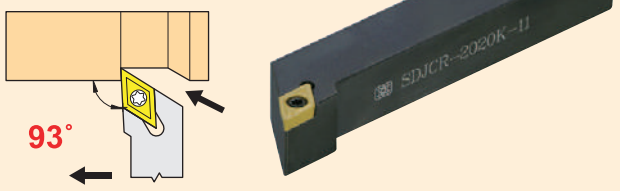


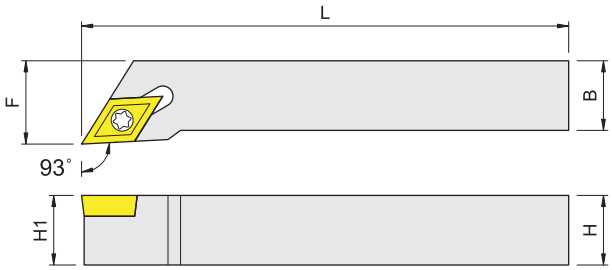


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SDFCR/L-1212K-07	12	12	125	16	DC..0702..	MS2506B	ETF09	0.15
SDFCR/L-1212K-11	12	12	125	19	DC..11T3..	MS4011A	ETF15	0.15
SDFCR/L-1616K-11	16	16	125	20				0.26

SDJC

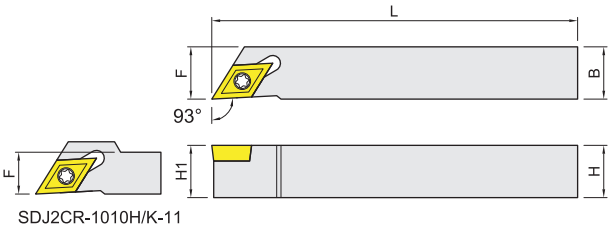




Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SDJCR/L-1010H-07	10	10	100	12	DC..0702..	MS2506B	ETF09	0.08
SDJCR/L-1212H-07	12	12	100	16				0.12
SDJCR/L-1212K-07	12	12	125	16				0.15
SDJCR/L-1616K-07	16	16	125	20				0.26
SDJCR/L-2020K-07	20	20	125	25				0.41
SDJCR/L-1010K-11	10	10	125	12	DC..11T3..	MS4009A	ETF15	0.08
SDJCR/L-1212H-11	12	12	100	16		MS4011A		0.12
SDJCR/L-1212K-11	12	12	125	16				0.15
SDJCR/L-1616K-11	16	16	125	20				0.26
SDJCR/L-2020K-11	20	20	125	25				0.41
SDJCR/L-2525M-11	25	25	150	32				0.77
SDJCR/L-3232P-11	32	32	170	40				1.37

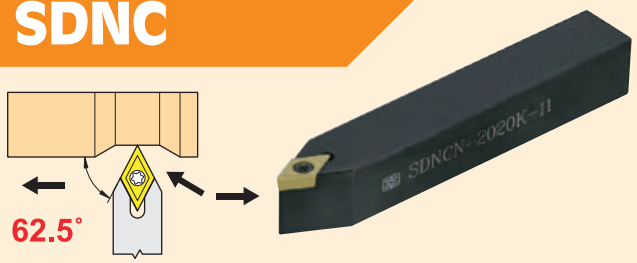
SDJ2C

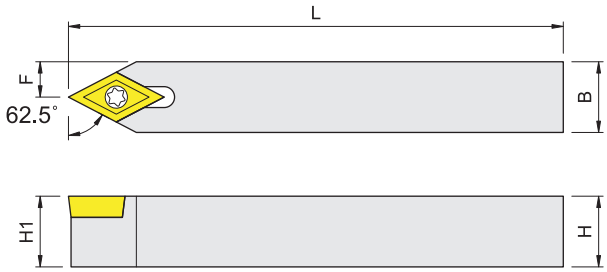


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SDJ2CR/L-0808H-07	8	8	100	8	DC..0702..	MS2506B	ETF09	0.06
SDJ2CR/L-1010H-07	10	10	100	10				0.08
SDJ2CR-1010K-07	10	10	125	10				0.12
SDJ2CR/L-1212H-07	12	12	100	12				0.12
SDJ2CR/L-1212K-07	12	12	125	12				0.15
SDJ2CR/L-1616K-07	16	16	125	16				0.25
SDJ2CR/L-2020K-07	20	20	125	20				0.39
SDJ2CR/L-2525M-07	25	25	150	25				0.74
SDJ2CR/L-1010H-11	10	10	100	10	DC..11T3..	MS4009A	ETF15	0.08
SDJ2CR/L-1010K-11	10	10	125	10				0.12
SDJ2CR/L-1212H-11	12	12	100	12		MS4011A		0.12
SDJ2CR/L-1212K-11	12	12	125	12				0.15
SDJ2CR/L-1616K-11	16	16	125	16				0.25
SDJ2CR/L-2020K-11	20	20	125	20				0.39
SDJ2CR/L-2525M-11	25	25	150	25				0.74
SDJ2CR/L-3232P-11	32	32	170	32				1.43

SDNC

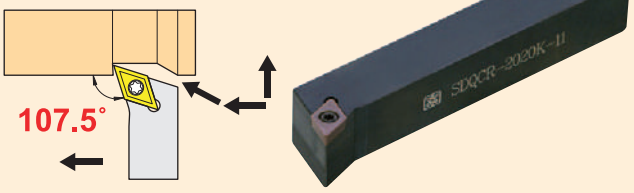


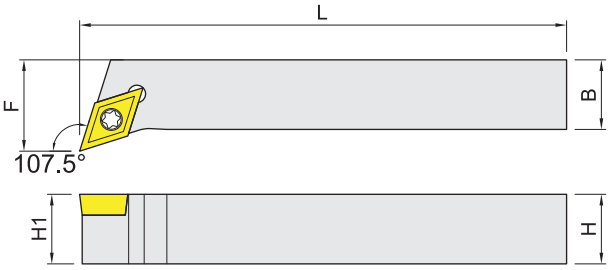


Neutral

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SDNCN-1010H-07	10	10	100	5	DC..0702..	MS2506B	ETF09	0.08
SDNCN-1212H-07	12	12	100	6				0.12
SDNCN-1616K-07	16	16	125	8				0.26
SDNCN-1212H-11	12	12	100	6	DC..11T3..	MS4011A	ETF15	0.12
SDNCN-1212K-11	12	12	125	6				0.15
SDNCN-1616K-11	16	16	125	8				0.26
SDNCN-2020K-11	20	20	125	10				0.41
SDNCN-2525M-11	25	25	150	12.5				0.77

SDQC

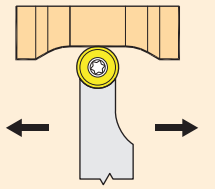


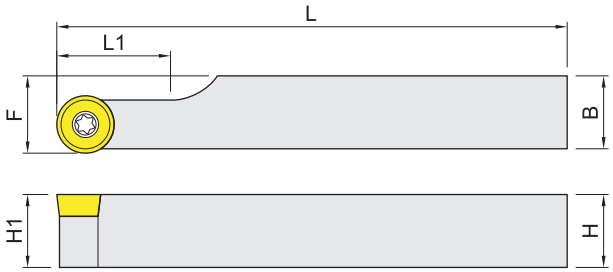


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SDQCR/L-1212H-11	12	12	100	16	DC..11T3..	MS4011A	ETF15	0.12
SDQCR/L-1616K-11	16	16	125	20				0.26
SDQCR/L-2020K-11	20	20	125	25				0.41
SDQCR/L-2525M-11	25	25	150	32				0.77

SRAC

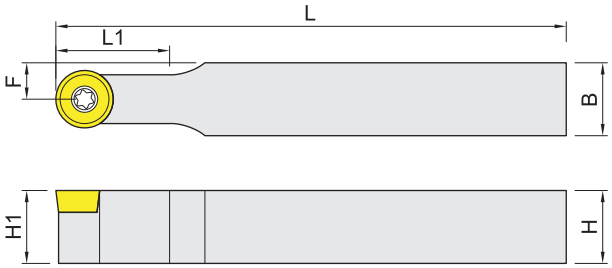




Right-hand shown

Item code	Dimensions,mm					Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	L1				
SRACR/L-1010H-05	10	10	100	10.3	10.5	RC..0502..	MS2206A	ETF07	0.08
SRACR/L-1212H-05	12	12	100	12.3	10.5				0.12
SRACR/L-1616K-05	16	16	125	16.3	10.5				0.26
SRACR/L-2020K-05	20	20	125	20.3	10.5				0.41
SRACR/L-2525M-05	25	25	150	25.3	10.5				0.77
SRACR/L-1010H-06	10	10	100	10.3	11	RC..0602..	MS2506A	ETF09	0.08
SRACR/L-1212H-06	12	12	100	12.3	11				0.12
SRACR/L-1616K-06	16	16	125	16.3	11				0.26
SRACR/L-2020K-06	20	20	125	20.3	11				0.41
SRACR/L-2525M-06	25	25	150	25.3	11				0.77
SRACR/L-1212K-08	12	12	125	12.4	14	RC..0803..	MS3008A	ETF09	0.15
SRACR/L-1616K-08	16	16	125	16.4	14				0.26
SRACR/L-2020K-08	20	20	125	20.4	15				0.41
SRACR/L-2525M-08	25	25	150	25.4	15				0.77
SRACR-3.4H-08	9.5	12.7	100	13.1	14				0.10
SRACR/L-1212K-1003	12	12	125	12.4	20	RC..1003..	MS3008A	ETF09	0.15
SRACR/L-1616K-1003	16	16	125	16.4	20				0.26
SRACR/L-2020K-1003	20	20	125	20.4	20				0.41
SRACR/L-2525M-1003	25	25	150	25.4	20				0.77

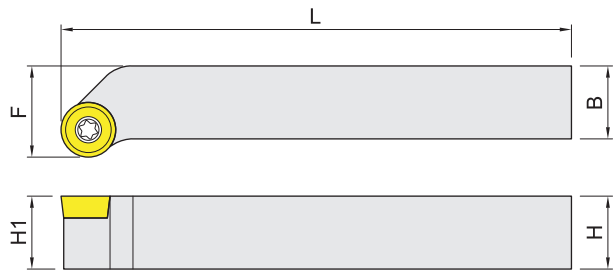
SRDC



Neutral

Item code	Dimensions,mm					Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	L1				
SRDCN-1010H-05	10	10	100	5	10.5	RC..0502..	MS2206A	ETF07	0.08
SRDCN-1212K-05	12	12	125	6	10.5				0.15
SRDCN-1616K-05	16	16	125	8	10.5				0.26
SRDCN-2020K-05	20	20	125	10	10.5				0.41
SRDCN-2525M-05	25	25	150	12.5	10.5				0.77
SRDCN-1010K-06	10	10	125	5	12	RC..0602..	MS2506A	ETF09	0.11
SRDCN-1212K-06	12	12	125	6	12				0.15
SRDCN-1616K-06	16	16	125	8	12				0.26
SRDCN-2020K-06	20	20	125	10	12				0.41
SRDCN-2525M-06	25	25	150	12.5	12				0.77
SRDCN-3.4H-06	9.5	12.7	100	6.35	13				0.09
SRDCN-1012H-08	10	12	100	6	12	RC..0803..	MS3008A	ETF09	0.09
SRDCN-1212H-08	12	12	100	6	12				0.12
SRDCN-1212K-08	12	12	125	6	12				0.15
SRDCN-1616K-08	16	16	125	8	12				0.26
SRDCN-2020K-08	20	20	125	10	12				0.41
SRDCN-2525M-08	25	25	150	12.5	12				0.77
SRDCN-1212K-1003	12	12	125	6	20	RC..1003..	MS3008A	ETF09	0.15
SRDCN-1616K-1003	16	16	125	8	20				0.26
SRDCN-2020K-1003	20	20	125	10	20				0.41
SRDCN-2525M-1003	25	25	150	12.5	20				0.77
SRDCN-3232P-1003	32	32	170	16	20				1.43

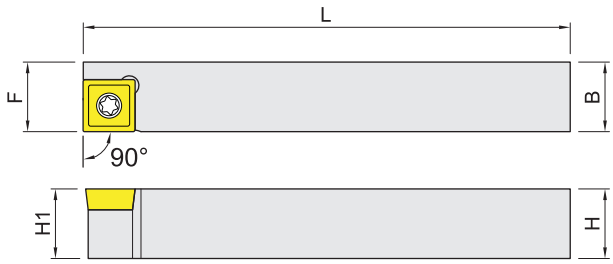
SRGC



Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SRGCR/L-1212K-06	12	12	125	16	RC..0602..	MS2506A	ETF09	0.15
SRGCR/L-1616K-06	16	16	125	20				0.26
SRGCR/L-2020K-06	20	20	125	25				0.41
SRGCR/L-2525M-06	25	25	150	32				0.71
SRGCR/L-1616K-08	16	16	125	20	RC..0803..	MS3008A	ETF09	0.26
SRGCR/L-2020K-08	20	20	125	25				0.41
SRGCR/L-2525M-08	25	25	150	32				0.77
SRGCR-10.4H-08	10	12.7	100	16				0.10

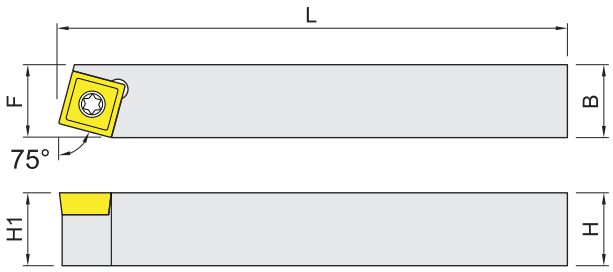
SSAC



Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SSACR/L-3.4H-09	9.5	12.7	100	12.7	SC..09T3..	MS4009A	ETF15	0.09
SSACR/L-4.4H-09	12.7	12.7	100	12.7		MS4011A		0.13
SSACR-1212H-09	12	12	100	12				0.12
SSACR/L-1616K-09	16	16	125	16				0.26

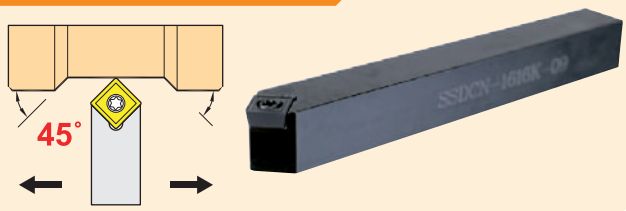
SSBC

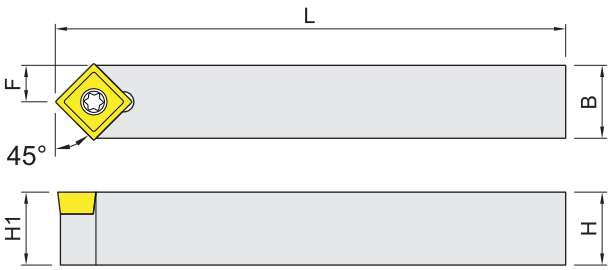


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SSBCR/L-3.4H-09	9.5	12.7	100	12.7	SC..09T3..	MS4009A	ETF15	0.09
SSBCR/L-4.4H-09	12.7	12.7	100	12.7		MS4011A		0.13
SSBCR/L-1212H-09	12	12	100	12				0.12

SSDC

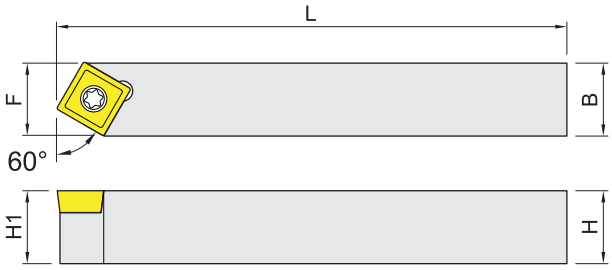




Neutral

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SSDCN-3.4H-09	9.5	12.7	100	6.35	SC..09T3..	MS4009A	ETF15	0.09
SSDCN-4.4H-09	12.7	12.7	100	6.35		MS4011A		0.13
SSDCN-1212H-09	12	12	100	6				0.12
SSDCN-1616K-09	16	16	125	8				0.26
SSDCN-2020K-09	20	20	125	10				0.41
SSDCN-2525M-09	25	25	150	12.5				0.77

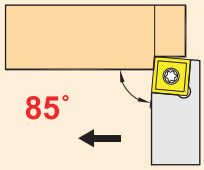
SSEC

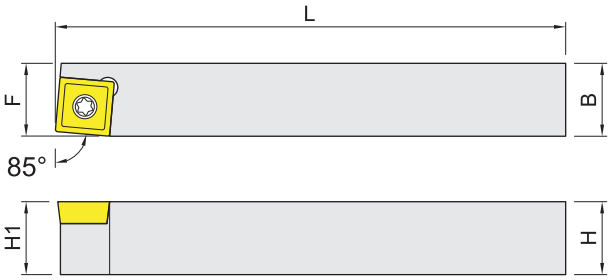


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SSECR/L-3.4H-09	9.5	12.7	100	12.7	SC..09T3..	MS4009A	ETF15	0.09
SSECR/L-4.4H-09	12.7	12.7	100	12.7		MS4011A		0.13
SSECR/L-1212H-09	12	12	100	12				0.12

SSXC

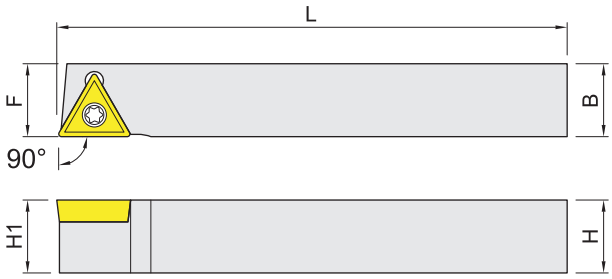




Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
SSXCR-3.4H-09	9.5	12.7	100	12.7	SC..09T3..	MS4009A	ETF15	0.09

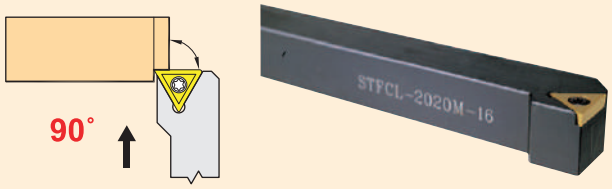
STAC

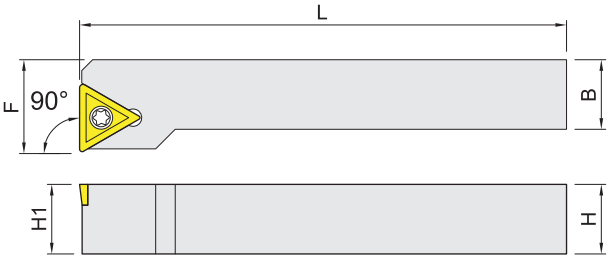


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
STACR-1010H-11	10	10	100	10	TC..1102..	MS2506A	ETF09	0.08
STACR-1212H-11	12	12	100	12				0.12
STACR-1616K-11	16	16	125	16				0.26
STACR-3.4H-11	9.5	12.7	100	12.7				0.09
STACR-4.4H-11	12.7	12.7	100	12.7				0.13
STACR-1616K-16	16	16	125	16	TC..16T3..	MS4011A	ETF15	0.26
STACR-4.16K-16	12.7	16	125	16				0.25

STFC

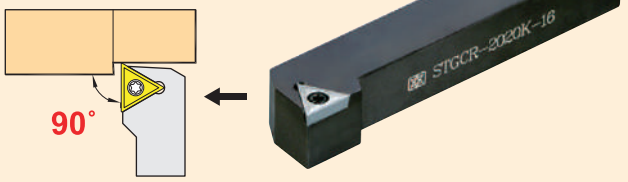


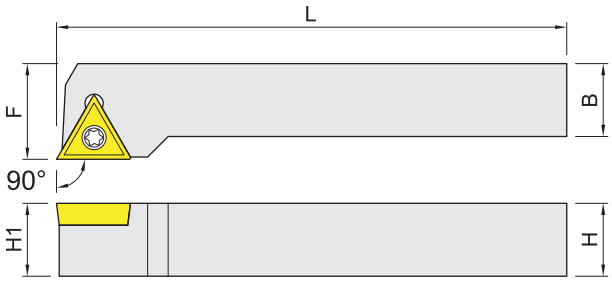


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
STFCR/L-2020K-16	20	20	125	25	TC..16T3..	MS4011A	ETF15	0.41
STFCR/L-2525M-16	25	25	150	32				0.77

STGC/P

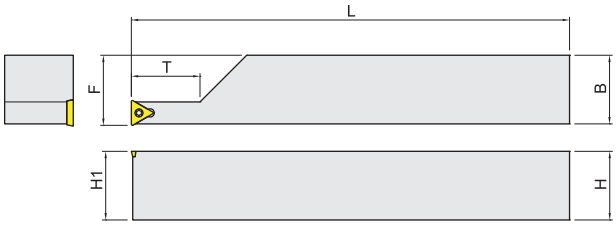




Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F				
STGCR/L-1212K-16	12	12	125	16	TC..16T3..	MS4011A	ETF15	0.15
STGCR/L-1616K-16	16	16	125	20				0.26
STGCR/L-2020K-16	20	20	125	25				0.41
STGCR/L-2525M-16	25	25	150	32				0.77
STGPR -2020K-1603	20	20	125	25	TP..1603..	MS4011A	ETF15	0.41
STGPR -2525M-1603	25	25	150	32				0.77

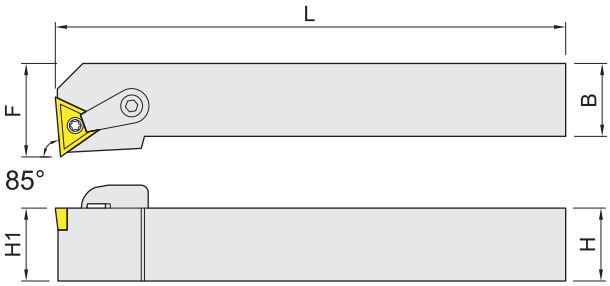
STCP



Right-hand shown

Item code	Dimensions,mm					Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T				
STCPR/L-2525M-09	25	25	150	25.5	25	TP..0902	MS2506A	ETF09	0.78
STCP /L-2525M-11	25	25	150	25.4	23	TP..1103	MS3008A	ETF09	0.78

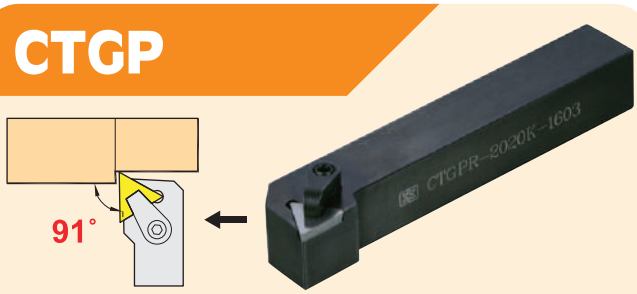
CTYC

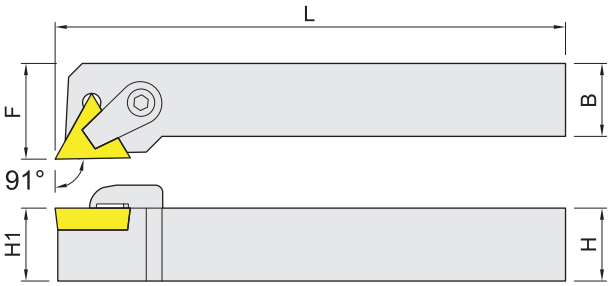


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Screw	Clamp	Weight Kg
	H(H1)	B	L	F						
CTYCR/L-2020K-16	20	20	125	25	TC..16T3..	MS4011A	ETF15	MS625TX	MC620	0.45

CTGP



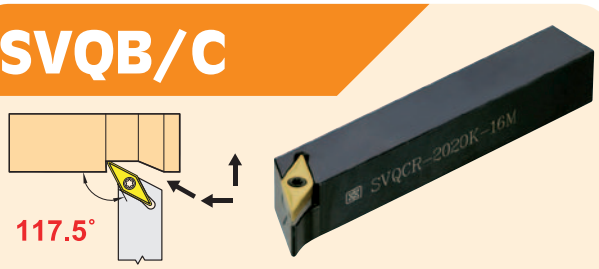


Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F					
CTGPR-1616K-16	16	16	125	20	TP.N1603..	MS625TX	MC620	ETL15	0.29
CTGPR-2020K-16	20	20	125	25					0.45
CTGPR-2525M-16	25	25	150	32		MS630TX			0.84

SVQB/C..CL

SVQB/C



SVQ2C

FIG-1

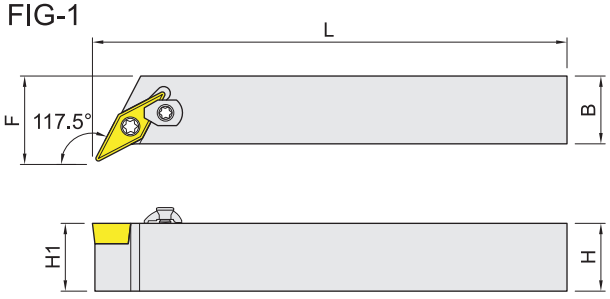
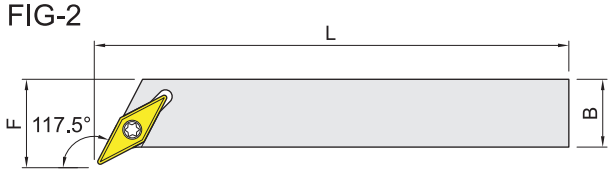
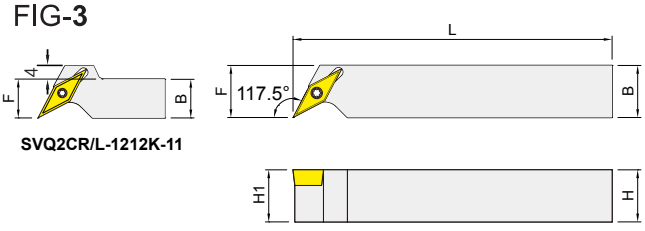


FIG-2



Right-hand shown

FIG-3



Right-hand shown

FIG-1 Item code 雙重鎖固Screw+Clamp	Spare parts	FIG-2 Item code 螺絲鎖固Screw	Spare parts	Dimensions,mm H(H1)	B	L	F	Insert	Weight Kg
SVQBR/L-1212H-11CL	②	SVQBR/L-1212H-11	①	12	12	100	16.5	VB..1103..	0.12
SVQBR/L-1212K-11CL		SVQBR/L-1212K-11		12	12	125	16.5		0.15
SVQBR/L-1616K-11CL		SVQBR/L-1616K-11		16	16	125	20.5		0.26
SVQBR/L-2020K-11CL		SVQBR/L-2020K-11		20	20	125	25		0.41
SVQBR/L-2020K-16CL	④	SVQBR/L-2020K-16	③	20	20	125	25	VB..1604..	0.41
SVQBR/L-2525M-16CL		SVQBR/L-2525M-16		25	25	150	32		0.77
SVQBR/L-3232P-16CL				32	32	170	40		1.33
SVQCR/L-1212H-11CL	②	SVQCR/L-1212H-11	①	12	12	100	16.5	VC..1103..	0.12
SVQCR/L-1212K-11CL		SVQCR/L-1212K-11		12	12	125	16.5		0.15
SVQCR/L-1616K-11CL		SVQCR/L-1616K-11		16	16	125	20.5		0.26
SVQCR/L-2020K-11CL		SVQCR/L-2020K-11		20	20	125	25		0.41
SVQCR/L-2020K-16CL	④	SVQCR/L-2020K-16	③	20	20	125	25	VC..1604..	0.41
SVQCR/L-2525M-16CL		SVQCR/L-2525M-16		25	25	150	32		0.77
SVQCR/L-3232P-16CL		SVQCR/L-3232P-16		32	32	170	40		1.33
		FIG-3 Item code							
		SVQ2CR/L-1212K-11	①	12	12	125	12	VC..1103..	0.15
		SVQ2CR/L-1616K-11		16	16	125	16		0.26

Insert	Spare parts	Shim	Screw	Wrench	Screw	Wrench	Clamp	Wrench
VB/VC..1103..	①	--	--	--	MS2506A	ETF09	--	--
VB/VC..1103..	②	--	--	--	MS2506A	ETF09	MC35-3V	ETF15
VB/VC..1604..	③	VSS322	MDS05035S	PL35	MS3512B	ETF15	--	--
VB/VC..1604..	④	VSS322	MDS05035S	PL35	MS3512B	--	MC35-3V	ETF15

SVUB/C..CL

SVUB/C

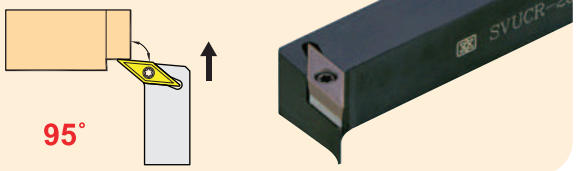


FIG-1

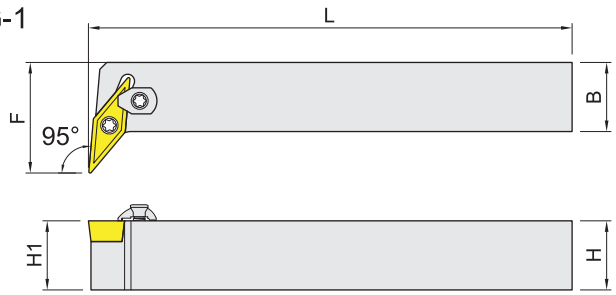
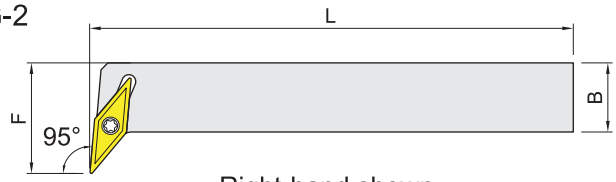


FIG-2



Right-hand shown

FIG-1 Item code 雙重鎖固Screw+Clamp	Spare parts	FIG-2 Item code 螺絲鎖固Screw	Spare parts	Dimensions,mm H(H1)	B	L	F	Insert	Weight Kg
SVUBR/L-1616K-11-L08CL	②	SVUBR/L-1616K-11-L08	①	16	16	125	24	VB..1103..	0.26
SVUCR/L-1616K-11-L08CL	②	SVUCR/L-1616K-11-L08	①	16	16	125	24	VC..1103..	0.26
SVUCR/L-2020M-16-L12CL	④	SVUCR/L-2020M-16-L12	③	20	20	150	32	VC..1604..	0.51
SVUCR/L-2525M-16-L12CL		SVUCR/L-2525M-16-L12		25	25	150	37		0.77
		SVUCR -2525M-16-L14		25	25	150	39		0.77

SVVCR..CL

SVVC

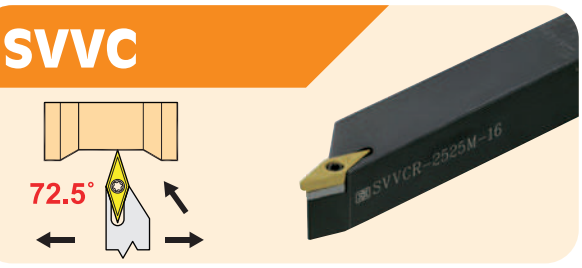


FIG-1

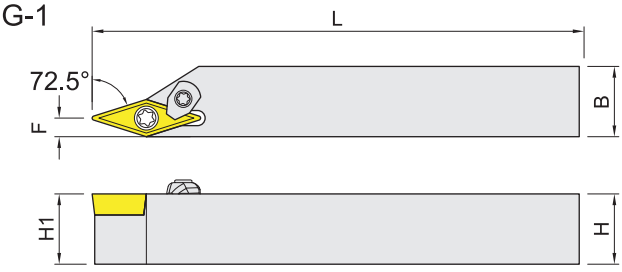
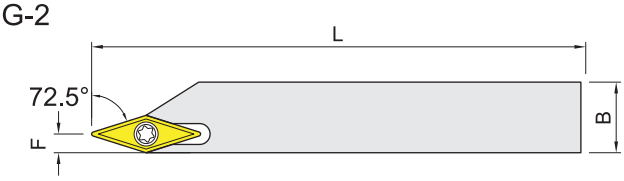


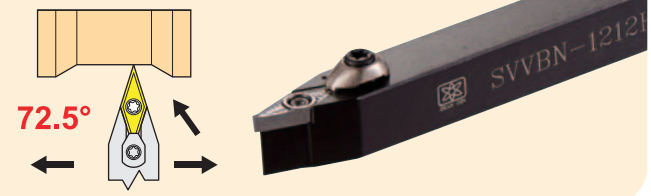
FIG-2



Right-hand shown

FIG-1 Item code 雙重鎖固Screw+Clamp	Spare parts	FIG-2 Item code 螺絲鎖固Screw	Spare parts	Dimensions,mm H(H1)	B	L	F	Insert	Weight Kg
		SVVCL-3.3H-11	①	9.5	9.5	100	3.5	VC..1103..	0.08
		SVVCR/L-4.4H-11		12.7	12.7	100	3.5		0.13
		SVVCR-1616K-11		16	16	125	3.5		0.26
		SVVCR-2020K-11		20	20	125	3.5		0.41
SVVCR-1616K-16CL	④	SVVCR-1616K-16	③	16	16	125	5	VC..1604..	0.26
SVVCR-2020K-16CL		SVVCR-2020K-16		20	20	125	5		0.41
SVVCR-2525M-16CL		SVVCR-2525M-16		25	25	150	5		0.77

SVVB/CN..CL



SVVB/CN

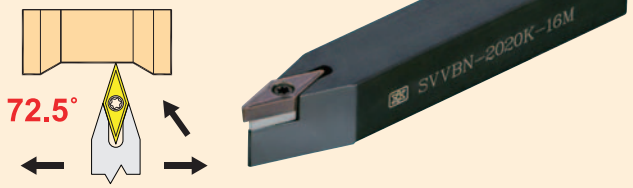


FIG-1

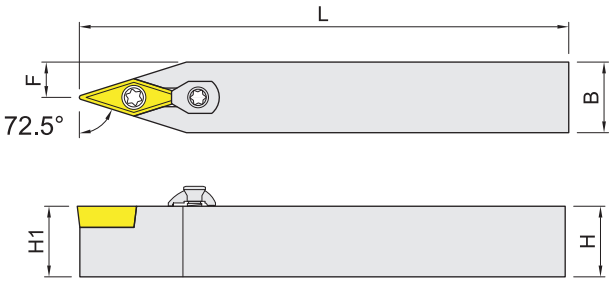
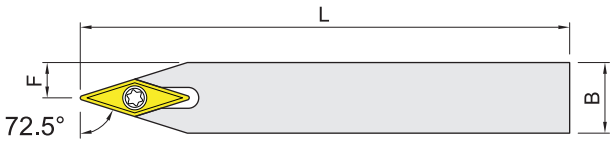


FIG-2



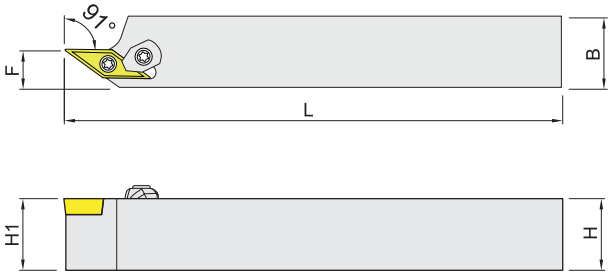
Neutral

FIG-1 Item code 雙重鎖固Screw+Clamp	Spare parts	FIG-2 Item code 螺絲鎖固Screw	Spare parts	Dimensions,mm				Insert	Weight Kg
				H(H1)	B	L	F		
SVVBN-1010H-11CL	③	**SVVBN-1010H-11**	①	10	10	100	5	VB..1103..	0.08
SVVBN-1212H-11CL		**SVVBN-1212H-11**		12	12	100	6		0.12
SVVBN-1212K-11CL		**SVVBN-1212K-11**		12	12	125	6		0.15
SVVBN-1616K-11CL		**SVVBN-1616K-11**		16	16	125	8		0.26
SVVBN-2020K-11CL		**SVVBN-2020K-11**		20	20	125	10		0.41
SVVBN-2525M-11CL		**SVVBN-2525M-11**		25	25	150	12.5		0.77
SVVBN-1616K-16CL	⑤	**SVVBN-1616K-16**	④	16	16	125	8	VB..1604..	0.26
SVVBN-2020K-16CL		**SVVBN-2020K-16**		20	20	125	10		0.41
SVVBN-2525M-16CL		**SVVBN-2525M-16**		25	25	150	12.5		0.77
SVVBN-3232P-16CL		**SVVBN-3232P-16**		32	32	170	16		1.43
SVVCN-1010H-11CL	③	**SVVCN-1010H-11**	①	10	10	100	5	VC..1103..	0.08
SVVCN-1212H-11CL		**SVVCN-1212H-11**		12	12	100	6		0.12
SVVCN-1212K-11CL		**SVVCN-1212K-11**		12	12	125	6		0.15
SVVCN-1616K-11CL		**SVVCN-1616K-11**		16	16	125	8		0.26
SVVCN-2020K-11CL		**SVVCN-2020K-11**		20	20	125	10		0.41
SVVCN-2525M-11CL		**SVVCN-2525M-11**		25	25	150	12.5		0.77
SVVCN-1616K-16CL	⑤	**SVVCN-1616K-16**	④	16	16	125	8	VC..1604..	0.26
SVVCN-2020K-16CL		**SVVCN-2020K-16**		20	20	125	10		0.41
SVVCN-2525M-16CL		**SVVCN-2525M-16**		25	25	150	12.5		0.77
SVVCN-3232P-16CL		**SVVCN-3232P-16**		32	32	170	16		1.43

Insert	Spare parts	Shim	Screw	Wrench	Screw	Wrench	Clamp	Wrench
VB/VC..1103..	①	--	--	--	MS2506A	ETF09	--	--
VB/VC..1103..	②	--	--	--	MS2506A	ETF09	MC35-3V	ETF15
VB/VC..1103..	③	--	--	--	MS2506A	ETF09	MC35-5V	ETF15
VB/VC..1604..	④	VSS322	MDS05035S	PL35	MS3512B	ETF15	--	--
VB/VC..1604..	⑤	VSS322	MDS05035S	PL35	MS3512B	ETF15	MC50V	ETF20

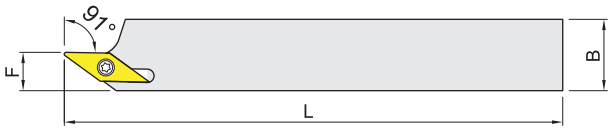
SVA3CL..CL

FIG-1



SVA3CL

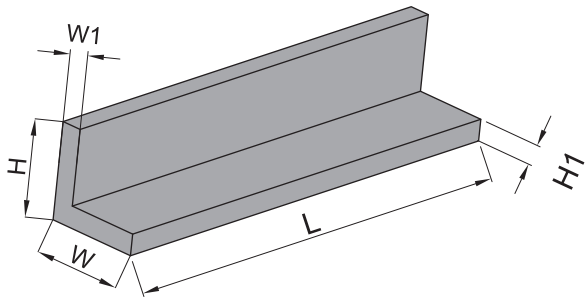
FIG-2

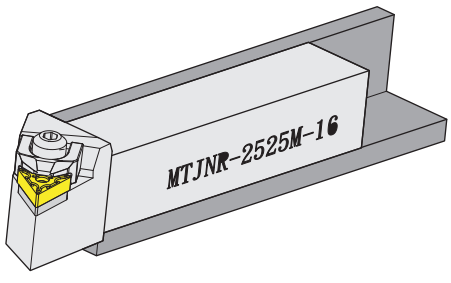


Left-hand shown

FIG-1 Item code 雙重鎖固Screw+Clamp	Spare parts	FIG-2 Item code 螺絲鎖固 Screw	Spare parts	Dimensions,mm				Insert	Weight Kg
				H(H1)	B	L	F		
SVA3CL-1212K-11CL	②	SVA3CL-1212K-11	①	12	12	125	8.6	VC..1103..	0.15
SVA3CL-1616K-11CL		SVA3CL-1616K-11		16	16	125			0.26
SVA3CL-2020K-11CL		SVA3CL-2020K-11		20	20	125			0.41
SVA3CL-2525M-11CL		SVA3CL-2525M-11		25	25	150			0.77

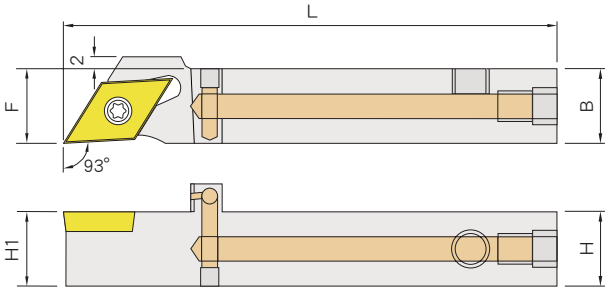
LMH 外徑墊高輔助刀座





Item code	Dimensions,mm					Weight Kg
	H	W	L	H1	W1	
LMH-16-20G	19.8	19.8	90	4	4	0.11
LMH-20-25H	24.8	24.8	100	5	5	0.19
NEW LMH-20-25.4H	25.2	25.2	100	5.4	5.4	0.19
LMH-25-32M	31.8	31.8	150	7	7	0.50

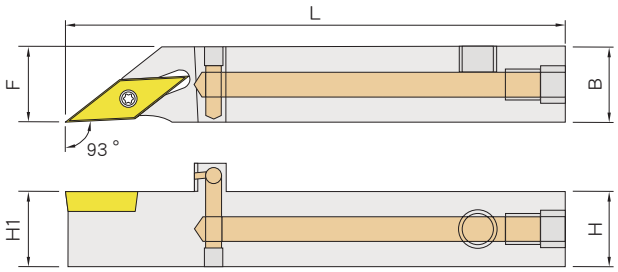
SDJ2C-A



Right-hand shown

Item code	Dimensions,mm				Insert	Spare parts	Weight Kg
水孔Coolant	H(H1)	B	L	F			
SDJ2CR-A1212K-11	12	12	125	12	DC..11T3..	①	0.15
SDJ2CR-A1616K-11	16	16	125	16			0.25

SVJ2C-A



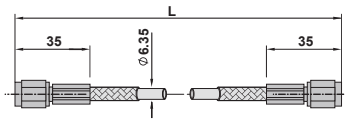
Right-hand shown

Item code	Dimensions,mm				Insert	Spare parts	Weight Kg
水孔Coolant	H(H1)	B	L	F			
SVJ2CR-A1212K-11	12	12	125	12	VC..1103..	②	0.15

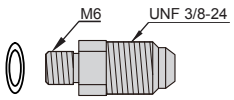
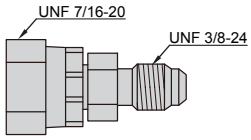
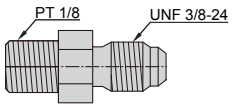
Insert	Spare parts	Screw	Wrench
DC..11T3..	①	MS4011A	ETF15
VC..1103..	②	MS2506A	ETF09

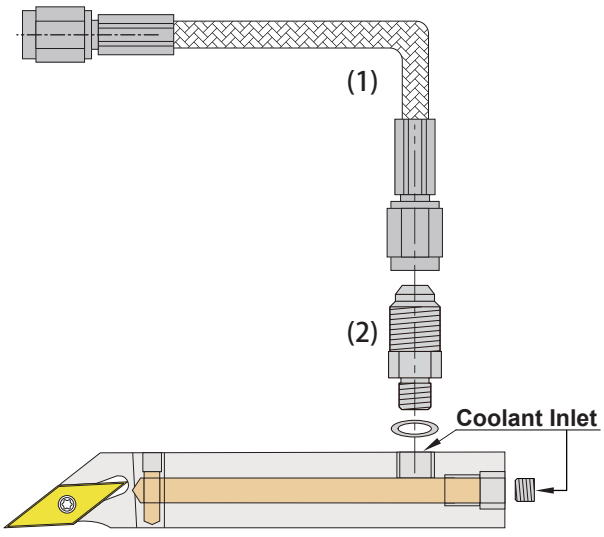
※可供選購的管線零件，請參考下一頁。(另售)
Optional piping parts are available in the next page. (sold separately)

(1) 高壓管 High pressure pipe

Shape	Item code	螺紋規格 Thread Standard	Dimensions,mm L
	HPP06UF-250	UNF 3/8-24	250
	HPP06UF-350	UNF 3/8-24	350

(2) 接頭 Joint bolt

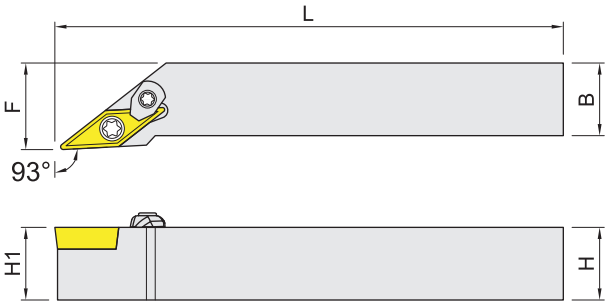
Shape	Item code	螺紋規格 Thread Standard 刀桿/機台連接端 Thread connection to the machine	
	MUF-063	M6	UNF 3/8-24
	MUFA21-0706	UNF 7/16-20	UNF 3/8-24
	MUFB11-PU0206	PT 1/8	UNF 3/8-24



※ 請依據機台與出水裝置，選擇高壓管 (1)，接頭 (2)。
Choose among high pressure pipe (1), joint bolt (2) based on the machine spec. and piping configuration.

SVJB/C..CL

FIG-1



SVJB/C

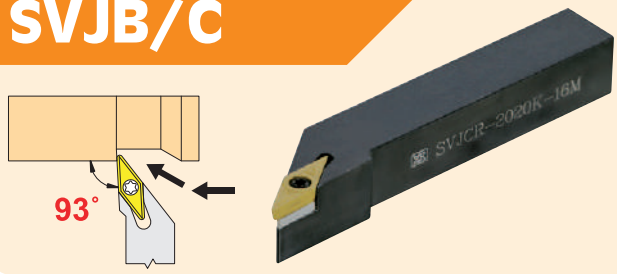
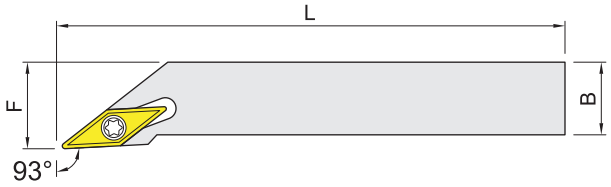


FIG-2



Right-hand shown

FIG-1 Item code 雙重鎖固Screw+Clamp	Spare parts	FIG-2 Item code 螺絲鎖固Screw	Spare parts	Dimensions,mm H(H1)	B	L	F	Insert	Weight Kg
SVJBR/L-1010H-11CL	②	SVJBR/L-1010H-11	①	10	10	100	12	VB..1103..	0.08
SVJBR/L-1212K-11CL		SVJBR/L-1212K-11		12	12	125	16		0.15
SVJBR/L-1616K-11CL		SVJBR/L-1616K-11		16	16	125	20		0.26
SVJBR/L-2020K-11CL		SVJBR/L-2020K-11		20	20	125	25		0.41
SVJBR/L-2525M-11CL		SVJBR/L-2525M-11		25	25	150	32		0.77
SVJBR/L-1616K-16CL	④	SVJBR/L-1616K-16	③	16	16	125	20	VB..1604..	0.26
SVJBR/L-2020K-16CL		SVJBR/L-2020K-16		20	20	125	25		0.41
SVJBR/L-2525M-16CL		SVJBR/L-2525M-16		25	25	150	32		0.77
SVJBR/L-3232P-16CL		SVJBR/L-3232P-16		32	32	170	40		1.43
SVJCR/L-1010H-11CL	②	SVJCR/L-1010H-11	①	10	10	100	12	VC..1103..	0.08
		SVJCR/L-1010K-11		10	10	125	12		0.11
		SVJCR/L-1212H-11		12	12	100	16		0.12
SVJCR/L-1212K-11CL		SVJCR/L-1212K-11		12	12	125	16		0.15
SVJCR/L-1616K-11CL		SVJCR/L-1616K-11		16	16	125	20		0.26
SVJCR/L-2020K-11CL		SVJCR/L-2020K-11		20	20	125	25		0.41
SVJCR/L-2525M-11CL		SVJCR/L-2525M-11		25	25	150	32		0.77
SVJCR/L-1616K-16CL	④	SVJCR/L-1616K-16	③	16	16	125	20	VC..1604..	0.26
SVJCR/L-2020K-16CL		SVJCR/L-2020K-16		20	20	125	25		0.41
SVJCR/L-2525M-16CL		SVJCR/L-2525M-16		25	25	150	32		0.77
SVJCR/L-3232P-16CL		SVJCR/L-3232P-16		32	32	170	40		1.43

Insert	Spare parts	Shim	Screw	Wrench	Screw	Wrench	Clamp	Wrench
VB/VC..1103..	①	--	--	--	MS2506A	ETF09	--	--
VB/VC..1103..	②	--	--	--	MS2506A	ETF09	MC35-5V	ETF15
VB/VC..1604..	③	VSS322	MDS05035S	PL35	MS3512B	ETF15	--	--
VB/VC..1604..	④	VSS322	MDS05035S	PL35	MS3512B	--	MC35-3V	ETF15

SVJ2B/C..CL

SVJ2B/C

FIG-1

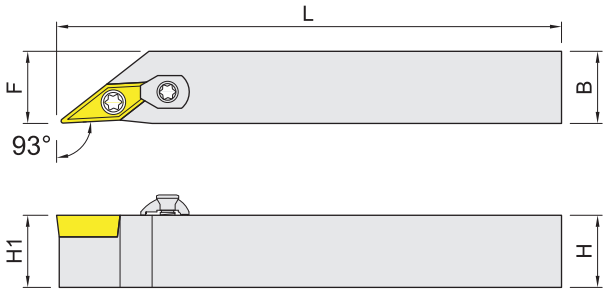
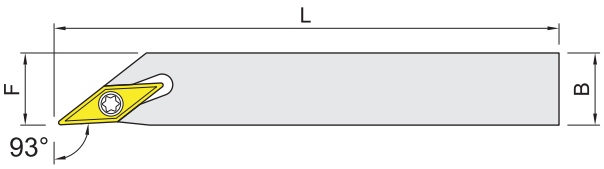


FIG-2

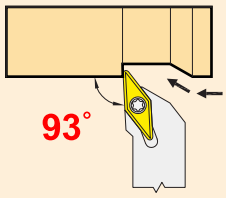


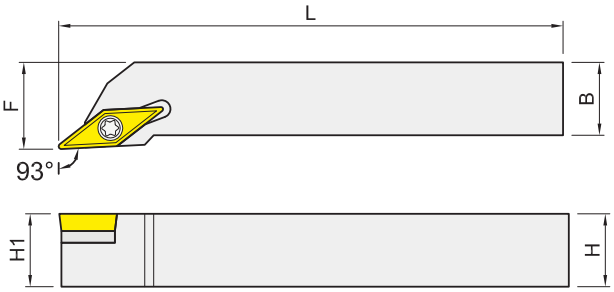
Right-hand shown

FIG-1 Item code 雙重鎖固 Screw+Clamp	Spare parts	FIG-2 Item code 螺絲鎖固 Screw	Spare parts	Dimensions,mm H(H1)	B	L	F	Insert	Weight Kg
		SVJ2BR/L-1010H-11	①	10	10	100	10	VB..1103..	0.08
SVJ2BR/L-1010K-11CL	②	SVJ2BR/L-1010K-11		10	10	125	10		0.12
SVJ2BR/L-1212H-11CL		SVJ2BR/L-1212H-11		12	12	100	12		0.12
SVJ2BR/L-1212K-11CL		SVJ2BR/L-1212K-11		12	12	125	12		0.15
		SVJ2BR/L-1616K-11		16	16	125	16		0.26
		SVJ2BR/L-2020K-11		20	20	125	20		0.41
SVJ2CR/L-1010H-11CL	②	SVJ2CR/L-1010H-11	①	10	10	100	10	VC..1103..	0.08
SVJ2CR/L-1212H-11CL		SVJ2CR/L-1212H-11		12	12	100	12		0.12
SVJ2CR/L-1212K-11CL		SVJ2CR/L-1212K-11		12	12	125	12		0.15
SVJ2CR/L-1616K-11CL		SVJ2CR/L-1616K-11		16	16	125	16		0.26
SVJ2CR/L-2020K-11CL		SVJ2CR/L-2020K-11		20	20	125	20		0.41
		SVJ2CR/L-1616K-16H	③	16	16	125	16	VC..1604..	0.26
SVJ2CR/L-1616K-16CL	⑤	SVJ2CR/L-1616K-16	④	16	16	125	16	VC..1604..	0.26
SVJ2CR/L-2020K-16CL		SVJ2CR/L-2020K-16		20	20	125	20		0.41
SVJ2CR/L-2525M-16CL		SVJ2CR/L-2525M-16		25	25	150	25		0.77

Insert	Spare parts	Shim	Screw	Wrench	Screw	Wrench	Clamp	Wrench
VB/VC..1103..	①	--	--	--	MS2506A	ETF09	--	--
VB/VC..1103..	②	--	--	--	MS2506A	ETF09	MC35-5V	ETF15
VC..1604..	③	--	--	--	MS3509B	ETF15	--	--
VC..1604..	④	VSS322	MDS05035S	PL35	MS3512B	ETF15	--	--
VC..1604..	⑤	VSS322	MDS05035S	PL35	MS3512B	--	MC35-3V	ETF15

SVJB/C..F





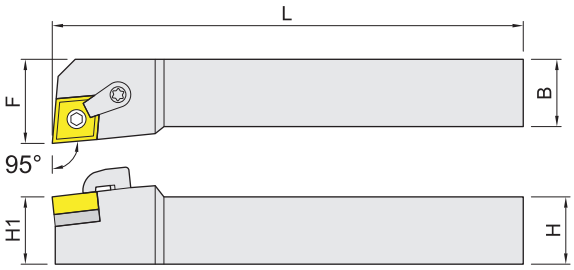
Right-hand shown

	Item code	Dimensions,mm				Insert	Shim	Screw	Wrench	Screw	Wrench	Weight Kg
		H(H1)	B	L	F							
NEW	SVJBR/ -1616K-16F	16	16	125	20	VB..1604..	VSS322	MDS05035S	PL35	MS3512B	ETF15	0.26
NEW	SVJBR/ -2020K-16F	20	20	125	25							0.41
NEW	SVJCR/ -1616K-16F	16	16	125	20	VC..1604..	VSS322	MDS05035S	PL35	MS3512B	ETF15	0.26
NEW	SVJCR/ -2020K-16F	20	20	125	25							0.41
NEW	SVJCR/ -2525M-16F	25	25	150	32							0.77

英制規格

IMPERIAL

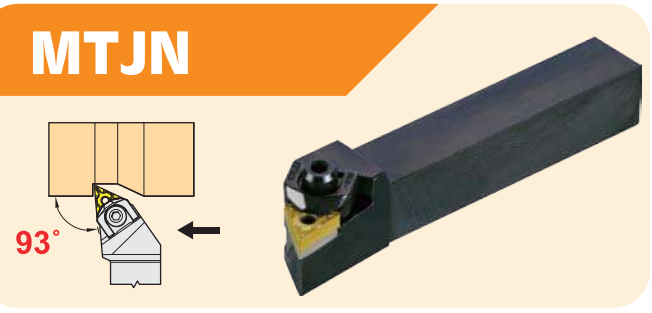
MCLN

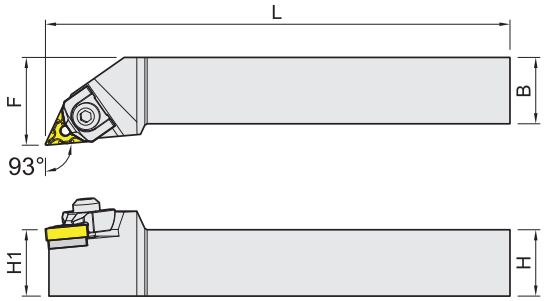


Right-hand shown

Item code	Dimensions, inch				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
IMCLNR/L12-4B	0.75	0.75	4.5	1	CN..43.. (CN..1204)	MLP46-A	CMS432	PL25	MS625TX	MC620	ETL15	0.39
IMCLNR/L16-4D	1	1	6	1.25					MS630TX			0.85

MTJN

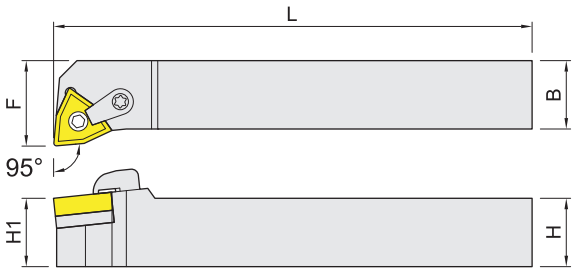




Right-hand shown

Item code	Dimensions, inch				Insert	Pin	Screw	Wrench	Shim	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
IMTJNR/L12-3B	0.75	0.75	4.5	1	TN..33.. (TN..1604)	MCP3	MCS3S-11	PL30	TWS322	MCW3-P40	PL40	0.39
IMTJNR/L16-3D	1	1	6	1.25								0.85

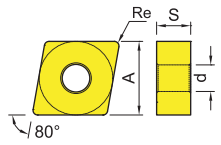
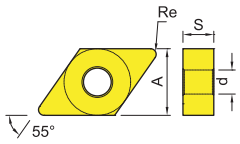
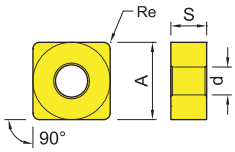
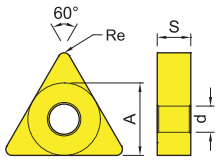
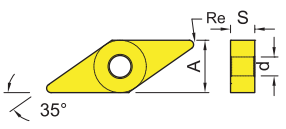
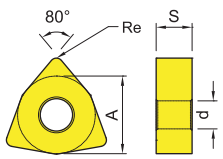
MWLN



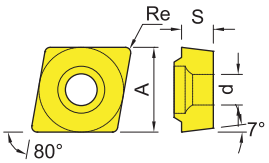
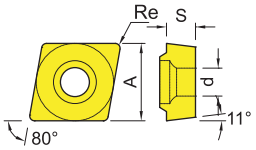
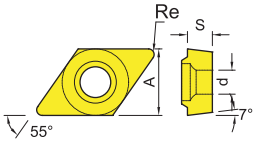
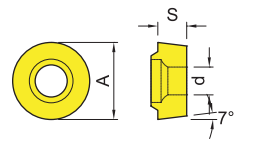
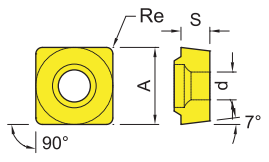
Right-hand shown

Item code	Dimensions, inch				Insert	Pin	Shim	Wrench	Screw	Clamp	Wrench	Weight Kg
	H(H1)	B	L	F								
IMWLNR/L12-4B	0.75	0.75	4.5	1	WN..43.. (WN..0804)	MLP46-A	WMS432	PL25	MS625TX	MC620	ETL15	0.39
IMWLNR/L16-4D	1	1	6	1.25					MS630TX			0.85

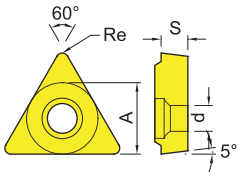
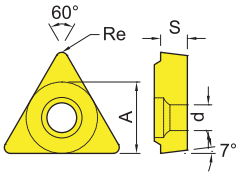
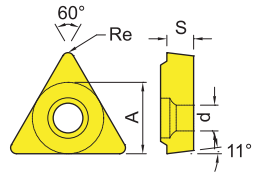
被切削材 Workpiece material											
	Steel 鋼	P	●		●		●	●			
	Stainless steel 不銹鋼	M	●	●			●				
	Cast iron 鑄鐵	K	●			●	●				
	Non-ferrous metal 非鐵金屬	N							●	●	●

Insert Shape	Description	GRADE 材質									Dimensions,mm			
		Coated 塗層				Cermet 金屬陶瓷		Carbide(Uncoated) 硬質合金(無塗層)						
		NW948	NV230	NV118	NV308	NY942	NY138	NM304	H01	CD10	A	S	d	Re
	**CNMG120404**	●					●		●		12.7	4.76	5.16	0.4
	CNMG120408	●					●	●	●		12.7	4.76	5.16	0.8
	**DNMG150404**	●						●			12.7	4.76	5.16	0.4
	DNMG150408	●						●			12.7	4.76	5.16	0.8
	DNMG150604	●									12.7	6.35	5.16	0.4
	DNMG150608										12.7	6.35	5.16	0.8
	**SNMG120404**	●									12.7	4.76	5.16	0.4
	SNMG120408	●									12.7	4.76	5.16	0.8
	**TNGG160402L**					●					9.525	4.76	3.81	0.2
	TNMG160404L					●					9.525	4.76	3.81	0.4
	TNMG160408L					●					9.525	4.76	3.81	0.8
	TNGG160402R					●					9.525	4.76	3.81	0.2
	TNMG160404R					●					9.525	4.76	3.81	0.4
	TNMG160408R					●					9.525	4.76	3.81	0.8
	TNMG160404	●				●		●	●		9.525	4.76	3.81	0.4
	TNMG160408	●				●		●	●		9.525	4.76	3.81	0.8
	TNMG220408MA	●									9.525	4.76	3.81	0.8
	**VNMG160404**	●							●		9.525	4.76	3.81	0.4
	VNMG160408	●							●		9.525	4.76	3.81	0.8
	**WNMG080404**	●									12.7	4.76	5.16	0.4
	WNMG080408	●									12.7	4.76	5.16	0.8

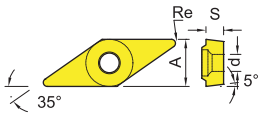
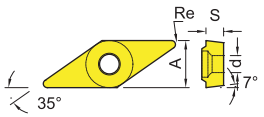
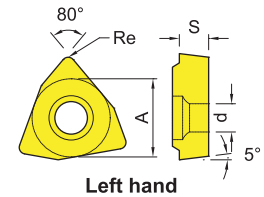
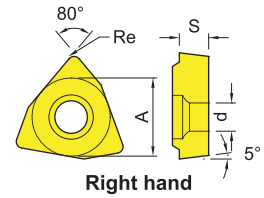
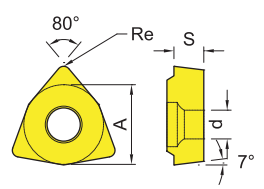
被切削材 Workpiece material												
	Steel 鋼	P	●		●	●	●	●				
	Stainless steel 不銹鋼	M	●	●		●	●					
	Cast iron 鑄鐵	K	●			●	●		●			
	Non-ferrous metal 非鐵金屬	N							●	●	●	

Insert Shape	Description	GRADE 材質									Dimensions,mm			
		Coated 塗層			Cermet 金屬陶瓷			Carbide(Uncoated) 硬質合金(無塗層)						
		NW948	NV230	NV128	TN60	NY942	AT55H	NM304	H01	CD10	A	S	d	Re
	CCMT060204	●				●		●			6.35	2.38	2.8	0.4
	CCMT060208	●									6.35	2.38	2.8	0.8
	CCMT080304		●								7.94	3.18	3.4	0.4
	CCMT09T304	●				●		●			9.525	3.97	4.4	0.4
	CCMT09T308	●	●								9.525	3.97	4.4	0.8
	CCMT120404	●									12.7	4.76	5.0	0.4
	CCMT120408	●									12.7	4.76	5.0	0.8
	CCGT03S102R/L F	●				●					3.97	1.39	2.0	0.2
	CCGT04T004R/L F					●					4.76	1.79	2.4	0.4
	CCGT030102R/L F				●						3.5	1.4	1.9	0.2
	CCGT040104R/L F				●						4.3	1.8	2.3	0.4
	CCGT09T304AK								●		9.525	3.97	4.4	0.4
	CCGT09T308AK								●		9.525	3.97	4.4	0.8
	CCGT060204-270G									●	6.35	2.38	2.8	0.4
	CCGT09T304AL									●	9.525	3.97	4.4	0.4
	CCGT09T308AL										9.525	3.97	4.4	0.8
	CPMT060204LF										6.35	2.38	2.8	0.4
	CPMH080204MV	●									7.94	2.38	3.4	0.4
	CPMH090304MV	●									9.525	3.18	4.5	0.4
	CPMH090308MV	●									9.525	3.18	4.5	0.8
	DCMT070204	●	●								6.35	2.38	2.8	0.4
	DCMT11T304	●				●					9.525	3.97	4.4	0.4
	DCMT11T308	●				○					9.525	3.97	4.4	0.8
	DCMT070204MV	●				●					6.35	2.38	2.8	0.4
	DCMT11T304MV	●				○					9.525	3.97	4.4	0.4
	DCMW070204							●			6.35	2.38	2.8	0.4
	DCMW11T308							●			9.525	3.97	4.4	0.8
	DCGT070204AK								●		6.35	2.38	2.8	0.4
	DCGT11T304AK								●		9.525	3.97	4.4	0.4
	DCGT11T308AK								●		9.525	3.97	4.4	0.8
	DCGT070204AL										6.35	2.38	2.8	0.4
	RCMT0502MO						●				5	2.38	2.5	-
	RCMT0602MO	●	●			●					6	2.38	2.8	-
	RCMT0803MO	●				●					8	3.18	3.4	-
	RCMX1003MO					●					10	3.18	3.6	-
														-
	RCGT0803MO-AZ							●			8	3.18	3.4	-
	SCMT09T304EN										9.525	3.97	4.4	0.4

被切削材 Workpiece material											
	Steel 鋼	P	●	●	●	●	●	●			
	Stainless steel 不銹鋼	M	●	●			●	●			
	Cast iron 鑄鐵	K	●			●	●	●	●		
	Non-ferrous metal 非鐵金屬	N							●	●	●

Insert Shape	Description	GRADE 材質									Dimensions,mm			
		Coated 塗層			Cermet 金屬陶瓷			Carbide(Uncoated) 硬質合金(無塗層)						
		NW948	PR930	NV118	TI200A	NY942	TN60	NM304	H01	CD10	A	S	d	Re
	TBGT060102L						●				3.97	1.59	2.3	0.2
	TBGT060104L						●				3.97	1.59	2.3	0.4
	TBGT060102LW				●						3.97	1.59	2.2	0.2
	TBGT060104LW										3.97	1.59	2.2	0.4
	TCGT060102LF					●		●			3.97	1.59	2.3	0.2
	TCMT090204	●						●			5.56	2.38	2.5	0.4
	TCMT110204	●						●			6.35	2.38	2.8	0.4
	TCMT16T304	●						●			9.525	3.97	4.4	0.4
	TCMT16T308	●						●			9.525	3.97	4.4	0.8
	TCGT090204AK								●		5.56	2.38	2.5	0.4
	TCGT110204AK								●		6.35	2.38	2.8	0.4
	TCGT16T304AK								●		9.525	3.97	4.4	0.4
	TCGT16T308AK								●		9.525	3.97	4.4	0.8
	TCGT110204FN									●	6.35	2.38	2.8	0.4
	TPMH080204MV	●									4.76	2.38	2.4	0.4
	TPMH090204MV	●									5.56	2.38	2.9	0.4
	TPMH110304MV	●									6.35	3.18	3.4	0.4
	TPMH160304MV	●		●							9.525	3.18	4.4	0.4
	TPMH160308MV	●									9.525	3.18	4.4	0.8
	TPMT16T304-24										9.525	3.97	4.4	0.4
	TPMT160404NFK										9.525	4.76	4.4	0.4
	TPGH080202LFS	●				●					4.76	2.38	2.4	0.2
	TPGH080204LFS	●				●					4.76	2.38	2.4	0.4
	TPGH090202LFS					●		●			5.56	2.38	2.9	0.2
	TPGH090204LFS					●		●			5.56	2.38	2.9	0.4
	TPGH110302LFS					●					6.35	3.18	3.3	0.2
	TPGH110304LFS					●					6.35	3.18	3.3	0.4
	TPGH160304LFS					●					9.525	3.18	4.4	0.4
	TPGH160308LFS	●									9.525	3.18	4.4	0.8
	TPGH080202L						●				4.76	2.38	2.4	0.2
	TPGH080204L						●				4.76	2.38	2.4	0.4
	TPGH090202L						●				5.56	2.38	2.9	0.2
	TPGH090204L		●				●				5.56	2.38	2.9	0.4
	TPGH110302L										6.35	3.18	3.3	0.2
	TPGH110304L		●				●				6.35	3.18	3.3	0.4

被切削材 Workpiece material											
	Steel 鋼	P	●		●	●	●	●			
	Stainless steel 不銹鋼	M		●		●	●	●			
	Cast iron 鑄鐵	K			●	●	●	●	●		
	Non-ferrous metal 非鐵金屬	N							●	●	●

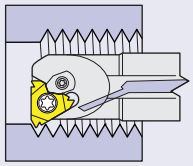
Insert Shape	Description	GRADE 材質									Dimensions,mm			
		Coated 塗層			Cermet 金屬陶瓷		Carbide(Uncoated) 硬質合金(無塗層)							
		NV118	NV230	NW948	NY942	TN60	NM304	KW10	CD10	H01	A	S	d	Re
	**VBMT110304MV**	●		●	●						6.35	3.18	2.8	0.4
	VBMT160404MV			●							9.53	4.76	4.4	0.4
	VBMT160408MV			●							9.53	4.76	4.4	0.8
	VBMT110304HQ					●					6.35	3.18	2.9	0.4
	VBMT160404HQ										9.53	4.76	4.4	0.4
	VBMT160408HQ										9.53	4.76	4.4	0.8
	VBGT110304AK									●	6.35	3.18	2.8	0.4
	VBGT110308AK									●	6.35	3.18	2.8	0.8
	**VCMT080204MV**			●	●						4.76	2.38	2.4	0.4
	VCMT110304		●	●	●						6.35	3.18	2.8	0.4
	VCMT160404		●	●	●						9.53	4.76	4.4	0.4
	VCMT160408		●	●	●						9.53	4.76	4.4	0.8
	VCGT110304AK									●	6.35	3.18	2.8	0.4
	VCGT160404FN								●		9.525	4.76	4.4	0.4
	VCGT160408AL								●		9.525	4.76	4.4	0.8
	VCGT220530AL								●	○	12.7	5.56	5.5	3.0
 Left hand	**WBMT060104L-DP**					●					3.97	1.59	2.3	0.4
	WBGT060104LF					●		●			3.97	1.59	2.3	0.4
 Right hand	**WBMT060104R-DP**					●					3.97	1.59	2.3	0.4
	WBGT060104RF					●					3.97	1.59	2.3	0.4
	**WCMT020104**										3.97	1.59	2.3	0.4
	WCGT020102L				●		●				3.97	1.59	2.3	0.2

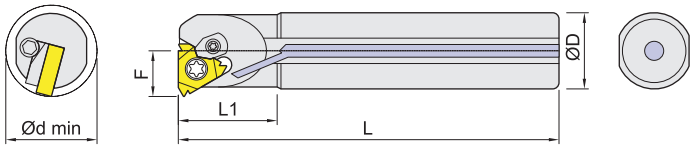
SHAN GIN

牙刀 開槽刀

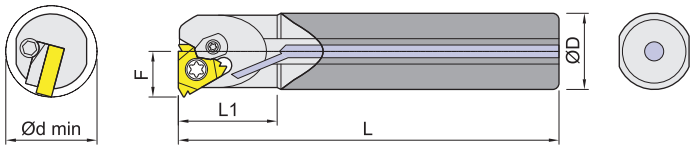
THREADING & GROOVING

SNR/L..CL





Coolant steel shank+clamp (Right-hand shown)
中心出水鋼柄+壓板 右向示意圖



Coolant carbide shank+clamp (Right-hand shown)
中心出水鎢鋼柄+壓板 右向示意圖

Steel shank 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,mm D	L	L1	F	dmin	Insert 螺紋加工 Threading	槽加工 Grooving	Spare parts	Weight Kg
SNR/L-0020R-16CL	**SNR/L-A0020R-16CL**	20	200	40	12	24	16NR/L	16NR..G	①	0.49
SNR/L-0025R-16CL	**SNR/L-A0025R-16CL**	25	200	45	14.5	29				0.77
SNR/L-0032S-16CL	**SNR/L-A0032S-16CL**	32	250	45	18.5	36				1.58
SNR/L-0040T-16CL	**SNR/L-A0040T-16CL**	40	300	60	22	44				2.96
SNR/L-0040V-16CL	**SNR/L-A0040V-16CL**	40	400	60	22	44				3.94
SNR/L-0050V-16CL	**SNR -A0050V-16CL**	50	400	60	27	54				6.17
SNR/L-0020R-22CL	**SNR/L-A0020R-22CL**	20	200	40	14	28	22NR/L	--	②	0.49
SNR/L-0025R-22CL	**SNR/L-A0025R-22CL**	25	200	45	16.5	32			③	0.77
SNR/L-0032S-22CL	**SNR/L-A0032S-22CL**	32	250	45	20	40				1.58
SNR/L-0040T-22CL	**SNR/L-A0040T-22CL**	40	300	60	24	46				2.96
SNR/L-0050V-22CL		50	400	60	29	58				6.17
NEW **SNR/L-0032S-27CL**	**SNR/L-A0032S-27CL**	32	250	45	20	40	27NR/L	--	④	1.58

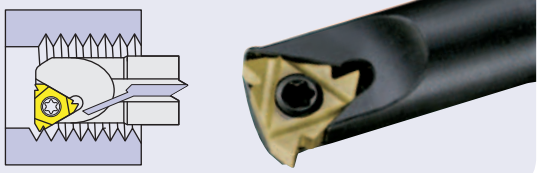
Carbide shank 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,mm D	L	L1	F	dmin	Insert 螺紋加工 Threading	槽加工 Grooving	Spare parts	Weight Kg
SNR/L-C0020R-16CL	**SNR/L-E0020R-16CL**	20	200	40	12	24	16NR/L	16NR..G	①	0.91
SNR/L-C0025S-16CL	**SNR/L-E0025S-16CL**	25	250	45	14.5	29				1.65

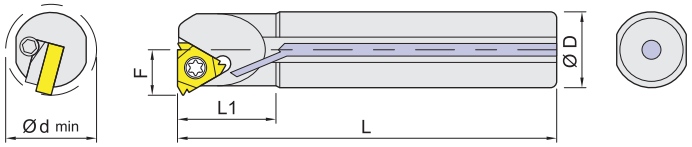
※裝插槽刀片時，加工深度及最小加工徑會因刀桿實際狀況而異(The application depth and minimum working diameter will be various according to situation of setting grooving insert.)

Insert	Spare parts	Screw	Wrench	Shim	Screw	Wrench	Clamp	Wrench
16NR/L	①	MS3512A	--	GXN/E16	HTM309	PL25	MC35-3V	ETF15
22NR/L	②	MS4511A	ETF20	--	--	--		
22NR/L	③	MS4516A	ETF20	GXN/E22	HTM412	PL30		
27NR/L	④	MS5020E	ETL25	GXN/E27	HTM512HC	PL40	MC35-5V	ETF20

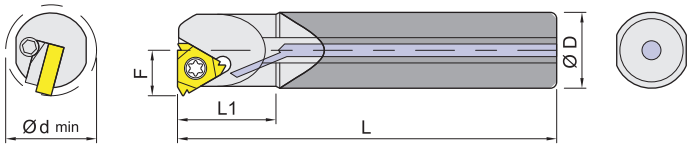
※ 牙刀片請參考 107-108 頁Please refer to page 107-108 for threading insert.

SNR/L





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



Coolant carbide shank (Right-hand shown)
中心出水鎢鋼柄 右向示意圖

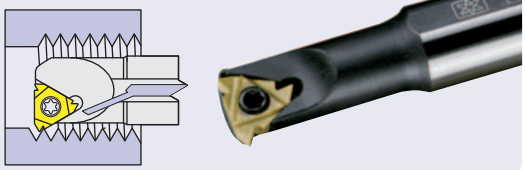
Steel shank 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,mm D	L	L1	F	dmin	Insert 螺紋加工 Threading	槽加工 Grooving	Spare parts	Weight Kg
SNR/L-0008K-08-S08	SNR/L-A0008K-08-S08	08	125	20	5.5	11	08NR/L	--	②	0.05
SNR/L-0010K-11-S10	SNR/L-A0010K-11-S10	10	125	22	6.5	13	11NR/L	11NR..G	③	0.08
SNR/L-0012M-11-S12	SNR/L-A0012M-11-S12	12	150	26	8	16				0.13
SNR/L-0014N-16	SNR/L-A0014N-16	14	160	32	9	18	16NR/L	16NR..G	④	0.19
SNR/L-0016Q-16	SNR/L-A0016Q-16	16	180	36	10	19			④	0.28
SNR/L-0020R-16	SNR/L-A0020R-16	20	200	40	12	24			⑤	0.49
SNR/L-0025R-16	SNR/L-A0025R-16	25	200	45	14.5	29				0.77
SNR/L-0032S-16	SNR/L-A0032S-16	32	250	45	18.5	36				1.58
SNR/L-0032T-16		32	300	45	18.5	36				1.89
SNR/L-0040T-16		40	300	60	22	44				2.96
SNR -0040V-16	SNR -A0040V-16	40	400	60	22	44				3.95
SNR -0050V-16		50	400	60	27	54				6.17
SNR -0060V-16	SNR -A0060V-16	60	400	60	32	64				8.88
SNR -0080V-16		80	400	80	42	82				15.78
SNR/L-0020R-22	SNR/L-A0020R-22	20	200	40	14	28	22NR/L	--	⑥	0.49
SNR/L-0025R-22	SNR/L-A0025R-22	25	200	45	16.5	32			⑦	0.77
SNR/L-0025S-22	SNR/L-A0025S-22	25	250	45	16.5	32				0.96
SNR/L-0032S-22	SNR/L-A0032S-22	32	250	45	20	40				1.58
SNR/L-0040T-22	SNR/L-A0040T-22	40	300	60	24	46				2.82
SNR/L-0050V-22		50	400	60	29	58				6.17
NEW SNR/L-0032S-27	SNR/L-A0032S-27	32	250	45	20	40	27NR/L	--	⑧	1.58

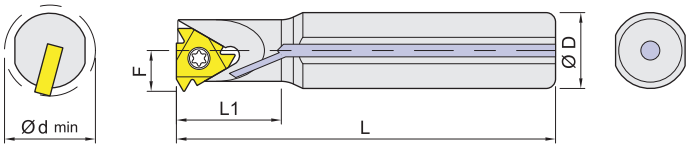
Carbide shank 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,mm D	L	L1	F	dmin	Insert 螺紋加工 Threading	槽加工 Grooving	Spare parts	Weight Kg
SNR/L-C0006J-06	--	6	110	15	4.1	8	06NR/L	--	①	0.05
SNR/L-C0007J-08	--	7	110	18	4.5	9	08NR	--	②	0.06
SNR-C0008K-08		8	125	20	5.5	11				0.09
SNR/L-C0010K-11	SNR/L-E0010K-11	10	125	22	6.5	13	11NR/L	11NR..G	③	0.14
SNR-C0012M-11		12	150	26	8	16				0.24
SNR-C0016R-16	SNR/L-E0016R-16	16	200	36	10	19	16NR	16NR..G	④	0.58
SNR-C0020R-16		20	200	40	12	24			⑤	0.91
SNR-C0025S-16		25	250	45	14.5	29				1.77

※裝插槽刀片時，加工深度及最小加工徑會因刀桿實際狀況而異(The application depth and minimum working diameter will be various according to situation of setting grooving insert.)

※鎢鋼柄Ø7以下刀桿僅一面側固(Carbide shank below Ø7 is one welden flat only)

SNR/L





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,mm D	L	L1	F	dmin	Insert 螺紋加工 Threading	槽加工 Grooving	Spare parts	Weight Kg
SNR/L-0005H-06	**SNR/L-A0005H-06**	12	100	12	3.6	7	06NR/L	--	①	0.09
SNR/L-0006H-06		12	100	15	4.1	8				0.09
SNR/L-0007K-08	**SNR/L-A0007K-08**	16	125	18	4.5	9	08NR/L	--	②	0.20
SNR/L-0008K-08	**SNR/L-A0008K-08**	16	125	21	5.5	11				0.20
SNR/L-0010K-11	**SNR/L-A0010K-11**	16	125	25	6.5	13	11NR/L	11NR..G	③	0.20
SNR/L-0010K-11-L18	**SNR/L-A0010K-11-L18**	16	125	18	6.5	13				0.20
SNR/L-0013M-11	**SNR/L-A0013M-11**	16	150	32	8	16				0.24
SNR/L-0013M-11-L18		16	150	18	8	16				0.24
SNR/L-0013M-16	**SNR/L-A0013M-16**	16	150	32	8.5	17	16NR/L	16NR..G	④	0.24
SNR/L-0016Q-16-S20	**SNR/L-A0016Q-16-S20**	20	180	36	10	19				0.44

※裝插槽刀片時，加工深度及最小加工徑會因刀桿實際狀況而異(The application depth and minimum working diameter will be various according to situation of setting grooving insert.)

Insert	Spare parts	Screw	Wrench	Shim	Screw	Wrench
06NR/L	①	MS2004A	ETF06	--	--	--
08NR/L	②	MS2206F	ETF07	--	--	--
11NR/L	③	MS2507G	ETF08	--	--	--
16NR/L	④	MS3509A	ETF15	--	--	--
16NR/L	⑤	MS3512A	ETF15	GXN/E16	HTM309	PL25
22NR/L	⑥	MS4511A	ETF20	--	--	--
22NR/L	⑦	MS4516A	ETF20	GXN/E22	HTM412	PL30
27NR/L	⑧	MS5020E	ETL25	GXN/E27	HTM512HC	PL40

※ 牙刀片請參考 107-108 頁Please refer to page 107-108 for threading insert.

SER/L..CL(HC)

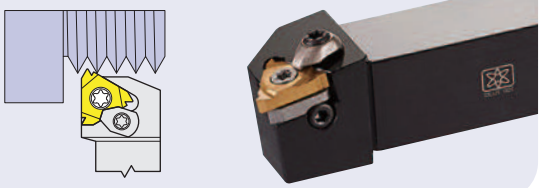
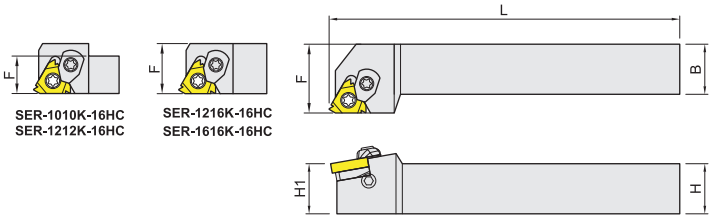


FIG-1



SER/L

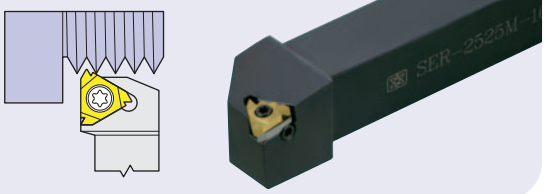
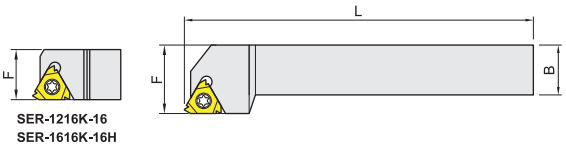


FIG-2



Right-hand shown

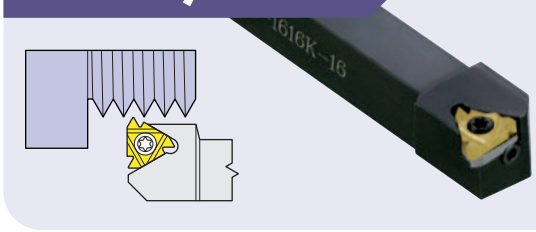
FIG-1 Item code 雙重鎖固 Screw+Clamp	Spare parts	FIG-2 Item code 螺絲鎖固 Screw	Spare parts	Dimensions,mm H(H1)	B	L	F	Insert 螺紋加工 Threading	Insert 槽加工 Grooving	Weight Kg
SER/L-1616K-16CL	④	SER/L-1616K-16	③	16	16	125	20	16ER/L	16....G	0.29
SER/L-2020K-16CL		SER/L-2020K-16		20	20	125	25			0.45
SER/L-2525M-16CL		SER/L-2525M-16		25	25	150	32			0.84
SER/L-3232P-16CL		SER/L-3232P-16		32	32	170	40			1.51
NEW SER/L-2020K-22CL	⑥	SER/L-2020K-22	⑤	20	20	125	25	22ER/L	--	0.45
SER/L-2525M-22CL		SER/L-2525M-22		25	25	150	32			0.84
		SER/L-3232P-22		32	32	170	40			1.51
NEW SER -2525M-27CL	⑧	SER/L-2525M-27	⑦	25	25	150	32	27ER/L	--	0.84
		SER/L-3232P-27		32	32	170	40			1.51

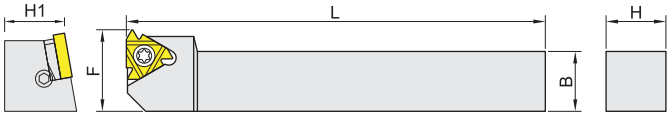
FIG-1 Item code 雙重鎖固 Screw+Clamp	Spare parts	FIG-2 Item code 螺絲鎖固 Screw	Spare parts	Dimensions,mm H(H1)	B	L	F	Insert 螺紋加工 Threading	Insert 槽加工 Grooving	Weight Kg
SER/L-1010K-16HC	②		①	10	10	125	10	16ER/L	16....G	0.11
SER/L-1212K-16HC				12	12	125	12			0.17
SER/L-1216K-16HC		SER/L-1216K-16		12	16	125	16			0.23
		SER/L-1010K-16H		10	10	125	10			0.11
		SER/L-1212K-16H		12	12	125	12			0.15
SER/L-1616K-16HC	②	SER/L-1216K-16H	①	12	16	125	16			0.23
		SER/L-1616K-16H		16	16	125	16			0.26

※走心式刀 SWISS-TYPE

※裝插槽刀片時，加工深度及最小加工徑會因刀桿實際狀況而異(The application depth and minimum working diameter will be various according to situation of setting grooving insert.)

SKER/L





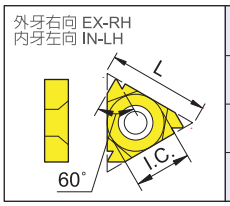
Right-hand shown

Item code	Dimensions,mm				Insert		Spare parts	Weight Kg
	H (H1)	B	L	F	螺紋加工 Threading	槽加工 Grooving		
SKER/L-1212K-16	12	12	125	18	16ER/L	16....G	①	0.17
SKER/L-1616K-16	16	16	125	22			③	0.29
SKER/L-2020K-16	20	20	125	27				0.45
SKER/L-2525M-16	25	25	150	34				0.84

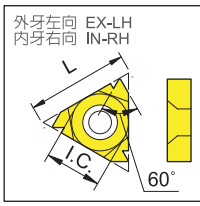
※裝插槽刀片時，加工深度及最小加工徑會因刀桿實際狀況而異(The application depth and minimum working diameter will be various according to situation of setting grooving insert.)

Insert	Spare parts	Screw	Wrench	Shim	Screw	Wrench	Clamp	Wrench
16ER/L	①	MS3509A	ETF15	--	--	--	--	--
16ER/L	②	MS3509A	--	--	--	--	MC35-3V	ETF15
16ER/L	③	MS3512A	ETF15	GXE/N 16	HTM309	PL25	--	--
16ER/L	④	MS3512A	--	GXE/N 16	HTM309	PL25	MC35-3V	ETF15
22ER/L	⑤	MS4516A	ETF20	GXE/N 22	HTM412	PL30	--	--
22ER/L	⑥	MS4516A	ETF20	GXE/N 22	HTM412	PL30	MC35-3V	ETF15
27ER/L	⑦	MS5022E	ETL25	GXE/N 27	HTM512HC	PL40	--	--
27ER/L	⑧	MS5022E	ETL25	GXE/N 27	HTM512HC	PL40	MC50V	ETF20

※ 牙刀片請參考 107-108 頁Please refer to page 107-108 for threading insert.



Steel 鋼	P	●	●	●	●
Stainless steel 不銹鋼	M	●	●	●	●
Cast iron 鑄鐵	K			●	●
Non-ferrous metal 非鐵金屬	N				●	●



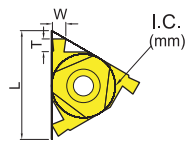
Steel 鋼	P	●	●	●	●
Stainless steel 不銹鋼	M	●	●	●	●
Cast iron 鑄鐵	K			●	●
Non-ferrous metal 非鐵金屬	N				●	●

Description	公制規格 Metric	Pitch (mm)	英制規格 Inch	Pitch (TPI)	GRADE 材質 Coated 塗層 BMA R	BMA L	GC10F DW946 R	GC10F DW946 L	Uncoated 無塗層 K15 R	K15 L
06IR/L	A60	0.5~1.5	A60	48-16						
			32 UN	32						
			28 UN	28						
			24 UN	24						
			20 UN	20						
			18 UN	18						
08IR/L	A60	0.5~1.5	A60	48-16						
08NR/L	0.5 ISO	0.50	32 UN	32						
	0.75 ISO	0.75	28 UN	28						
	1.0 ISO	1.00	24 UN	24						
	1.25 ISO	1.25	20 UN	20						
	1.5 ISO	1.50	18 UN	18						
	1.75 ISO	1.75	16 UN	16						
			14 UN	14						
11IR/L	A60	0.5~1.5	A60	48-16						
11NR/L	0.35 ISO	0.35	72 UN	72						
11ER/L	0.4 ISO	0.40	64 UN	64						
	0.45 ISO	0.45	56 UN	56						
	0.5 ISO	0.50	48 UN	48						
	0.6 ISO	0.60	44 UN	44						
	0.7 ISO	0.70	40 UN	40						
	0.75 ISO	0.75	36 UN	36						
	0.8 ISO	0.80	32 UN	32						
	1.0 ISO	1.00	28 UN	28						
	1.25 ISO	1.25	27 UN	27						
	1.5 ISO	1.50	24 UN	24						
	1.75 ISO	1.75	20 UN	20						
	2.0 ISO	2.00	18 UN	18						
			16 UN	16						
			14 UN	14						
			13 UN	13						
			12 UN	12						
			11 UN	11						

Description	公制規格 Metric	Pitch (mm)	英制規格 Inch	Pitch (TPI)	GRADE 材質 Coated 塗層 BMA R	BMA L	GC10F DW946 R	GC10F DW946 L	Uncoated 無塗層 K15 R	K15 L
16IR/L	AG60	0.5~3.0	AG60	48-8						
16NR/L	A60	0.5~1.5	A60	48-16						
16ER/L	G60	1.75~3.0	G60	14-8						
	0.35 ISO	0.35	72 UN	72						
	0.4 ISO	0.40	64 UN	64						
	0.45 ISO	0.45	56 UN	56						
	0.5 ISO	0.50	48 UN	48						
	0.6 ISO	0.60	44 UN	44						
	0.7 ISO	0.70	40 UN	40						
	0.75 ISO	0.75	36UN	36						
	0.8 ISO	0.80	32 UN	32						
	1.0 ISO	1.00	28 UN	28						
	1.25 ISO	1.25	27 UN	27						
	1.5 ISO	1.50	24 UN	24						
	1.75 ISO	1.75	20UN	20						
	2.0 ISO	2.00	18 UN	18						
	2.5 ISO	2.50	16 UN	16						
	3.0 ISO	3.00	14 UN	14						
			13 UN	13						
			12 UN	12						
			11.5 UN	11.5						
			11 UN	11						
			10 UN	10						
			9 UN	9						
			8 UN	8						
22IR/L	N60	3.5~5.0	N60	7-5						
22NR/L	3.5 ISO	3.50	7 UN	7						
22ER/L	4.0 ISO	4.00	6 UN	6						
	4.5 ISO	4.50	5 UN	5						
	5.0 ISO	5.00								
	5.5 ISO	5.50								
	6.0 ISO	6.00								
27IR/L	Q60	5.5~6.0	Q60	4.5-4						
27NR/L	5.5ISO	5.50	4.5 UN	4.5						
27ER/L	6.0ISO	6.00	4 UN	4						

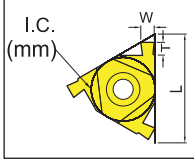
L(mm)	6	8	11	16	22	27
I.C.(mm)	3.969	4.763	6.35	9.525	12.7	15.875

ER



Steel 鋼	P	●			
Stainless steel 不銹鋼	M	●			
Cast iron 鑄鐵	K	●			
Non-ferrous metal 非鐵金屬	N				

NR



Steel 鋼	P	●			
Stainless steel 不銹鋼	M	●			
Cast iron 鑄鐵	K	●			
Non-ferrous metal 非鐵金屬	N				

Description	公制 規格 Metric	W (mm)	T (mm)	GRADE 材質 Coated 塗層 GC35 R	L	Uncoated 無塗層 R	L
11NR	0.5G	0.5	1.4				
	1.0G	1.0	1.4				
	1.2G	1.2	1.4				
	1.5G	1.5	1.4				

Description	公制 規格 Metric	W (mm)	T (mm)	GRADE 材質 Coated 塗層 GC35 R	L	Uncoated 無塗層 R	L
16NR	1.0G	1.0	1.4				
	1.2G	1.2	1.6				
	1.95G	1.95	2.0				
	2.25G	2.25	2.25				

L(mm)	11	16
I.C.(mm)	6.35	9.525

16	N	R	1.5	ISO	GC10F
1	2	3	4	5	6

1 刀片邊長 Edge Length(mm)

6	IC=3.969
8	IC=4.763
11	IC=6.35
16	IC=9.525
22	IC=12.70
27	IC=15.875

2 車刀類型 Type of insert

E	External 外徑車削
N	Internal 內徑車削

3 車刀方向 Hand of Tool

R	Right Hand 右手車削
L	Left Hand 左手車削

4 牙距 Pitch

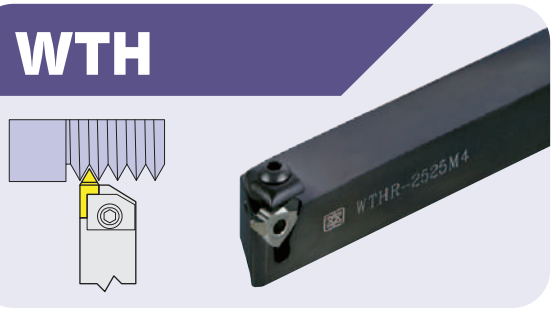
通用螺紋規格 Partial Profile		
編號Code	mm	T.P.I
A	0.5-1.5	48-16
AG	0.5-3.0	48-8
G	1.75-3.0	14-8
N	3.5-5.0	7-5
Q	5.5-6.0	4.5-4

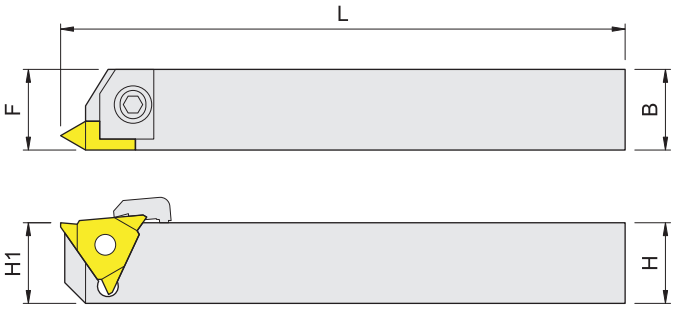
專用螺紋規格 Full Profile	
	Pitch
mm	0.35-12
T.P.I	72-2

5 螺紋規範 Thread Standard

55	通用螺紋規格55° Partial Profile55°
60	通用螺紋規格60° Partial Profile60°
ISO	公制60° Metric60°
UN	美規60° UN60°
G	開槽
R	圓槽
TR(TRAPEZ)	TR 30° 梯形螺紋
ACME	美規29° 梯形螺紋 (ACME)
W	惠氏55° 平行管螺紋Whitworth, (PF, PS)
BSPT	英規55° 錐度管螺紋 (PT)
NPT	美規60° 錐度管螺紋 (NPT)

WTH





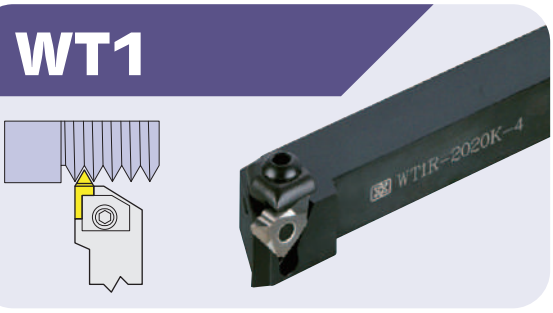
Right-hand shown

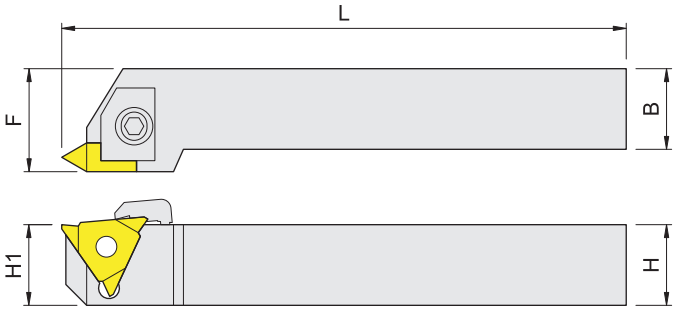
功能：螺紋 Threading

Item code	Dimensions,mm				Insert	Spare parts	Weight Kg
	H (H1)	B	L	F			
WTHR/L-2020K4	20	20	125	20	MTTR/L 43..	①	0.39
WTHR/L-2525M4	25	25	150	25			0.74
WTHR-3232P4	32	32	170	32			1.37

Insert	Spare parts	Clamp	Spring	Screw	Wrench
MTTR/L 43..	①	MTK1R/L	MES3	HTR623	PL40

WT1





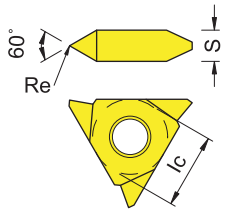
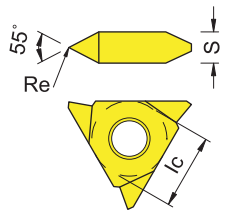
Right-hand shown

功能：螺紋 Threading

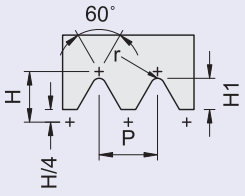
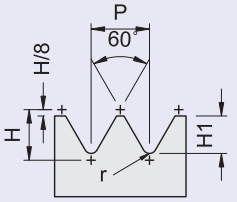
Item code	Dimensions,mm				Insert	Spare parts	Weight Kg
	H (H1)	B	L	F			
WT1R/L-1616K4	16	16	125	20	MTTR/L 43..	①	0.29
WT1R/L-2020K4	20	20	125	25			0.45
WT1R/L-2525M4	25	25	150	32			0.84

Insert	Spare parts	Clamp	Spring	Screw	Wrench
MTTR/L 43..	①	MTK1R/L	MES3	HTR623	PL40

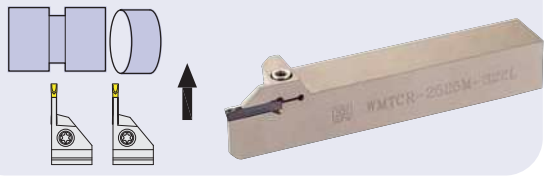
被切削材 Workpiece material					
	Steel 鋼	P	●	●	●
	Stainless steel 不銹鋼	M	●	●	●
	Cast iron 鑄鐵	K	●	●	●
	Non-ferrous metal 非鐵金屬	N			

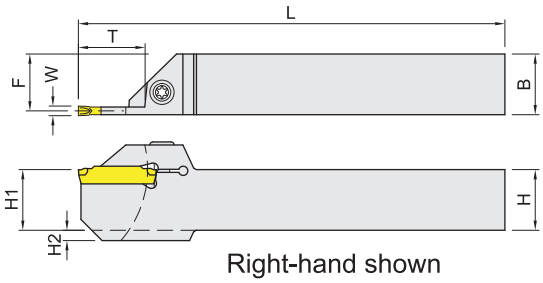
Insert Shape	Description	GRADE 材質 Coated 塗層 GT25	Uncoated 無塗層 NM936	Cermet 金屬陶瓷 NY140	牙距mm(牙數) Pitch	Dimensions,mm Re	Ic	S
 Right-hand	MTTR436000				~0.8	0	12.7	4.76
	MTTR436001		●		1.0~1.75	0.1	12.7	4.76
	MTTL436001		●	●	1.0~1.75	0.1	12.7	4.76
	MTTR436002	●	●	●	2.0~2.5	0.2	12.7	4.76
	MTTL436002			●	2.0~2.5	0.2	12.7	4.76
	MTTR436003				3.0~3.5	0.3	12.7	4.76
	MTTL436003				3.0~3.5	0.3	12.7	4.76
	MTTR436004	●			4.0~4.5	0.4	12.7	4.76
 Right-hand	MTTR435501				(28~10)	0.1	12.7	4.76
	MTTR435502				(16~8)	0.2	12.7	4.76
	MTTR435503				(11~8)	0.3	12.7	4.76

外徑牙刀切削深度及切削次數 Standard Cutting Depth

	P	0.75	1.25	1.5	1.75	2	2.5	3	3.5	4	4.5
	H1	0.46	0.77	0.92	1.07	1.23	1.53	1.84	2.15	2.45	2.76
	r	0.11	0.18	0.22	0.25	0.29	0.36	0.43	0.5	0.58	0.65
陰螺紋 Female Thread  陽螺紋 Male Thread 	1	0.18	0.2	0.25	0.25	0.25	0.3	0.3	0.35	0.35	0.4
	2	0.13	0.18	0.2	0.2	0.25	0.25	0.25	0.3	0.3	0.35
	3	0.1	0.12	0.15	0.2	0.2	0.2	0.25	0.25	0.25	0.3
	4	0.05	0.12	0.15	0.15	0.15	0.2	0.2	0.2	0.25	0.25
	5		0.1	0.1	0.12	0.15	0.15	0.2	0.2	0.25	0.25
	6		0.05	0.07	0.1	0.1	0.1	0.15	0.2	0.2	0.2
	7				0.05	0.08	0.1	0.15	0.15	0.2	0.2
	8					0.05	0.1	0.1	0.15	0.15	0.15
	9						0.08	0.1	0.1	0.15	0.15
	10						0.05	0.09	0.1	0.1	0.15
	11							0.05	0.1	0.1	0.1
	12								0.05	0.1	0.1
	13									0.05	0.1
	14										0.06

WMTC

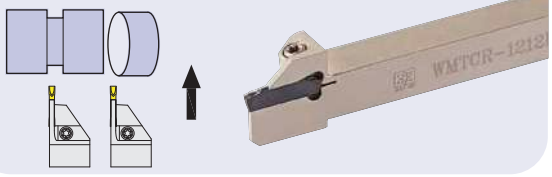


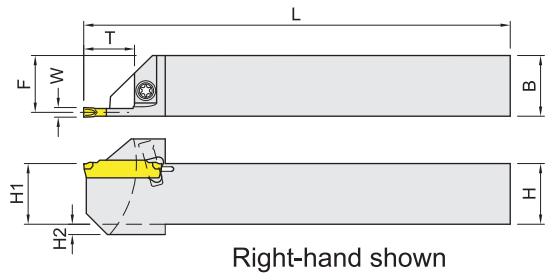


Right-hand shown

Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
WMTCR/L-2020K-216L	20	20	125	19.15	16	--	2.0	WMTC020..	HTMT525	ETL25	0.41
WMTCR-2525M-216L	25	25	150	24.15		--					0.78
WMTCR/L-2020K-220L	20	20	125	19.15	20	--					0.41
WMTCR/L-2525M-220L	25	25	150	24.15		--					0.78
WMTCR/L-1616K-322L	16	16	125	14.8	22	4	3.0	WMTC030..			0.25
WMTCR/L-2020K-322L	20	20	125	18.8		--					0.41
WMTCR/L-2525M-322L	25	25	150	23.8		--					0.78

WMTC..LH



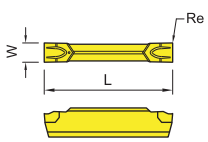


Right-hand shown

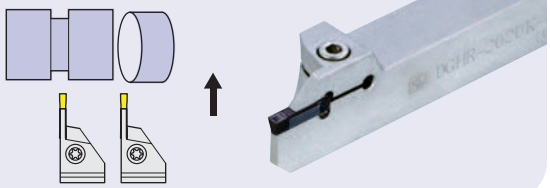
Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
WMTCR/L-1010K-1512LH	10	10	125	9.4	12	4	1.5	WMTC015..	MS4013F	ETL15	0.10
WMTCR/L-1212K-1512LH	12	12	125	11.4	12	2					0.17
WMTCR/L-1616K-1512LH	16	16	125	15.4	12	--					0.25
WMTCR/L-1010K-212LH	10	10	125	9.15	12	4	2.0	WMTC020..			0.10
WMTCR/L-1212K-212LH	12	12	125	11.15	12	2					0.17
WMTCR/L-1616K-216LH	16	16	125	15.15	16	--					0.25
WMTCR-1212K-2B12LH	12	12	125	11.1	12	2	2.39	WMTC094..			0.17
WMTCR-1616K-2B16LH	16	16	125	15.1	16	--					0.25
WMTCR-1212K-316LH	12	12	125	10.8	16	4	3.0	WMTC030..			0.17
WMTCR/L-1616K-316LH	16	16	125	14.8	16	--					0.25

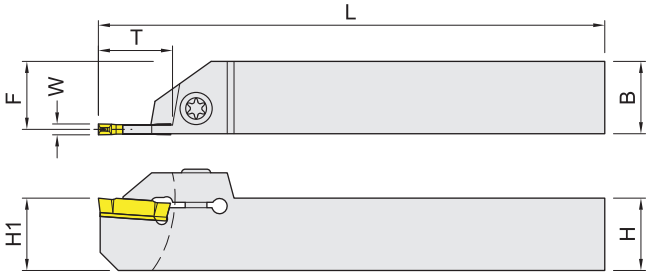
※走心式刀 SWISS-TYPE

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	
	Non-ferrous metal 非鐵金屬	N	●

Insert Shape	Description	GRADE 材質 Coated 塗層 WU25PT	Dimensions,mm W	Re	L
	**WMTC015N00CMW08**	●	1.50	0.08	19.30
	WMTC020N00CMW08	●	2.00	0.08	19.21
	WMTC094N00CMW13	●	2.39	0.13	22.32
	WMTC030N00CMW17	●	3.00	0.17	25.38

DGH



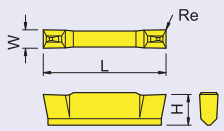
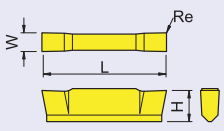


Right-hand shown

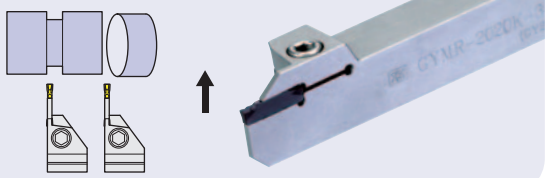
Item code	Dimensions,mm					Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T					
DGHR-1616K-2-16L	16	16	125	15.2	16	2.0	DGM20CE	HTMT520	ETL25	0.27
DGHR-2020K-2-16L	20	20	125	19.2				HTMT525		0.42
DGHR/L-1616K-2-20L	16	16	125	15.2	20	2.0	DGM20CE	HTMT520	ETL25	0.27
DGHR/L-2020K-2-20L	20	20	125	19.2				HTMT525		0.42
DGHR/L-2020K-3-12L	20	20	125	18.8	12	3.0	DGM30CT DGJ30CTM	HTMT525	ETL25	0.42
DGHR/L-2525M-3-12L	25	25	150	23.8						0.78
DGHR/L-1616K-3-16L	16	16	125	14.8	16	3.0	DGM30CT DGJ30CTM	HTMT520	ETL25	0.27
DGHR/L-2020K-3-16L	20	20	125	18.8				HTMT525		0.42
DGHR/L-2525M-3-16L	25	25	150	23.8						0.78
DGHR/L-1616K-3-20L	16	16	125	14.8	20	3.0	DGM30CT DGJ30CTM	HTMT520	ETL25	0.27
DGHR/L-2020K-3-20L	20	20	125	18.8				HTMT525		0.42
DGHR/L-2525M-3-20L	25	25	150	23.8						0.78
DGHR/L-1616K-3-25L	16	16	125	14.8	25	3.0	DGM30CE DGJ30CEM	HTMT520	ETL25	0.27
DGHR/L-2020K-3-25L	20	20	125	18.8				HTMT525		0.42
DGHR/L-2525M-3-25L	25	25	150	23.8						0.78
DGHR-3232P-3-25L	32	32	170	30.8						1.43
DGHR/L-1616K-4-20L	16	16	125	14.3	20	4.0	DGM40CT DGJ40CTM	HTMT520	ETL25	0.27
DGHR/L-2020K-4-20L	20	20	125	18.3				HTMT525		0.42
DGHR/L-2525M-4-20L	25	25	150	23.3						0.78
DGHR/L-1616K-4-25L	16	16	125	14.3	25	4.0	DGJ40CE	HTMT520	ETL25	0.27
DGHR/L-2020K-4-25L	20	20	125	18.3				HTMT525		0.42
DGHR/L-2525M-4-25L	25	25	150	23.3						0.78
DGHR-3232P-4-25L	32	32	170	30.3						1.43
DGHR/L-1616K-5-25L	16	16	125	13.95	25	5.0	DGM50CT	HTMT520	ETL25	0.27
DGHR/L-2020K-5-25L	20	20	125	17.95				HTMT525		0.42
DGHR/L-2525M-5-25L	25	25	150	22.95						0.78

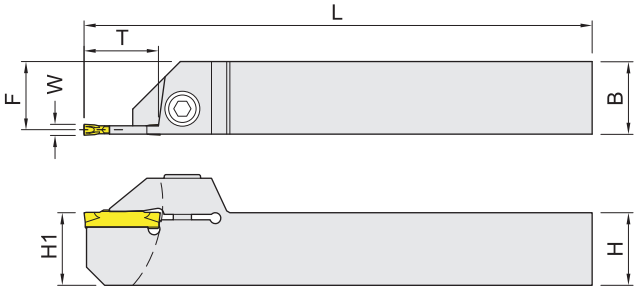
※內徑開槽刀桿DGIR 系列，請參考145 頁Please refer to page 145 for internal grooving tool holders.

被切削材 Workpiece material					
	Steel 鋼	P	●	●	●
	Stainless steel 不銹鋼	M	●	●	●
	Cast iron 鑄鐵	K	●	●	●
	Non-ferrous metal 非鐵金屬	N			

Insert Shape	Description		GRADE 材質 Coated 塗層			Dimensions,mm			
			GT25	GV65	MW925	W	L	H	Re
	**DGM**	**30CT**	●	●		3	20	5	0.4
		40CT	●	●		4	20	5	0.4
		50CT	●			5	25	6	0.4
	DGM	**30CE**	●			3	25	5	0.2
	**DGJ**	**30CTM**			●	3	20	5	0.4
		40CTM			●	4	20	5	0.4
		30CEM			●	3	25	5	0.2
		40CE			●	4	25	6	0.2

GYM

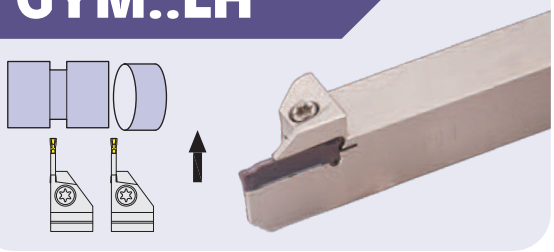


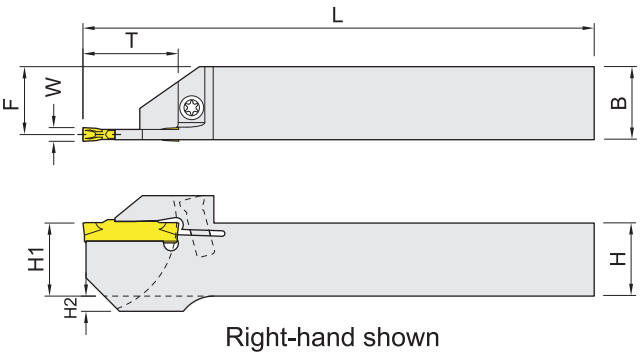


Right-hand shown

Item code	Dimensions,mm					Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T					
GYMR/L-2525M-2-10L	25	25	150	24.25	10	2.0	GY2M02..D	HTM630	PL50	0.78
GYMR-2020K-2-13L	20	20	125	19.25	13			HTM625		0.42
GYMR/L-2525M-2-13L	25	25	150	24.25				HTM630		0.78
GYMR-2020K-2-18L	20	20	125	19.25	18			HTM625		0.42
GYMR/L-2525M-2-18L	25	25	150	24.25				HTM630		0.78
GYMR-2020K-3-08L	20	20	125	18.85	8	3.0	GY2M03..F	HTM625	PL50	0.42
GYMR-2525M-3-08L	25	25	150	23.85				HTM630		0.78
GYMR-2020K-3-12L	20	20	125	18.85	12			HTM625		0.42
GYMR/L-2525M-3-12L	25	25	150	23.85				HTM630		0.78
GYMR/L-3232P-3-12L	32	32	170	30.85						1.43
GYMR/L-2020K-3-20L	20	20	125	18.85	20			HTM625		0.42
GYMR/L-2525M-3-20L	25	25	150	23.85				HTM630		0.78
GYMR/L-2020K-4-20L	20	20	125	18.35	20	4.0	GY2M04..G	HTM625	PL50	0.42
GYMR-2525M-4-20L	25	25	150	23.35				HTM630		0.78
GYMR/L-2020K-5-20L	20	20	125	17.95	20	5.0	GY2M05..H	HTM625	PL50	0.42
GYMR-2525M-5-20L	25	25	150	22.95				HTM630		0.78
GYMR-3232P-5-20L	32	32	170	29.95						1.43

GYM..LH





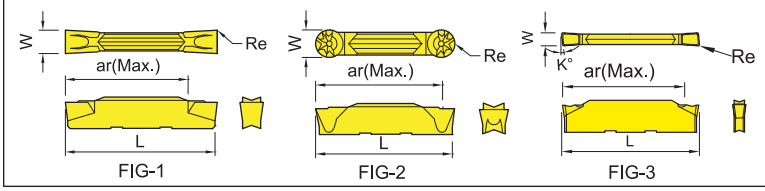
Right-hand shown

Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
GYMR/L-1010K-2-11LH	10	10	125	9.25	11	2	2.0	GY2M02..D	MS4013F	ETL15	0.10
GYMR/L-1212K-2-13LH	12	12	125	11.25	13	2					0.17
GYMR/L-1212K-2-17LH	12	12	125	11.25	17	2					0.17
GYMR/L-1616K-2-13LH	16	16	125	15.25	13	--					0.25
GYMR/L-1616K-2-18LH	16	16	125	15.25	18	--					0.25
GYMR-1616K-3-16LH	16	16	125	14.85	16	--	3.0	GY2M03..F			0.25
GYMR-1616K-3-20LH	16	16	125	14.85	20	--					0.25

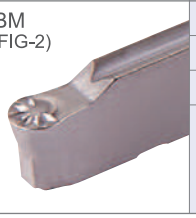
※走心式刀 SWISS-TYPE

※內徑開槽刀桿GYIR 系列，請參考147 頁Please refer to page 147 for internal grooving tool holders.

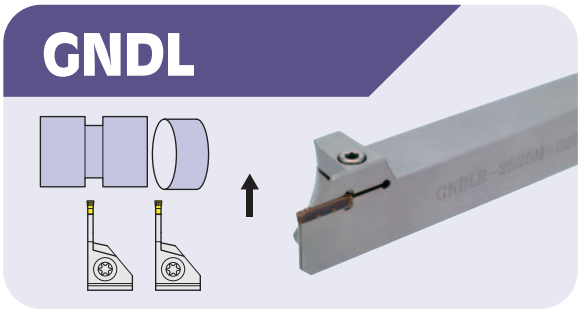
Insert Shape

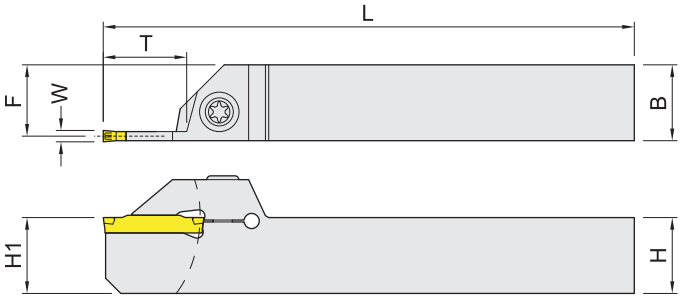


Steel 鋼	P	●	●	
Stainless steel 不銹鋼	M	●	●	
Cast iron 鑄鐵	K	●	●	
Non-ferrous metal 非鐵金屬	N			●

屑槽樣式 Breaker Name		Description	Dimensions,mm					GRADE 材質		
								Coated 塗層	Uncoated 無塗層	
			W	L	ar(Max.)	Re	K	NW950	NY942	NM502
多機能/横向 (精加工) For Multifunctional Grooving (Finishing)	MF (FIG-1)	GY2G0200D020N-MF	2	21.05	19.5	0.2	--		●	●
		GY2G0300F020N-MF	3	21.05	19.5	0.2	--		●	●
		GY2G0400G020N-MF	4	25.95	24.9	0.2	--		●	●
		GY2G0500H020N-MF	5	25.95	24.2	0.2	--		●	○
多機能/横向 (小進給加工) For Multifunctional Grooving (Finishing)	MS (FIG-1)	GY2M0200D020N-MS	2	20.70	19.1	0.2	--	●	●	
		GY2M0300F020N-MS	3	20.70	19.2	0.2	--	●	●	
		GY2M0300F040N-MS		20.70	18.9	0.4	--	●		
		GY2M0400G040N-MS	4	25.65	23.9	0.4	--	●	●	
		GY2M0500H040N-MS	5	25.65	23.9	0.4	--	●	●	
多機能/横向 (小進給加工) For Multifunctional Grooving	MM (FIG-1)	GY2M0200D020N-MM	2	20.70	19.1	0.2	--	●	●	
		GY2M0300F020N-MM	3	20.70	19.1	0.2	--	●	●	
		GY2M0300F040N-MM		20.70	18.9	0.4	--	●		
		GY2M0400G040N-MM	4	25.65	24.1	0.4	--	●	●	
		GY2M0500H040N-MM	5	25.65	23.9	0.4	--	●	●	
中進給加工 切斷●切槽 Grooving / Cutting off (Medium feeds)	GM (FIG-1)	GY2M0200D020N-GM	2	20.70	19.4	0.2	--	●	●	
		GY2M0300F030N-GM	3	20.70	19.4	0.3	--	●	●	
		GY2M0400G030N-GM	4	25.65	24.4	0.3	--	●	●	
		GY2M0500H040N-GM	5	25.65	24.3	0.4	--	●	●	
	GM-5D (FIG-3)	GY2M0200D02L5GM	2	20.80	19.5	0.2	5°	●		
		GY2M0200D02R5GM		20.80	19.5	0.2	5°	●		
		GY2M0300F03L5GM	3	20.85	19.5	0.3	5°	●		
		GY2M0300F03R5GM		20.85	19.5	0.3	5°	●		
		GY2M0400G03R5GM	4	25.85	24.5	0.3	5°	●		
		GY2M0500H04R5GM	5	25.95	24.5	0.4	5°	●		
仿型/横向 For Copying	BM (FIG-2) 	GY2M0200D100N-BM	2	20.90	19.5	1.0	--	●	●	
		GY2M0300F150N-BM	3	20.90	19.0	1.5	--	●	●	
		GY2M0400G200N-BM	4	25.80	23.4	2.0	--	●	●	
		GY2M0500H250N-BM	5	25.80	22.8	2.5	--	●	●	

GNDL



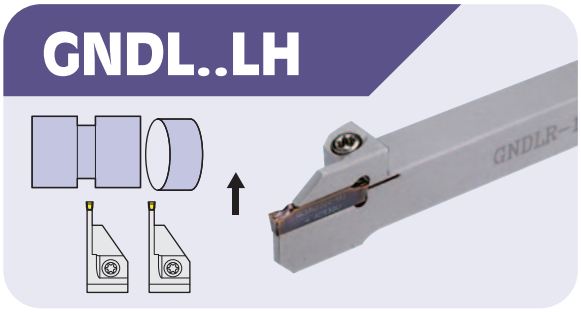


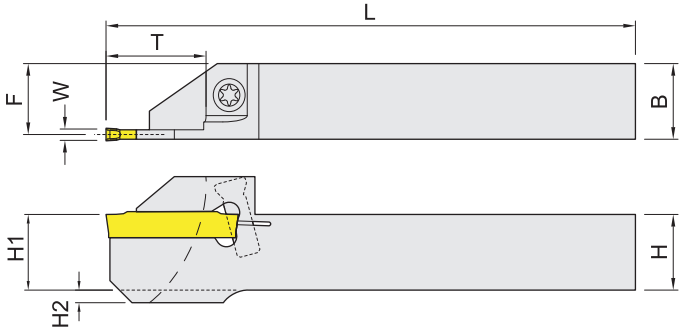
功能：開槽 Grooving / 切斷 Cut-off

Right-hand shown

Item code	Dimensions,mm					Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T					
GNDLR/L-2020K-220T	20	20	125	19.2	20	2.0	GCMN20…	HTMT525	ETL25	0.45
GNDLR/L-2525M-220T	25	25	150	24.2						0.84
GNDLR/L-1616K-320T	16	16	125	14.9	20	3.0	GCMN30…	HTMT520		0.24
GNDLR/L-2020K-320T	20	20	125	18.9				HTMT525		0.45
GNDLR/L-2525M-320T	25	25	150	23.9						0.84
GNDL /L-1616K-322T	16	16	125	14.9	22			HTMT520		0.24
GNDLR/L-2020K-420T	20	20	125	18.5	20	4.0	GCMN40…	HTMT525		0.45
GNDLR/L-2020K-425T	20	20	125	18.5	25					0.45
GNDLR/L-2525M-425T	25	25	150	23.5						0.84

GNDL..LH





功能：開槽 Grooving / 切斷 Cut-off

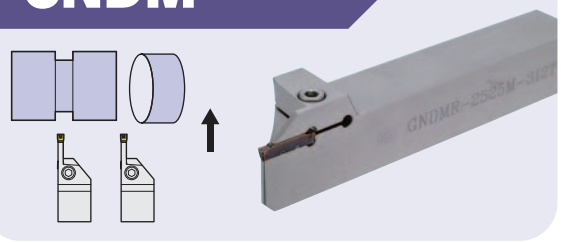
Right-hand shown

Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
GNDLR/L-1212K-216LHT	12	12	125	11.25	16	2	2.0	GCMN20…	MS4013F	ETL15	0.15
GNDLR/L-1616K-216LHT	16	16	125	15.25	16	--					0.24
GNDLR/L-1212K-318LHT	12	12	125	10.95	18	2	3.0	GCMN30…			0.15

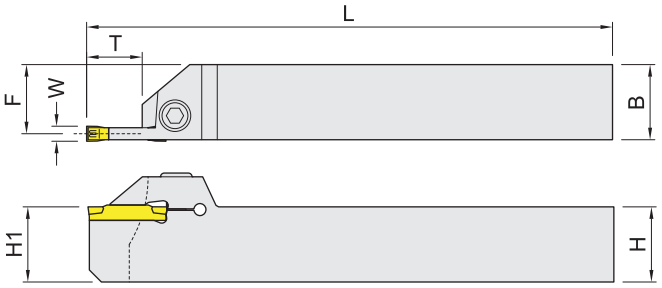
※ 走心式刀 SWISS-TYPE

※ 刀片請參考117 頁 Please refer to page 117 for insert.

GNDM



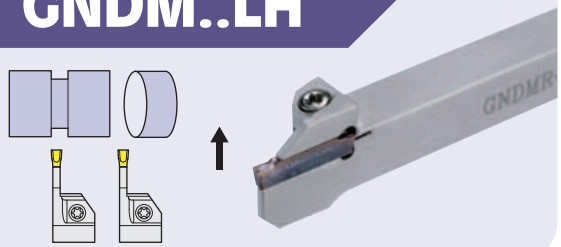
功能：開槽 Grooving / 橫送 Turning / 仿型 Profiling



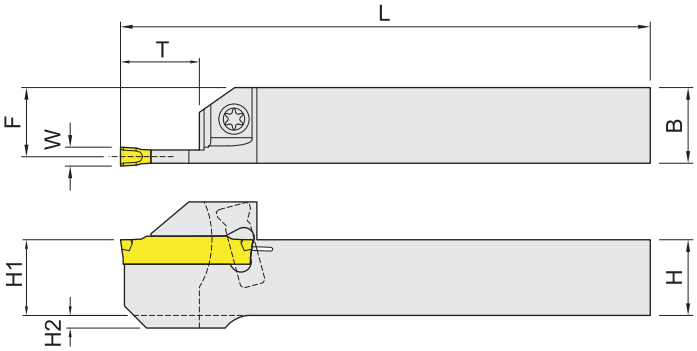
Right-hand shown

Item code	Dimensions,mm					Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T					
GNDMR-1616K-312T	16	16	125	14.9	12	3.0	GCMN30…	HTMT520	ETL25	0.24
GNDMR-2020K-312T	20	20	125	18.9				HTMT525		0.45
GNDMR-2525M-312T	25	25	150	23.9						0.84
GNDMR-2020K-418T	20	20	125	18.5	18	4.0	GCMN40…			0.45
GNDMR-2525M-418T	25	25	150	23.5						0.84
GNDMR/L-2525M-518T	25	25	150	23	18	5.0	GCMN50…	HTM630	PL50	0.84
GNDMR/L-2525M-618T	25	25	150	22.5		6.0	GCMN60…			0.84

GNDM..LH



功能：開槽 Grooving / 橫送 Turning / 仿型 Profiling



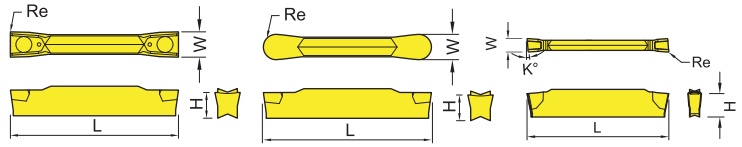
Right-hand shown

Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
GNDMR/L-1212K-312LHT	12	12	125	10.95	12	2	3.0	GCMN30…	MS4013F	ETL15	0.15

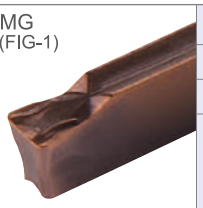
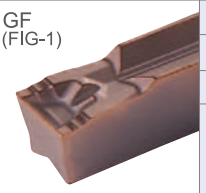
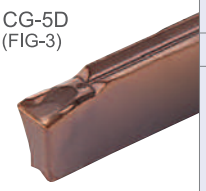
※走心式刀 SWISS-TYPE

※刀片請參考117 頁Please refer to page 117 for insert.

Insert Shape



Steel 鋼	P	●	●	
Stainless steel 不銹鋼	M	●	●	
Cast iron 鑄鐵	K	●		●
Non-ferrous metal 非鐵金屬	N			

屑槽樣式 Breaker Name		Description	Dimensions,mm					GRADE 材質 Coated 塗層		
			W	L	H	Re	K	AC530U	AC830P	AC425K
多機能/横向 (泛用型) For Multifunctional Grooving (General Purpose)	MG (FIG-1) 	**GCMN3004-MG**	3	21.1	3.8	0.4	--	●		●
		GCMN4008-MG	4	26.4	4.0	0.8	--	●		●
		GCMN5008-MG	5	26.4	4.1	0.8	--	●		●
		GCMN6008-MG	6	26.4	4.5	0.8	--		●	●
多機能/横向 (低送型) For Multifunctional Grooving (Low feed)	ML (FIG-1)	**GCMN3002-ML**	3	21.1	3.8	0.2	--	○		●
		GCMN4004-ML	4	26.4	4.0	0.4	--	●		●
		GCMN5004-ML	5	26.4	4.1	0.4	--	●		
		GCMN6004-ML	6	26.4	4.5	0.4	--			●
仿型/横向 (泛用型) For Profiling (General Purpose)	RG (FIG-2)	**GCMN3015-RG**	3	21.1	3.8	1.5	--	●		
		GCMN4020-RG	4	26.4	4.0	2.0	--	●		
		GCMN5025-RG	5	27.2	4.1	2.5	--	●		
		GCMN6030-RG	6	27.5	4.5	3.0	--			
切斷●切槽 (泛用型) For Grooving / Cut-off (General Purpose)	GG (FIG-1)	**GCMN2002-GG**	2	21.1	3.6	0.2	--	●		
		GCMN3004-GG	3	21.1	3.8	0.4	--			
		GCMN4004-GG	4	26.4	4.0	0.4	--		●	
		GCMN5004-GG	5	26.4	4.1	0.4	--			
		GCMN6004-GG	6	26.4	4.5	0.4	--	●		
切斷●切槽 (低抵抗) For Grooving / Cut-off (Low Cutting Force)	GF (FIG-1) 	**GCMN3002-GF**	3	21.1	3.8	0.2	--	○		
		GCMN4002-GF	4	26.4	4.0	0.2	--	○		
		GCMN5002-GF	5	26.4	4.1	0.2	--	○		
		GCMN6002-GF	6	26.4	4.5	0.2	--	●		
切斷●切槽 (切斷) Grooving / Cut-off	CG-5D (FIG-3) 	**GCMR/L2002-CG05**	2	21.1	3.6	0.2	5°	●		
		GCMR/L3002-CG05	3	21.3	3.8	0.2	5°	○		
		GCMR/L4002-CG05	4	26.7	4.0	0.2	5°	○		

MGEH

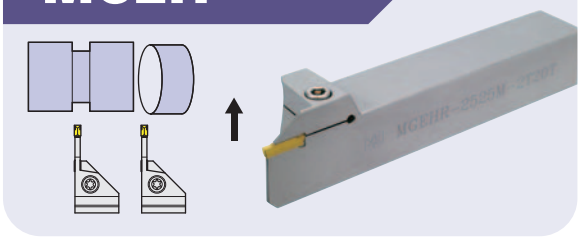


FIG-2

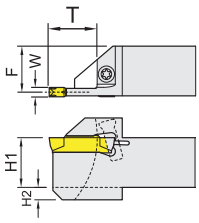
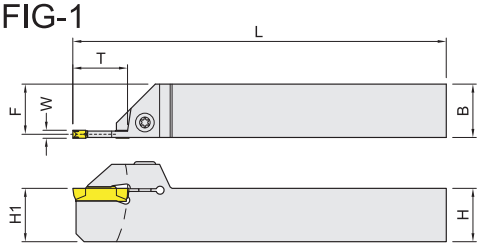


FIG-1



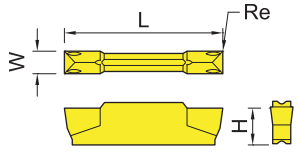
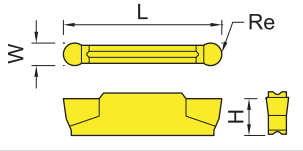
Right-hand shown

FIG-1 Item code	Dimensions,mm					Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T					
MGEHR/L-1616K-2T16T	16	16	125	15.25	16	2.0	MGMN200..	HTMT520	ETL25	0.26
MGEHR/L-2020K-2T20T	20	20	125	19.25	20			HTMT525		0.41
MGEHR/L-2525M-2T20T	25	25	150	24.25	20					0.77
MGEHR/L-1616K-3T20T	16	16	125	14.8	20	3.0	MGMN300..	HTMT520	ETL25	0.26
MGEHR/L-2020K-3T20T	20	20	125	18.8	20			HTMT525		0.41
MGEHR/L-2525M-3T20T	25	25	150	23.8	20					0.77
MGEHR/L-2020K-4T20T	20	20	125	18.35	20	4.0	MGMN400..	HTMT525	ETL25	0.41
MGEHR/L-2525M-4T20T	25	25	150	23.35	20					0.77

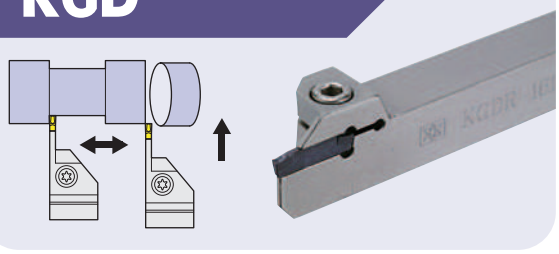
FIG-2 Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
MGEHR/L-0808K-1.5TH06T	08	08	125	7.4	06	4	1.5	MGMN150..	MS4013F	ETL15	0.09
MGEHR/L-1010K-1.5TH10T	10	10	125	9.4	10	2					0.12
MGEHR/L-1212K-1.5TH12T	12	12	125	11.4	12	2					0.16
MGEHR/L-1010K-2TH10T	10	10	125	9.25	10	2	2.0	MGMN200..			0.12
MGEHR/L-1212K-2TH12T	12	12	125	11.25	12	2					0.16
MGEHR/L-1616K-2TH12T	16	16	125	15.25	12	--					0.26
MGEHR/L-1212K-2.5TH13T	12	12	125	11.0	13	2	2.5	MGMN250..			0.16

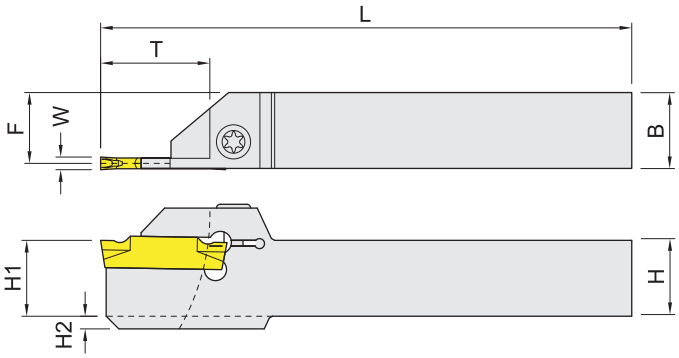
※走心式刀 SWISS-TYPE
※外徑端面開槽刀桿MGFHR 系列，請參考142 頁Please refer to page 142 for face grooving tool holders.

被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M		●	
	Cast iron 鑄鐵	K		●	
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description		GRADE 材質			Dimensions,mm				
			Coated 塗層		Uncoated 無塗層					
			NC3030	PC5300	H01	W	L	H	Re	K°
	**MGMN**	**150-G**	●	●		1.5	16.0	3.5	0.15	--
		200-G	●	○	●	2.0	16.0	3.5	0.2	--
		250-G	●	●		2.5	18.5	3.85	0.2	--
		300-G			●	3.0	21.0	4.8	0.4	--
		400-G	●			4.0	21.0	4.8	0.4	--
	**MRMN**	**200-M**	●			2.0	16.0	3.5	1.0	--
		300-M	○	●		3.0	21.0	4.8	1.5	--

KGD

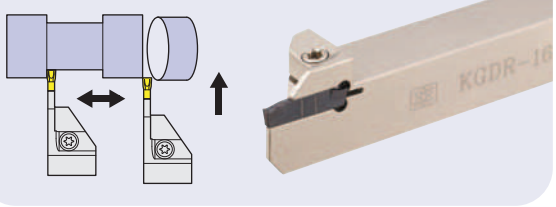


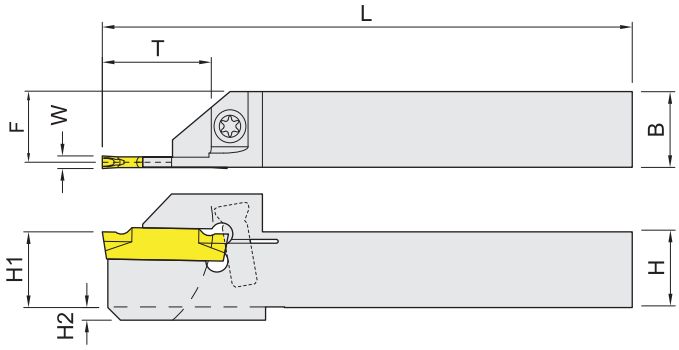


Right-hand shown

Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
KGDR/L-1616K-2T13T	16	16	125	15.2	13	--	2.0-3.0	GDM2020	HTMT520	ETL25	0.25
KGDR/L-2020K-2T17T	20	20	125	19.2	17				HTMT525		0.39
KGDR/L-2525M-2T17T	25	25	150	24.2							0.74
KGDR/L -1616K-3T20T	16	16	125	14.8	20	--	3.0-4.0	GDM3020	HTMT520		0.27
KGDR/L-2020K-3T20T	20	20	125	18.8					HTMT525		0.39
KGDR/L-2525M-3T20T	25	25	150	23.8							0.74

KGD..H





Right-hand shown

Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
KGDR/L-1212K-1.3TH12T	12	12	125	11.5	12	2	1.3	GDM1316	MS4013F	ETL15	0.14
KGDR/L-1010K-1.5TH10T	10	10	125	9.4	10	2	1.5	GDM1516			0.10
KGDR/L-1010K-2TH13T	10	10	125	9.2	13	4	2.0-3.0	GDM2020			0.10
KGDR/L-1212K-2TH13T	12	12	125	11.2		2					0.14
KGDR/L-1616K-2TH13T	16	16	125	15.2		--					0.25
KGDR/L-1212K-2TH17T	12	12	125	11.2	17	2					0.14
KGDR/L-1616K-2TH17T	16	16	125	15.2		--					0.25
KGDR-1212K-2.4TH12T	12	12	125	11	12	2	2.4-3.0	GDM2420			0.14
KGDR/L-1212K-3TH16T	12	12	125	10.8	16	2	3.0-4.0	GDM3020			0.14
KGDR/L-1616K-3TH16T	16	16	125	14.8		--					0.25

※ 走心式刀 SWISS-TYPE

※ 刀片請參考120 頁 Please refer to page 120 for insert.

Insert Shape

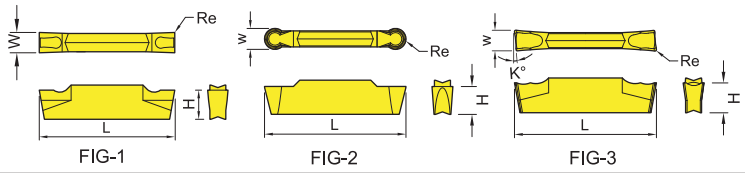
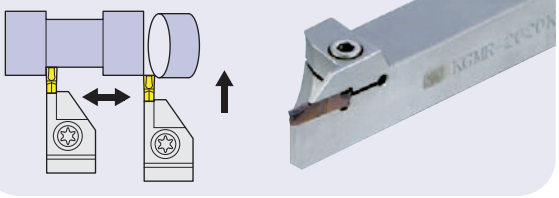


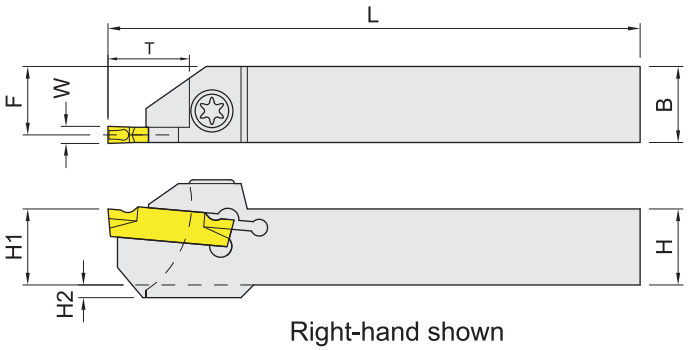
FIG-1 FIG-2 FIG-3

Steel 鋼	P	●	●	
Stainless steel 不銹鋼	M	●	●	
Cast iron 鑄鐵	K	●		
Non-ferrous metal 非鐵金屬	N			●

屑槽樣式 Breaker Name		Description	Dimensions,mm					GRADE 材質		
								Coated 塗層		Coated Carbide 硬質合金
			W	L	H	Re	K	PR1215	PR1225	GW15
切槽●切斷 (高進給) For Grooving / Cut-off (High feed)	PH (FIG-1)	**GDM2020N-020PH**	2.0	20.0	4.3	0.2	--	●	●	
		GDM3020N-030PH	3.0	20.0	4.3	0.3	--		●	
		GDM4020N-030PH	4.0	20.0	4.3	0.3	--		●	
切斷 (通用) Cut-Off (General Purpose)	PM (FIG-1)	**GDM2020N-020PM**	2.0	20.0	4.3	0.2	--		●	
		GDM2520N-020PM	2.5	20.0	4.3	0.2	--		●	
		GDM3020N-025PM	3.0	20.0	4.3	0.2	--		●	
切斷 (通用) 斜 6° Cut-Off / General Purpose (6°Lead Angle)	PM-6D (FIG-3)	**GDM2020R-020PM-6D**	2.0	20.0	4.3	0.2	6°		○	
		GDM3020R-025PM-6D	3.0	20.0	4.3	0.25	6°		●	
		GDG3020N-020GS	3.0	20.0	4.3	0.20	--		●	○
		GDG4020N-040GS	4.0	20.0	4.3	0.40	--			○
切槽/橫向 (低進給) Grooving and Turning (Low feed)	GL (FIG-1)	**GDM2420N-020GL**	2.4	20.0	4.3	0.2	--		●	
		GDM3020N-040GL	3.0	20.0	4.3	0.4	--		●	
		GDM1316N-015PF	1.3	16.0	3.7	0.15	--		●	
		GDM1516N-015PF	1.5	16.0	3.7	0.15	--		●	
切槽/橫向 (通用) Grooving and Turning (General purpose)	GM (FIG-1)	**GDM2420N-020GM**	2.4	21.1	4.3	0.2	--		●	
		GDM3020N-020GM	3.0	26.4	4.3	0.2	--	●	●	
		GDM3020N-040GM	3.0	26.4	4.3	0.4	--		●	
		GDM4020N-040GM	4.0	26.4	4.3	0.4	--		●	
圓槽.仿形 /橫向 Full-R/Copying	CM (FIG-2)	**GDM3020N-150R-CM**	3.0	20.0	4.3	1.5	--	●	●	
		GDM4020N-200R-CM	4.0	20.0	4.3	2.0	--	○	○	

KGM





Right-hand shown

Item code	Dimensions,mm						Width W(mm)		Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2	min	max				
KGMR/L-1012K-1.5-L10	10	12	125	11.4	10	2	1.5	2.0	GMM1520…	HTM416	PL30	0.14
KGMR/L-1212K-1.5-L10	12	12	125	11.4		2			GMM2020…			0.14
KGMR/L-1616K-1.5-L10	16	16	125	15.4		--				HTMT520	ETL25	0.27
KGMR/L-2020K-1.5-L10	20	20	125	19.4						HTMT525		0.42
KGMR/L-2525M-1.5-L10	25	25	150	24.4								0.78
KGMR/L-1212K-2T-L10	12	12	125	11.1	10	2	2.0	3.0	GMM2020…	HTM416	PL30	0.14
KGMR/L-1616K-2T-L10	16	16	125	15.1		--			GMM2520…	HTMT520	ETL25	0.27
KGMR/L-2020K-2T-L10	20	20	125	19.1					GMM3020...	HTMT525		0.42
KGMR/L-2525M-2T-L10	25	25	150	24.1								0.78
KGMR/L-1212K-2T-L13	12	12	125	11.1	13	3				HTM420	PL30	0.14
KGMR/L-1616K-2T-L13	16	16	125	15.1		--				HTMT520	ETL25	0.27
KGMR/L-2020K-2T-L13	20	20	125	19.1						HTMT525		0.42
KGMR/L-2525M-2T-L13	25	25	150	24.1								0.78
KGMR/L-1212K-2T-L17	12	12	125	11.1	17	4				HTM420	PL30	0.14
KGMR/L-1616K-2T-L17	16	16	125	15.1		--				HTMT520	ETL25	0.27
KGMR/L-2020K-2T-L17	20	20	125	19.1						HTMT525		0.42
KGMR/L-2525M-2T-L17	25	25	150	24.1								0.78
KGMR/L-1616K-3T-L16	16	16	125	14.8	16	--	3.0	4.0	GMM3020…	HTMT520	ETL25	0.27
KGMR/L-2020K-3T-L16	20	20	125	18.8					GMM4020…	HTMT525		0.42
KGMR/L-2525M-3T-L16	25	25	150	23.8								0.78
KGMR/L-1616K-3T-L20	16	16	125	14.8	20	4						0.27
KGMR/L-2020K-3T-L20	20	20	125	18.8		--						0.39
KGMR/L-2525M-3T-L20	25	25	150	23.8								0.78
KGMR/L-3232P-3T-L20	32	32	170	30.8								1.43
KGMR/L-2020K-4T-L20	20	20	125	18.3	20	--	4.0	5.0	GMM4020…	HTMT525	ETL25	0.42
KGMR/L-2525M-4T-L20	25	25	150	23.3					GMM5020…			0.78
KGMR/L-3232P-4T-L20	32	32	170	30.3								1.43
KGMR/L-2525M-5T-L20	25	25	150	22.8	20	--	5.0	6.0	GMM5020…	HTMT525	ETL25	0.78
KGMR/L-3232P-5T-L20	32	32	170	29.8					GMM6020…			1.43

※ 刀片請參考122 頁 Please refer to page 122 for insert.

Insert Shape

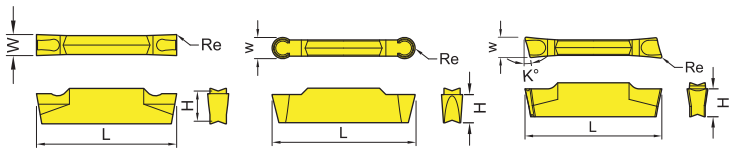
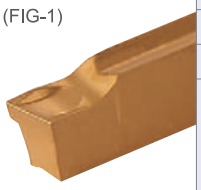
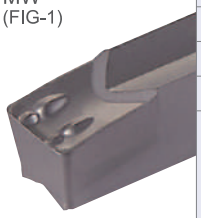
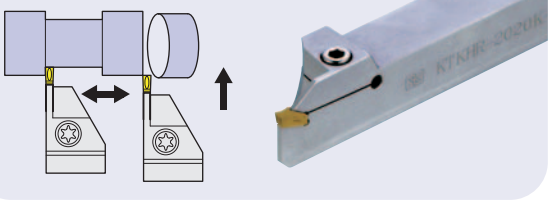


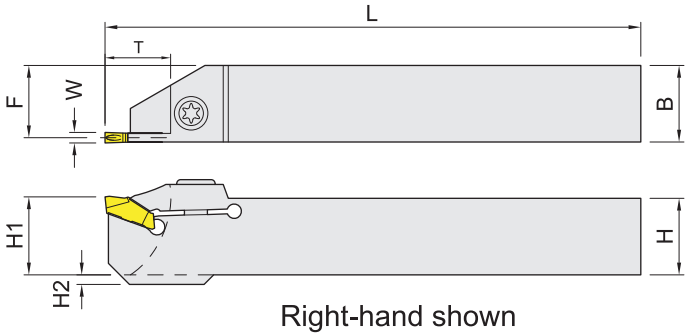
FIG-1 FIG-2 FIG-3

Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K		●
Non-ferrous metal 非鐵金屬	N		●

屑槽樣式 Breaker Name		Description	Dimensions,mm					GRADE 材質	
								Coated 塗層	Uncoated 無塗層
			W	L	H	Re	K	PR930	KW10
切斷.切深槽 (鋒利型) Deep Grooving / Cut-off Sharp-Cutting Oriented	MT (FIG-1) 	**GMM1520-MT**	1.5	20	4.3	0.0	--	●	●
		GMM2020-MT	2	20	4.3	0.0	--	●	●
		GMM2520-MT	2.5	20	4.3	0.0	--	●	●
		GMM3020-MT	3	20	4.3	0.0	--	●	●
M級圓槽.仿型 (注重排屑型) Chip Control Oriented / M Class Full-R / Copying	R (FIG-2)	**GMM3020-150R**	3	20	4.3	1.5	--	●	●
		GMM4020-200R	4	20	4.3	2.0	--		
		GMM5020-250R	5	20	4.3	2.5	--	●	
		GMM6020-300R	6	20	4.3	3.0	--		
M級/橫向 (注重排屑型) Chip Control Oriented / M Class	MW (FIG-1) 	**GMM2420-02MW**	2.4	20	4.3	0.2	--		
		GMM3020-02MW	3	20	4.3	0.2	--		
		GMM4020-04MW	4	20	4.3	0.4	--	●	●
		GMM5020-04MW	5	20	4.3	0.4	--		●
		GMM6020-04MW	6	20	4.3	0.4	--	●	
M級/橫向(鋒利型) Sharp-Cutting Oriented / M Class	MS (FIG-1)	**GMM3020-04MS**	3	20	4.3	0.4	--		
		GMM4020-04MS	4	20	4.3	0.4	--		
		GMM5020-04MS	5	20	4.3	0.4	--	●	
		GMM6020-04MS	6	20	4.3	0.4	--		
切斷 (穩定型) Cut-off Stability Oriented With lead angle	TK-8D (FIG-3)	**GMM2020R-TK-8D**	2	20	4.3	0.2	8°	○	
		GMM2520R-TK-8D	2.5	20	4.3	0.2	8°	○	
		GMM3020R-TK-8D	3	20	4.3	0.2	8°	○	●

KTKH

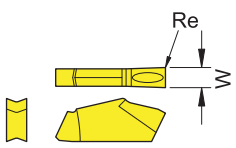
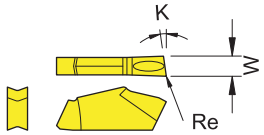




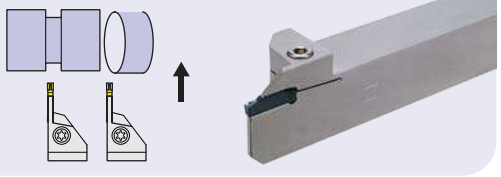
Right-hand shown

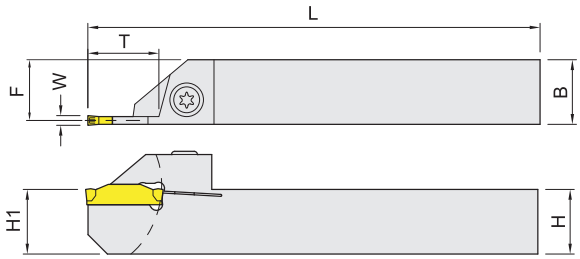
Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
KTKHR -1212K-2-13L	12	12	125	11.1	13	4	2.2	TKN2	HTM416	PL30	0.14
KTKHR -1212M-2-13L	12	12	150	11.1			2.4	TKN2.4			0.17
KTKHR -1616K-2-13L	16	16	125	15.1		--			HTMT520	ETL25	0.27
KTKHR -2020K-2-13L	20	20	125	19.1					HTMT525		0.42
KTKHR -2525M-2-13L	25	25	150	24.1							0.78
KTKHR -1616K-2-20L	16	16	125	15.1	20	--	2.2		HTMT520	ETL25	0.27
KTKHR -2020K-2-20L	20	20	125	19.1			2.4		HTMT525		0.42
KTKHR -2525M-2-20L	25	25	150	24.1							0.78
KTKHL -2012K-3-16L	20	12	125	10.8	16	--	3.1	TKN3	HTMT525	ETL25	0.24
KTKHR -2020K-3-16L	20	20	125	18.8							0.42
KTKHR -2525M-3-16L	25	25	150	23.8							0.78
KTKHR/L-1616K-3-22L	16	16	125	14.8	22	--	3.1	TKN3	HTMT520	ETL25	0.27
KTKHR/L-2020K-3-22L	20	20	125	18.8					HTMT525		0.42
KTKHR -2525M-3-22L	25	25	150	23.8							0.78
KTKHR -2020K-3-27L	20	20	125	18.8	27	--					0.42
KTKHR -2525M-3-27L	25	25	150	23.8							0.78
KTKHR -2525M-3-32L	25	25	150	23.8	32	--	3.1	TKN3	HTMT525	ETL25	0.78
KTKHR -2525M-4-32L	25	25	150	23.2			4.1	TKN4			0.78

被切削材 Workpiece material					
Steel 鋼	P	●	●	
Stainless steel 不銹鋼	M	●	●	
Cast iron 鑄鐵	K			●
Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description		GRADE 材質			Dimensions,mm		
			Coated 塗層		Uncoated 無塗層			
			CR9025	PR930	KW10	W	R	K°
	TKN	2	●	●	●	2.2	0.2	--
		2.4	○			2.4	0.2	--
		3			●	3.1	0.25	--
		4	●			4.1	0.3	--
 Right-hand	TKR/L	2				2.2	0.2	8°
		2.4				2.4	0.2	8°
		3			●	3.1	0.25	8°
		4				4.1	0.3	8°

LGDR/L

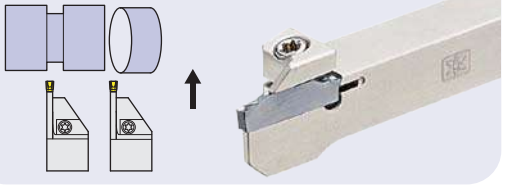


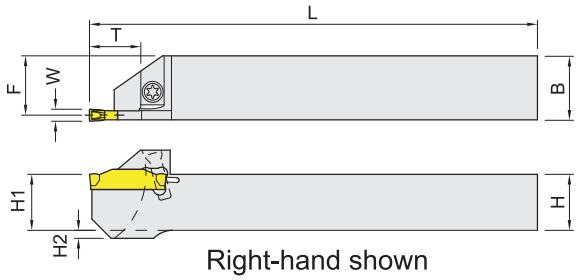


Right-hand shown

Item code	Dimensions,mm					Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T					
LGDR/L-2020K-2-08L	20	20	125	19.2	08	2.0	LGM...	HTMT525	ETL25	0.41
LGDR/L-2020K-2-16L	20	20	125	19.2	16					0.42
LGDR/L-2525M-2-16L	25	25	150	24.2						0.78
LGDR/L-2020K-2-20L	20	20	125	19.2	20					0.42
LGDR/L-2525M-2-20L	25	25	150	24.2						0.78
LGDR/L-2020K-3-16L	20	20	125	18.8	16	3.0				0.42
LGDR/L-2525M-3-16L	25	25	150	23.8						0.78
LGDR/L-2020K-3-20L	20	20	125	18.8	20					0.42
LGDR/L-2525M-3-20L	25	25	150	23.8						0.78

LGDR/L..LH



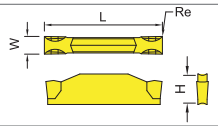
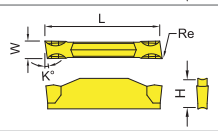


Right-hand shown

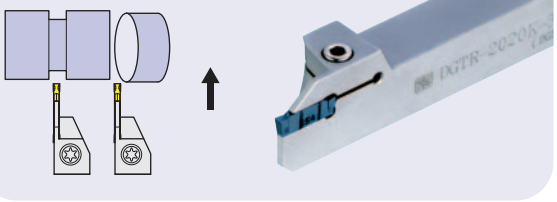
Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
LGDR/L-1010K-2-10LH	10	10	125	9.2	10	2	2.0	LGM...	MS4013F	ETL15	0.10
LGDR/L-1212K-2-12LH	12	12	125	11.2	12						0.17
LGDR/L-1616K-2-12LH	16	16	125	15.2	12	--					0.25
LGDR/L-1212K-2-16LH	12	12	125	11.2	16	2					0.17
LGDR/L-1616K-2-16LH	16	16	125	15.2	16	--					0.25
LGDR/L-1212K-3-12LH	12	12	125	10.8	12	2	3.0				0.17
LGDR/L-1616K-3-12LH	16	16	125	14.8	12	--					0.25
LGDR/L-1616K-3-20LH	16	16	125	14.8	20	--					0.26

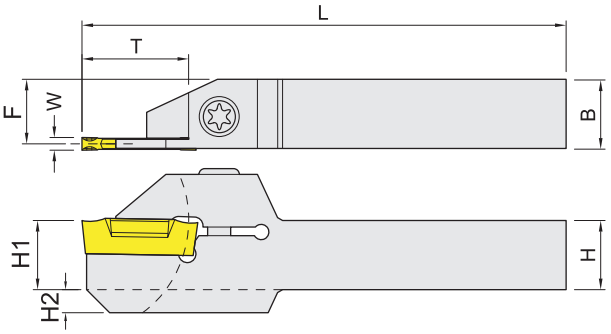
※走心式刀 SWISS -TYPE

被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K			●
	Non-ferrous metal 非鐵金屬	N			

Insert Shape	Description	GRADE 材質			Dimensions,mm				
		Coated 塗層		Uncoated 無塗層					
		EW973	EW771	EM371	W	L	H	Re	K°
	**LGMN 200-02-DGF**	●		○	2.0	20	4.7	0.2	--
	LGMN 300-02-DGF	●			3.0	20	4.7	0.2	--
	**LGMR 200-02-15DGF**		●		2.0	20	4.7	0.2	15
	LGMR 300-02-15DGF	●			3.0	20	4.7	0.2	15

DGT

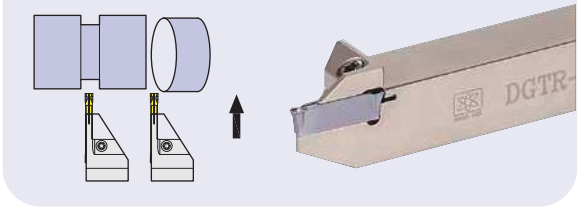


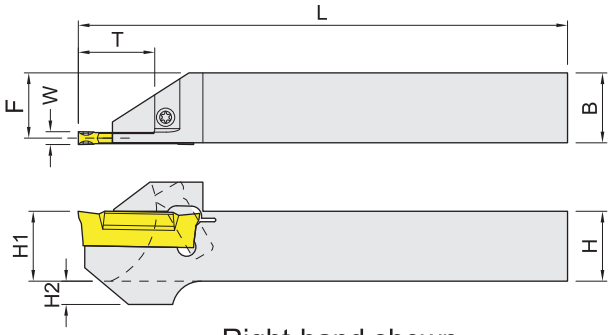


Right-hand shown

Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
DGTR/L-1616K-2-13L	16	16	125	15.3	13	--	2.0	DGN20..	HTMT520	ETL25	0.27
DGTR/L-2020K-2-13L	20	20	125	19.3			2.2	DGN22..	HTMT525		0.42
DGTR/L-2525M-2-13L	25	25	150	24.3							0.78
DGTR/L-1212K-2-18L	12	12	125	11.3	18	4			HTM420	PL30	0.14
DGTR/L-1616K-2-18L	16	16	125	15.3		--			HTMT520	ETL25	0.27
DGTR/L-2020K-2-18L	20	20	125	19.3					HTMT525		0.42
DGTR/L-2525M-2-18L	25	25	150	24.3							0.78
DGTR/L-1616K-3-12L	16	16	125	14.8	12	--	3.0	DGN30..	HTMT520	ETL25	0.27
DGTR/L-2020K-3-12L	20	20	125	18.8			3.1	DGN31..	HTMT525		0.42
DGTR/L-2525M-3-12L	25	25	150	23.8							0.78
DGTR/L-1616K-3-16L	16	16	125	14.8	16	--			HTMT525		0.27
DGTR/L-2020K-3-16L	20	20	125	18.8							0.42
DGTR/L-2525M-3-16L	25	25	150	23.8							0.78
DGTR/L-1616K-3-20L	16	16	125	14.8	20	4					0.27
DGTR/L-2020K-3-20L	20	20	125	18.8		--					0.42
DGTR/L-2525M-3-20L	25	25	150	23.8							0.78

DGT..SH



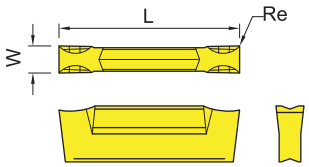
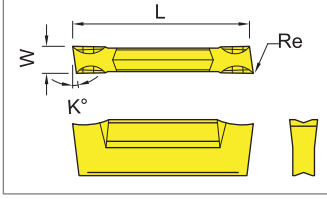


Right-hand shown

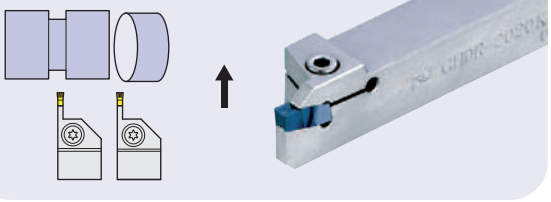
	Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
		H(H1)	B	L	F	T	H2					
	DGTR/L-1212K-1.4-24SHB	12	12	125	11.45	12	--	1.4	DGN14..	MS4013F	ETL15	0.14
NEW	DGTR/L-1212K-1.5-20SH	12	12	125	11.2	10	4	1.5	DGN15..			0.14
NEW	DGTR/L-1212K-1.5-20SHB	12	12	125	11.2	10	--					0.14
	DGTR/L-1010K-2-20SH	10	10	125	9.3	10	4	2.0	DGN20..			0.12
	DGTR/L-1010K-2-24SH	10	10	125	9.3	12	4	2.2	DGN22..			0.12
NEW	DGTR/L-1212K-2-20SH	12	12	125	11.2	10	4					0.14
NEW	DGTR/L-1212K-2-20SHB	12	12	125	11.2	10	--					0.14
	DGTR/L-1212K-2-24SH	12	12	125	11.3	12	4					0.16
	DGTR/L-1212K-2-24SHB	12	12	125	11.3	12	--					0.14
NEW	DGT /L-1212K-2-30SH	12	12	125	11.2	15	4					0.14
	DGTR/L-1616K-2-25SH	16	16	125	15.3	12.5	--					0.27
NEW	DGTR/L-1212K-3-24SHB	12	12	125	10.8	12	--	3.0 3.1	DGN30.. DGN31..			0.14

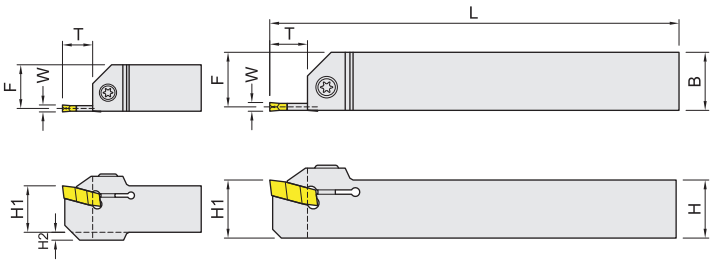
※走心式刀 SWISS -TYPE

被切削材 Workpiece material							
	Steel 鋼	P	●	●	●	●	
	Stainless steel 不銹鋼	M	●	●	●	●	
	Cast iron 鑄鐵	K		●	●		
	Non-ferrous metal 非鐵金屬	N					●

Insert Shape	Description		GRADE 材質					Dimensions,mm			
			Coated 塗層				Uncoated 無塗層				
			IC354	IC908	TN6025	GV65	IC20	W	L	Re	K°
	DGN	1402J	●					1.4	15.8	0.16	--
		1502J		●				1.5	20.9	0.16	--
		2002C	●				●	2.0	19.7	0.2	--
		2202C	●				●	2.2	19.8	0.2	--
		2202J			●			2.2	19.8	0.2	--
		3102C	●					3.1	20.1	0.2	--
		3102J			●	●	●	3.1	20.1	0.2	--
	DGR	2202C-6D	●					2.2	19.5	0.2	6
		2202J-6D			●			2.2	19.5	0.2	6
	DGR	3102C-6D	●				●	3.1	20.6	0.2	6
		3102J-6D			●			3.1	20.4	0.2	6
		3102J-15D			●			3.1	20.4	0.2	15

GHD



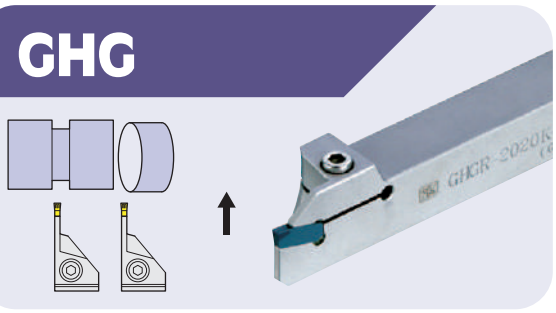


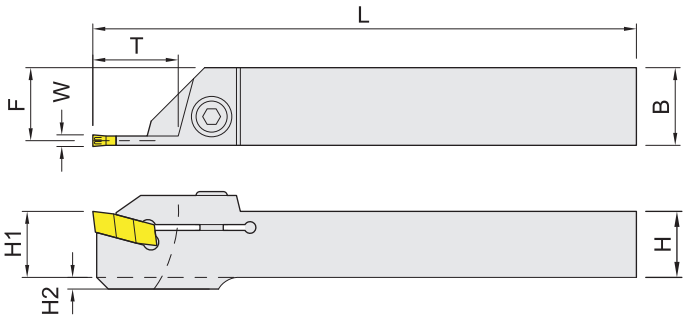
GHDR-1616K

Right-hand shown

Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
GHDR-1616K-3-10L	16	16	125	14.8	10	4	2.8~4	GIP…	HTMT525	ETL25	0.27
GHDR/L-2020K-3-10L	20	20	125	18.8		--		GIF…			0.42
GHDR/L-2525M-3-10L	25	25	150	23.8		--		GIMF…			0.78
GHDR/L-2020K-4-10L	20	20	125	18.4		--	4~5	GIMY…			0.42
GHDR/L-2525M-4-10L	25	25	150	23.4		--					0.78
GHDR-2020K-5-12L	20	20	125	17.9	12	--	5~6.4				0.42
GHDR-2525M-5-12L	25	25	150	22.9		--					0.78

GHG

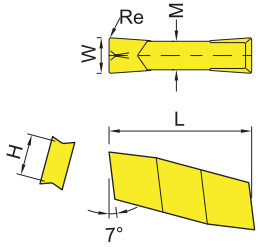
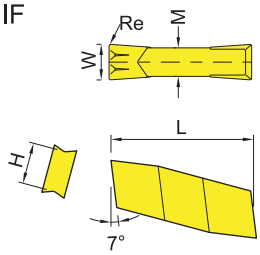
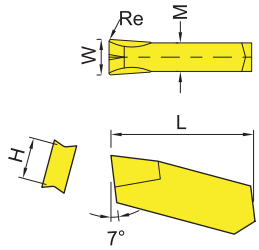
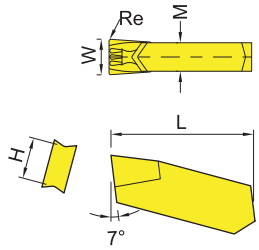




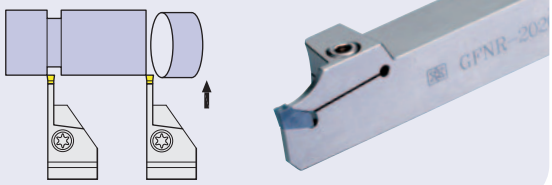
Right-hand shown

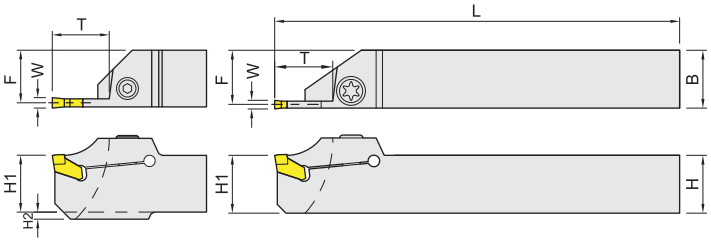
Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
GHGR-1616K-2-20L	16	16	125	15.2	20	4	2.2~2.4	GIP…	HTMT525	ETL25	0.27
GHGR-2020K-2-20L	20	20	125	19.2		--		GIF…			0.42
GHGR-2525M-2-20L	25	25	150	24.2				GIMF…			0.78
GHGR/L-1616K-3-20L	16	16	125	14.7		4	3~4	GIMY…	HTMT525		0.27
GHGR/L-2020K-3-20L	20	20	125	18.7		--					0.42
GHGR/L-2525M-3-20L	25	25	150	23.7							0.78
GHGR-2020K-4-20L	20	20	125	18.2			4~5				0.42
GHGR/L-2525M-4-20L	25	25	150	23.2							0.78
GHGR/L-2020K-4-25L	20	20	125	18.2	25				HTM625	PL50	0.42
GHGR/L-2525M-4-25L	25	25	150	23.2					HTM630		0.78

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K	●	
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description		GRADE 材質		Dimensions,mm					
			Coated 塗層	Uncoated 無塗層						
			IC808	IC20	W	L	M	H	Re	K°
GIP 	**GIP**	**3.00-0.00**			3	16	2.4	5	0	--
		3.00-0.20							0.2	--
		3.00E-0.20	●						0.2	--
		3.00E-0.40	●						0.4	--
		4.00E-0.40	●		4	16	3.2	5	0.4	--
		4.00E-0.60							0.6	--
		4.00E-0.80							0.8	--
		5.00-0.40			5	16	4.0	5	0.4	--
		5.00E-0.40							0.4	--
		5.00E-0.60							0.6	--
		5.00E-0.80							0.8	--
GIF 	**GIF**	**4.00E-0.40**			4	16	3.2	5	0.4	--
		4.00E-0.80							0.8	--
		5.00E-0.40			5	16	4.0	5	0.4	--
		5.00E-0.80							0.8	--
GIMF 	**GIMF**	**406**			4	16	3.4	5	0.6	--
		502			5	16	4.0	5	0.2	--
GIMY 	**GIMY**	**304**			3	16	2.4	5	0.4	--

GFNR



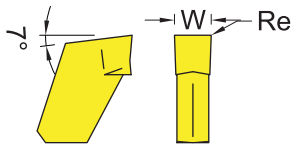


GFNR-1212K
GFNR-1616K

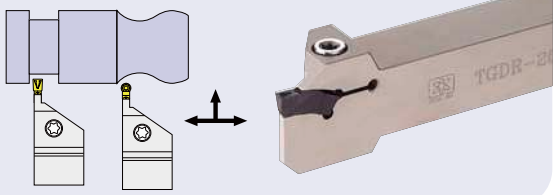
Right-hand shown

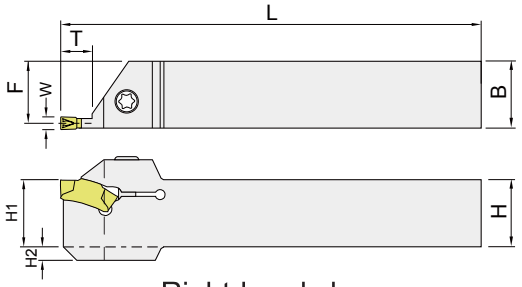
Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
GFNR-1212K-2-20L	12	12	125	11.15	20	4	2.0	GFN 2	HTM420	PL30	0.14
GFNR-1616K-2-20L	16	16	125	15.15		3			HTMT520	ETL25	0.27
GFNR-2020K-2-20L	20	20	125	19.15		--			HTMT525		0.42
GFNR-2525M-2-20L	25	25	150	24.15		--					0.78
GFNR-1616K-3-20L	16	16	125	14.8	20	--	3.0	GFN 3	HTMT520	ETL25	0.27
GFNR-2020K-3-20L	20	20	125	18.8		--			HTMT525		0.42
GFNR-2525M-3-20L	25	25	150	23.8		--					0.78

被切削材 Workpiece material						
Steel 鋼	P	●	●	●	
Stainless steel 不銹鋼	M	●	●	●	
Cast iron 鑄鐵	K		●	●	●
Non-ferrous metal 非鐵金屬	N				●

Insert Shape	Description		GRADE 材質				Dimensions,mm	
			Coated 塗層			Uncoated 無塗層		
			IC354	GT25	GA45	IC20	W	Re
	**GFN**	**2**	●				2.2	0.16
		2.4	○				2.4	0.16
		2A				●	2.2	0.16
		3	●	●	●		3.0	0.2
		3A				○	3.0	0.2

TGDR

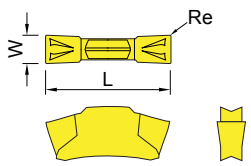
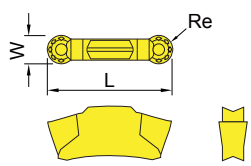




Right-hand shown

Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
TGDR-2020K-308T	20	20	125	18.8	8	--	3.0	TGMF3..	HTMT525	ETL25	0.40
TGDR-2525M-308T	25	25	150	23.8		--					0.73
TGDR-2020K-409T	20	20	125	18.3	9	4	4.0	TGMF4..			0.40
TGDR-2525M-409T	25	25	150	23.3		--					0.73
TGDR-2525M-416T	25	25	150	23.3	16	--					0.73

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description		GRADE 材質		Dimensions,mm			
			Coated 塗層	Uncoated 無塗層				
			IC908	IC20	W	L	Re	K°
	TGMF	302	●	○	3.0	13.50	0.2	--
		304	●			13.55	0.4	--
		402	●		4.0	17.70	0.2	--
		404					0.4	--
	TGMF	315	●		3.0	13.50	1.5	--
		420	○		4.0	17.80	2.0	--

A3SC

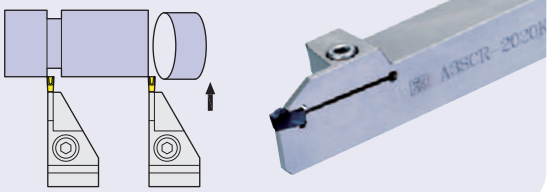


FIG-1

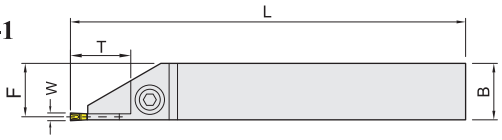
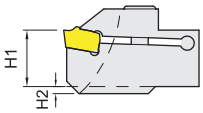
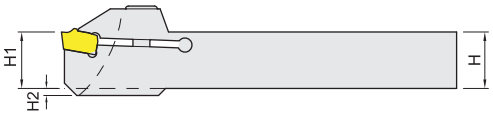


FIG-2

A3SC - - - LH



A3SC - - - L



Right-hand shown

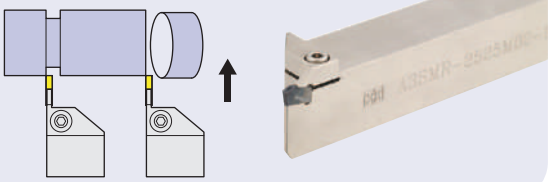
FIG-1 Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
A3SCR/L-1010K02-10L	10	10	125	9.15	10	4	2.2	A2022..	HTM416	PL30	0.10
A3SCR/L-1212K02-10L	12	12	125	11.15							0.15
A3SCR/L-1212K02-16L	12	12	125	11.15	16						0.15
A3SCR/L-1616K02-16L	16	16	125	15.15		--			HTMT520	ETL25	0.27
A3SCR/L-2020K02-16L	20	20	125	19.15					HTMT525		0.42
A3SCR/L-2525M02-16L	25	25	150	24.15							0.78
A3SCR -1616K03-16L	16	16	125	14.75	16		3.05	A2030..	HTMT520		0.27
A3SCR/L-2020K03-16L	20	20	125	18.75					HTMT525		0.42
A3SCR/L-2525M03-16L	25	25	150	23.85							0.78
A3SCR/L-2020K03-22L	20	20	125	18.75	22						0.42
A3SCR/L-2525M03-22L	25	25	150	23.85							0.78
A3SCR/L-2020K03-26L	20	20	125	18.75	26						0.42
A3SCR/L-2525M03-26L	25	25	150	23.85							0.78

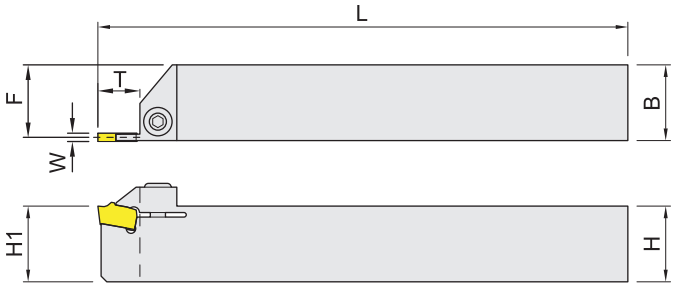
A3SC..LH

FIG-2 Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
A3SCR/L-1010K02-10LH	10	10	125	9.15	10	2	2.2	A2022..	HTM416	PL30	0.10
A3SCR/L-1212K02-10LH	12	12	125	11.15		--					0.14
A3SCR/L-1212K02-16LH	12	12	125	11.15	16	3					0.14
A3SCR/L-1616K02-16LH	16	16	125	15.15		--			HTMT520	ETL25	0.25
A3SCR/L-2020K02-16LH	20	20	125	19.15					HTMT525		0.39
A3SCR/L-2525M02-16LH	25	25	150	24.15							0.74
A3SCR/L-1212K03-16LH	12	12	125	10.75	16	3	3.05	A2030..	HTM416	PL30	0.14
A3SCR/L-1616K03-16LH	16	16	125	14.75		--			HTMT520	ETL25	0.25
A3SCR/L-2020K03-16LH	20	20	125	18.75					HTMT525		0.39
A3SCR/L-2525M03-16LH	25	25	150	23.75							0.74
A3SCL -2020K03-20LH	20	20	125	18.75	20						0.39

※走心式刀 SWISS -TYPE

A3SM..LH



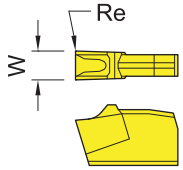
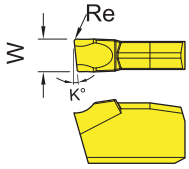


Right-hand shown

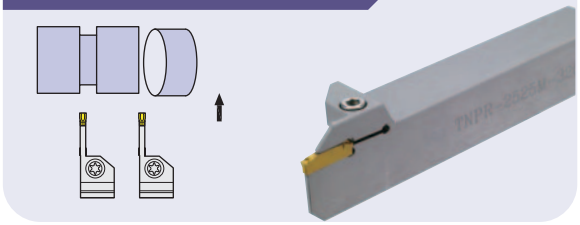
Item code	Dimensions,mm					Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T					
A3SMR/L-1616K-2-10LH	16	16	125	15.15	10	2.2	A2022..	HTM420	PL30	0.27
A3SMR/L-2020K-2-10LH	20	20	125	19.15						0.42
A3SMR/L-2525M-2-10LH	25	25	150	24.15						0.78

※走心式刀 SWISS -TYPE

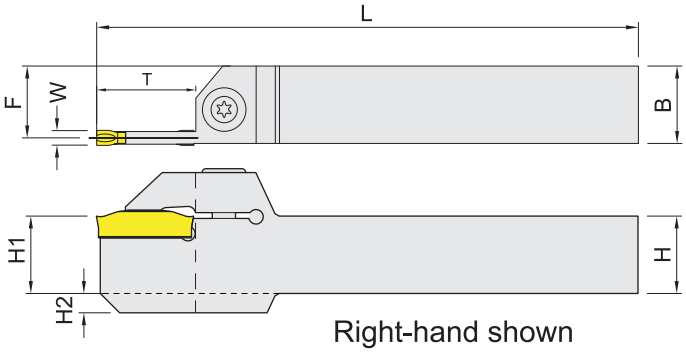
被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	●

Insert Shape	Description	GRADE 材質 Coated 塗層 KC5025	Dimensions,mm W	Re	K°
	**A2022N00CF02**	●	2.20	0.2	--
	A2030N00CF02	●	3.05	0.2	--
	**A2022R06CF02**	●	2.20	0.2	6
	A2030R06CF02	●	3.05	0.2	6

TNP



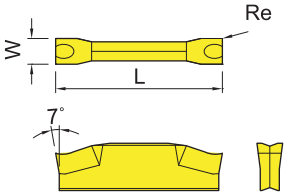
功能：開槽 Grooving / 切斷 Cut-Off



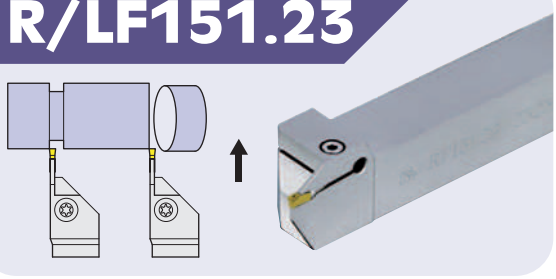
Right-hand shown

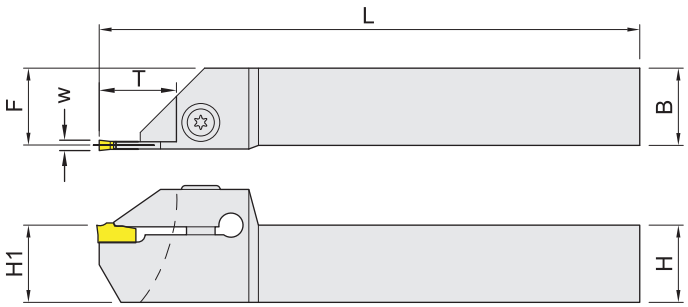
Item code	Dimensions,mm						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
TNPR/ -1212K-208T	12	12	125	11.2	8	4	2.0	TN200/ N123E..	HTM420	PL30	0.16
TNPR/L-1616K-208T	16	16	125	15.2	8	4			HTMT525	ETL25	0.28
TNPR/L-2525M-208T	25	25	150	24.2	8	--					0.74
TNPR/L-2525M-215T	25	25	150	24.2	15	--					0.71
TNPR/ -2525M-2510T	25	25	150	24	10	--	2.5	TN250..	HTMT525	ETL25	0.73
TNPR/ -2020K-310T	20	20	125	18.85	10	--	3.0	TN300..	HTMT525	ETL25	0.40
TNPR/L-1616K-320T	16	16	125	14.85	20	4					0.27
TNPR/L-2020K-320T	20	20	125	18.85	20	--					0.38
TNPR/L-2525M-320T	25	25	150	23.85	20	--					0.70
TNPR/L-2525M-425T	25	25	150	23.4	25	--	4.0	TN400..	HTMT525	ETL25	0.68
TNPR/L-2525M-532T	25	25	150	22.9	32	7	5.0	TN500..	HTM630	PL50	0.69
TNPR/L-3232P-532T	32	32	170	29.9	32	--					1.21

被切削材 Workpiece material					
	Steel 鋼	P	●	●	●
	Stainless steel 不銹鋼	M	●		●
	Cast iron 鑄鐵	K	●	●	
	Non-ferrous metal 非鐵金屬	N			

Insert Shape	Description	GRADE 材質 Coated 塗層			Dimensions,mm			
		2135	5820	QW723	W	L	Re	K°
	**N123E2-0200-0002-CM**			○	2.0	18.8	0.02	--
	TN250/00-F2N-48		●		2.5	18.9	0.20	--
	N123F2-0250-0003-CR	●			2.5	18.9	0.30	--
	N123G2-0300-0002-CM			○	3.0	18.8	0.02	--
	TN300/00-G2N-48		●		3.0	18.8	0.20	--
	N123H2-0400-0004-TF			○	4.0	18.8	0.04	--
	N123H2-0500-0008-GF			○	5.0	18.8	0.08	--

R/LF151.23

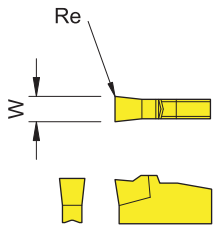




Right-hand shown

Item code	Dimensions,mm					Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T					
R/LF151.23-1616K-20M1	16	16	125	16	15	2.0	N151.2-200-5E	HTMT520	ETL25	0.27
R/LF151.23-2020K-20M1	20	20	125	20				HTMT525		0.42
R/LF151.23-2525M-20M1	25	25	150	25						0.78
RF151.23-1616K-25T10	16	16	125	15.75	10	2.5	N151.2-250-5E	HTMT520		0.27
RF151.23-2020K-25T10	20	20	125	19.75				HTMT525		0.42
RF151.23-2525M-25T10	25	25	150	24.75						0.78
RF151.23-1616K-25M1	16	16	125	15.75	20	2.5		HTMT520		0.27
RF151.23-1616K-30T10	16	16	125	15.5	10	3.0	N151.2-300-5E	HTMT520		0.27
RF151.23-2020K-30T10	20	20	125	19.5				HTMT525		0.42
R/LF151.23-2525M-30T10	25	25	150	24.5						0.78
R/LF151.23-1616K-30M1	16	16	125	15.5	20	3.0		HTMT520		0.27
R/LF151.23-2020K-30M1	20	20	125	19.5				HTMT525		0.42
R/LF151.23-2525M-30M1	25	25	150	24.5						0.78

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	

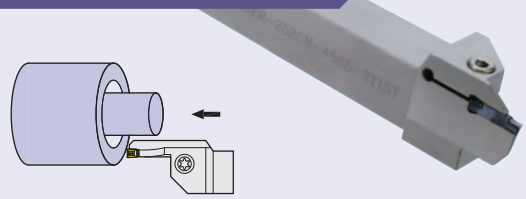
Insert Shape	Description	GRADE 材質 / Coated 塗層 / 1125	Dimensions,mm W	Re	K°
	**N151.2-200-5E**	●	2.0	0.2	--
	N151.2-250-5E	●	2.5	0.2	--
	N151.2-300-5E	●	3.0	0.2	--

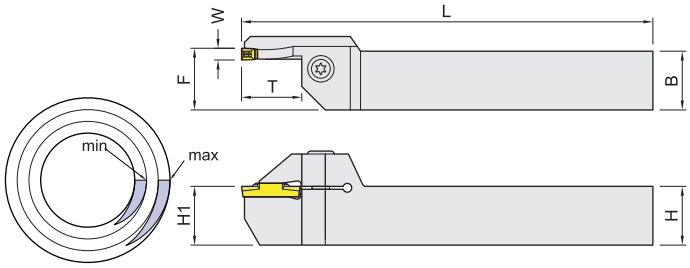
SHAN GIN

端面開槽刀

FACE GROOVING TOOLHOLDERS

KGDF

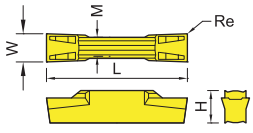
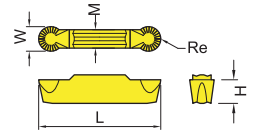




Right-hand shown

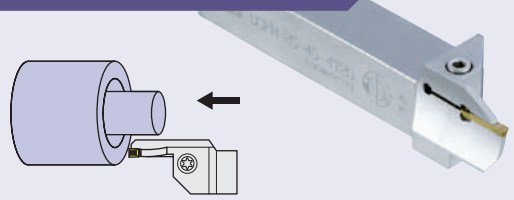
Item code	Dimensions,mm						Hole Diameter ØD		Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	W	T	min	max				
KGDFR-2020K-3045-3T15	20	20	125	21	3	15	30	45	GDFM3020..	HTMT525	ETL25	0.45
KGDFR-2020K-4565-3T15							45	65				0.45
KGDFR-2020K-6585-3T20						20	65	85				0.45
KGDFR-2525M-3045-3T15	25	25	150	26	3	15	30	45	GDFM3020..	HTMT525	ETL25	0.84
KGDFR-2525M-4565-3T15							45	65				0.84
KGDFR-2525M-6585-3T20						20	65	85				0.84
KGDFR-2525M-85110-3T20							85	110				0.84
KGDFR-2525M-110145-3T20							110	145				0.84
KGDFR-2020K-5070-4T20	20	20	125	21	4	20	50	70	GDFM4020..	HTMT525	ETL25	0.45
KGDFR-2020K-70100-4T20							70	100				0.45
KGDFR-2525M-3550-4T15	25	25	150	26	4	15	35	50	GDFM4020..	HTMT525	ETL25	0.84
KGDFR-2525M-5070-4T20						20	50	70				0.84
KGDFR-2525M-70100-4T20							70	100				0.84
KGDFR-2525M-100150-4T25						25	100	150				0.84
KGDFR-2525M-150220-4T25							150	220				0.84
KGDFR-2525M-220800-4T25							220	800				0.84
KGDFR-2525M-5075-5T25	25	25	150	26	5	25	50	75	GDFM5020..	HTMT525	ETL25	0.84
KGDFR-2525M-75115-5T25							75	115				0.84
KGDFR-2525M-115180-5T25							115	180				0.84
KGDFR-2525M-180235-5T25							180	235				0.84
KGDFR-2525M-235800-5T25							235	800				0.84

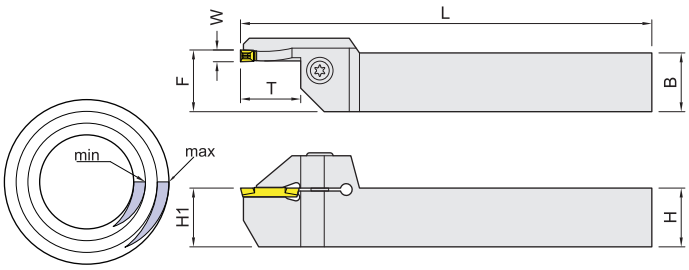
被切削材 Workpiece material					
	Steel 鋼	P	●	●	●
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K	●		
	Non-ferrous metal 非鐵金屬	N			

Insert Shape	Description		GRADE 材質			Dimensions,mm				
			Coated 塗層		Cermet 金屬陶瓷					
			PR1215	PR1225	TN620	W	Re	M	L	H
	GDFM	3020N03GM	●	●		3	0.3	2.1	20	4.3
		4020N04GM	●	●		4	0.4	3.1	20	4.5
		5020N04GM	●	●		5	0.4	4.1	20	4.5
	GDFM	3020N150RCM		●		3	1.5	2.1	20	4.3
		4020N200RCM		○	●	4	2.0	3.1	21	4.5

端面開槽刀
FACE GROOVING TOOLHOLDERS

DGF

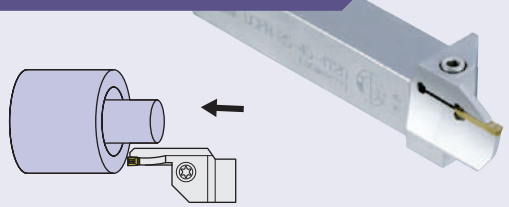


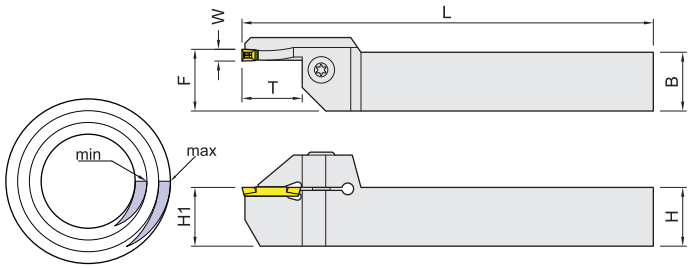


Right-hand shown

Item code	Dimensions,mm						Hole Diameter ØD		Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	W	T	min	max				
DGFR/L-20-028-3T15	20	20	125	21	3	15	28	34	DGM30CTF	HTMT525	ETL25	0.42
DGFR/L-20-034-3T15							34	45				0.42
DGF L-20-045-3T15							45	70				0.42
DGFR/L-20-045-3T20						20	45	70				0.42
DGFR -20-070-3T20							70	100				0.42
DGFR -20-100-3T20							100	140				0.42
DGFR -20-140-3T20							140	200				0.42
DGFR -20-200-3T20							200	800				0.42
DGFR/L-25-028-3T15	25	25	150	26	3	15	28	34	DGM30CTF	HTMT525	ETL25	0.78
DGFR/L-25-034-3T15							34	45				0.78
DGFR/L-25-045-3T15							45	70				0.78
DGFR/L-25-045-3T20						20	45	70				0.78
DGFR -25-070-3T20							70	100				0.78
DGFR -25-100-3T20							100	140				0.78
DGFR -25-140-3T20							140	200				0.78
DGFR -25-200-3T20							200	800				0.78
DGFR/L-20-028-4T15	20	20	125	21	4	15	28	34	DGM40CTF	HTMT525	ETL25	0.42
DGFR/L-20-034-4T20						20	34	45				0.42
DGFR/L-20-045-4T20							45	70				0.42
DGFR -20-070-4T20							70	100				0.42
DGFR -20-100-4T20							100	140				0.42
DGFR -20-140-4T20							140	200				0.42
DGFR -20-200-4T20							200	800				0.42
DGFR -20-070-4T25	20	20	125	21	4	25	70	100	DGM40CTF	HTMT525	ETL25	0.42
DGFR -20-100-4T25							100	140				0.42
DGFR -20-140-4T25							140	200				0.42
DGFR -20-200-4T25							200	800				0.42
DGFR/L-25-028-4T15	25	25	150	26	4	15	28	34	DGM40CTF	HTMT525	ETL25	0.78
DGFR/L-25-034-4T20						20	34	45				0.78
DGFR/L-25-045-4T20							45	70				0.78
DGFR -25-070-4T20							70	100				0.78
DGFR -25-100-4T20							100	140				0.78
DGFR -25-140-4T20							140	200				0.78
DGFR -25-200-4T20							200	800				0.78
DGFR -25-070-4T25	25	25	150	26	4	25	70	100	DGM40CTF	HTMT525	ETL25	0.78
DGFR -25-100-4T25							100	140				0.78
DGFR -25-140-4T25							140	200				0.78
DGFR -25-200-4T25							200	800				0.78

DGF

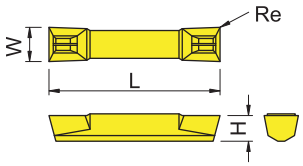




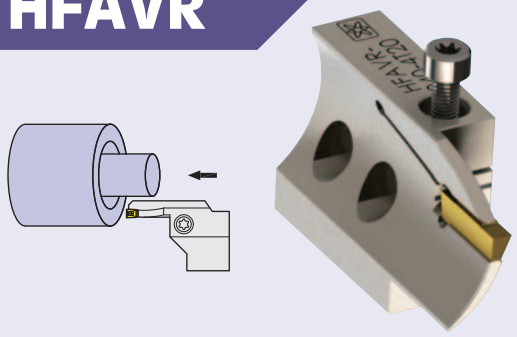
Right-hand shown

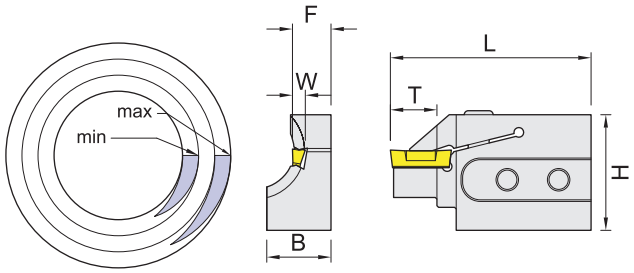
Item code	Dimensions,mm						Hole Diameter ØD		Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	W	T	min	max				
DGFR-20-050-5T15	20	20	125	21	5	15	50	70	DGM50CTF	HTMT525	ETL25	0.42
DGFR-20-050-5T20						20	50	70				0.42
DGFR-20-070-5T20							70	120				0.42
DGFR-20-120-5T20							120	240				0.42
DGFR-20-240-5T20							240	800				0.42
DGFR-20-050-5T25						25	50	70				0.42
DGFR-20-070-5T25							70	120				0.42
DGFR-20-120-5T25							120	240				0.42
DGFR-20-240-5T25							240	800				0.42
DGFR-25-050-5T15	25	25	150	26	5	15	50	70	DGM50CTF	HTMT525	ETL25	0.78
DGFR-25-050-5T20						20	50	70				0.78
DGFR-25-070-5T20							70	120				0.78
DGFR-25-120-5T20							120	240				0.78
DGFR-25-240-5T20							240	800				0.78
DGFR-25-050-5T25						25	50	70				0.78
DGFR-25-070-5T25							70	120				0.78
DGFR-25-120-5T25							120	240				0.78
DGFR-25-240-5T25							240	800				0.78

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description		GRADE 材質 Coated 塗層		Dimensions,mm			
			GT25	GV65	W	L	H	Re
	**DGM**	**30CTF**	●	●	3	20	3.0	0.4
		40CTF	●	●	4	20	3.0	0.4
		50CTF	●	●	5	25	5.0	0.4

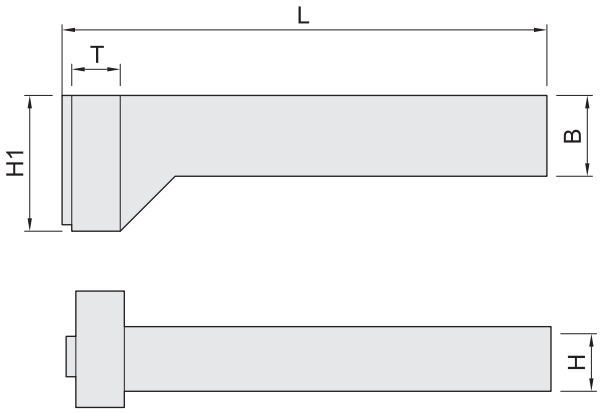
HFAVR





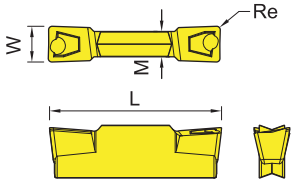
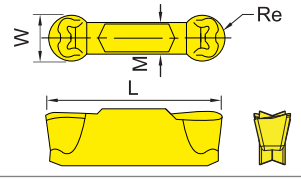
Item code	Dimensions,mm						Hole Diameter ØD		Insert	Screw	Wrench	Weight Kg
	L	W	T	H	B	F	min	max				
HFAVR-029-3T13	63.5	3	13	36	20	12	29	34	HFPR30..	HTMT525	ETL25	0.20
HFAVR-034-3T12			12				34	40				
HFAVR-034-3T16			16				34	40				
HFAVR-040-3T12			12				40	48				
HFAVR-040-3T16			16				40	48				
HFAVR-048-3T12			12				48	60				
HFAVR-048-3T20			20				48	60				
HFAVR-060-3T12			12				60	75				
HFAVR-060-3T20			20				60	75				
HFAVR-075-3T12			12			13	75	100				
HFAVR-075-3T20			20				75	100				
HFAVR-100-3T20					18.5		100	140				
HFAVR-140-3T20					17		140	200				
HFAVR-200-3T20					14.5		200	800				
HFAVR-075-3T25	68.5	3	25	36	20	13	75	100				
HFAVR-100-3T25					18.5		100	140				
HFAVR-140-3T25					17		140	200				
HFAVR-200-3T25					14.5		200	800				
HFAVR-029-4T13	63.5	4	13	36	20	12	29	34	HFPR40.. GRIP40..	HTMT525	ETL25	0.40
HFAVR-034-4T12			12				34	40				
HFAVR-034-4T16			16				34	40				
HFAVR-040-4T12			12				40	48				
HFAVR-040-4T20			20				40	48				
HFAVR-048-4T12			12				48	60				
HFAVR-048-4T20			20				48	60				
HFAVR-060-4T12			12				60	75				
HFAVR-060-4T20			20				60	75				
HFAVR-075-4T12			12			14	75	100				
HFAVR-075-4T20			20				75	100				
HFAVR-100-4T20					18.5		100	140				
HFAVR-140-4T20					17		140	200				
HFAVR-200-4T20					14.5		200	800				
HFAVR-075-4T25	68.5	4	25	36	20	14	75	100				
HFAVR-100-4T25					18.5		100	140				
HFAVR-140-4T25					17		140	200				
HFAVR-200-4T25					14.5		200	800				

※訂購刀座請參考140頁Please refer to page 140 for holder.

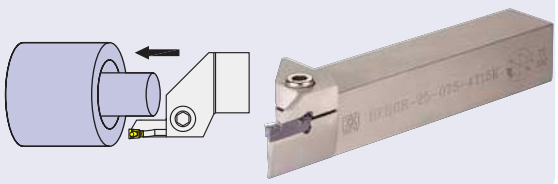


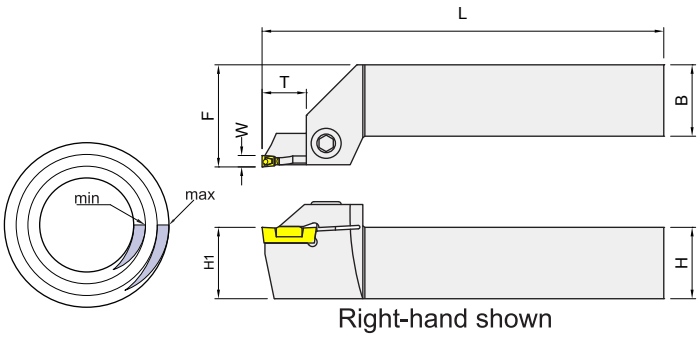
Item code	Dimensions,mm					Adapter	Screw	Wrench	Weight Kg
	H	B	L	H1	T				
HFAPR-2025K-12	20	25	125	42	15	HFAVR..	MS6022E	PL50	0.68
HFAPR-2525K-12	25	25	125	42	15				0.78

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description		GRADE 材質		Dimensions,mm			
			Coated 塗層	Uncoated 無塗層				
			IC354	IC20	W	L	M	Re
	**HFPR**	**3003**	●	●	3	19	2.1	0.3
		4004	●	●	4	19	2.8	0.4
	**HFPR**	**3015**			3	19	2.1	1.5
		4020			4	19	2.8	2.0

HFHG

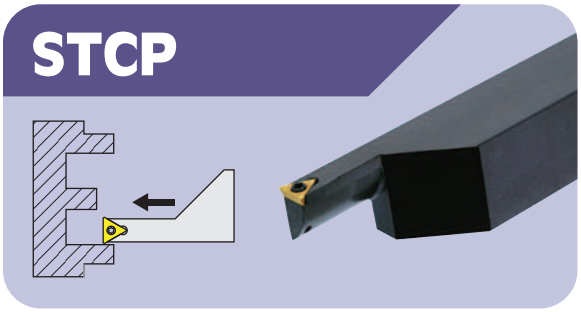


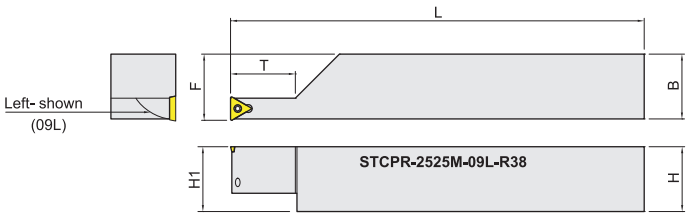


Right-hand shown

Item code	Dimensions,mm						Hole Diameter ØD		Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	W	T	min	max				
HFHGR-25-075-4T12K	25	25	150	35	4	12	75	100	HFPR40..	HTM622	PL50	0.73
HFHGR-25-075-4T15K						15			GRIP40..			0.73
HFHGR-25-098-4T15K	25	25	150	35	4	15	98	180		HTM630		0.73

STCP

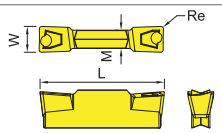
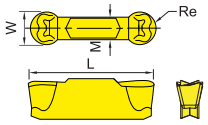
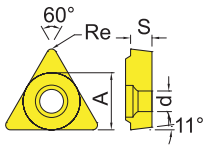




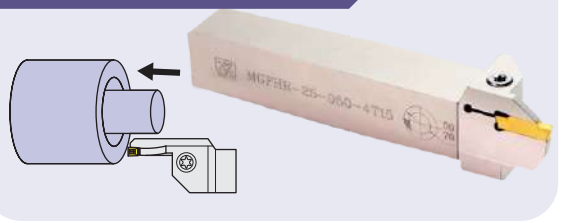
Right-hand shown (STCPR)

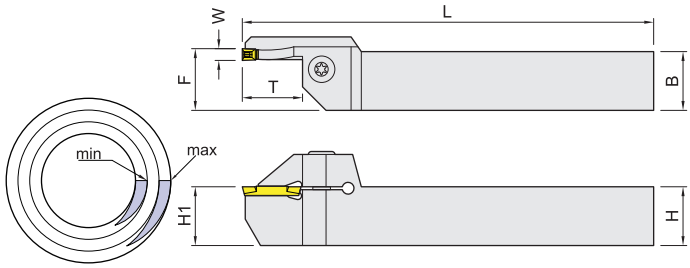
Item code	Dimensions,mm						Hole Diameter ØD		Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	F	W	T	min	max				
STCPR/L-2525M-09R-R38	25	25	150	25.5	9	25	76	∞	TP..0902	MS2506A	ETF09	0.78
STCPR/L-2525M-09L-R38												0.78

被切削材 Workpiece material					
Steel 鋼	P	●	●	
Stainless steel 不銹鋼	M	●	●	
Cast iron 鑄鐵	K	●	●	●
Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質			Dimensions,mm			
		Coated 塗層		Uncoated 無塗層				
		IC354	NW948	IC20	W	L	M	Re
	HFPR4004	●		●	4	19	2.8	0.4
	HFPR4020				4	19	2.8	2.0
	Description				A	S	d	Re
	TPMH090204MA		●		5.56	2.38	2.9	0.4

MGFH



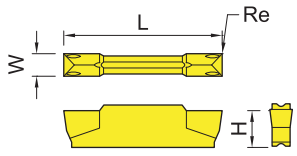


Right-hand shown

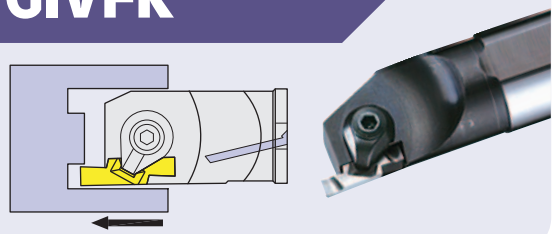
Item code	Dimensions,mm						Hole Diameter ØD		Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	F	W	T	min	max				
NEW MGFHR-25-050-4T15	25	25	150	26	4	15	50	70	MGMN400..	HTMT525	ETL25	0.78
NEW MGFHR-25-070-4T15							70	120				0.78
NEW MGFHR-25-120-4T15							120	200				0.78

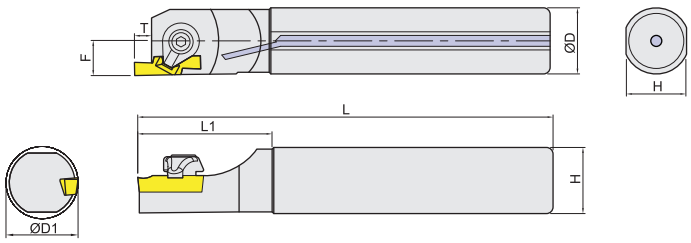
※外徑開槽刀桿MGEH 系列，請參考118頁 Please refer to page 118 for external grooving tool holders.

被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M		●	
	Cast iron 鑄鐵	K		●	
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質			Dimensions,mm				
		Coated 塗層		Uncoated 無塗層					
		NC3030	PC5300	H01	W	L	H	Re	K°
	MGMN400-04G	●	○		4.0	21.0	4.8	0.4	--
	MGGN400-04A			○					

GIVFR



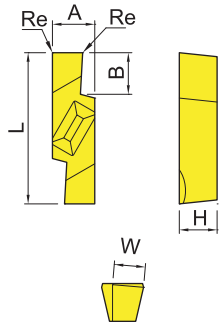


Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm						端面切槽外徑 ØD1 Face grooving diameter		Insert	Clamp	Wrench	Weight Kg
無水孔Non-coolant	水孔Coolant	ØD	F	T	L	L1	H	min	max				
GIVFR-1816Q-A	**GIVFR-A1816Q-A**	16	8.5	2.9	180	30	15	18	∞	GVFR...A	CPS5V	ETF15	0.28
GIVFR-2220Q-B	**GIVFR-A2220Q-B**	20	10.5	5.1	180	40	18	22	∞	GVFR...B	CPS6F	PL30	0.49
GIVFR-2825R-B	**GIVFR-A2825R-B**	25	13	5.1	200	45	23	28	∞		CPS6V		0.77
GIVFR-3532S-B	**GIVFR-A3532S-B**	32	16.5	5.1	250	45	30	35(25)	∞				1.58

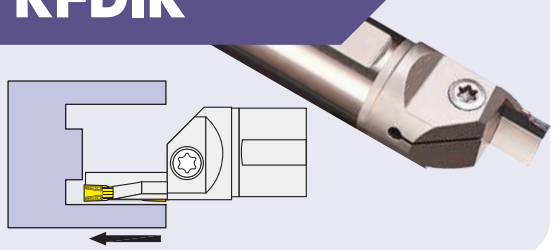
※( ) 為端面切槽外徑值MIN~MAX進行切槽加工後，將槽寬向中心方向擴大，芯核的最小直徑
※( ) When face grooving diameter is smaller than ØD1 25, toolholder will interfere with workpiece.

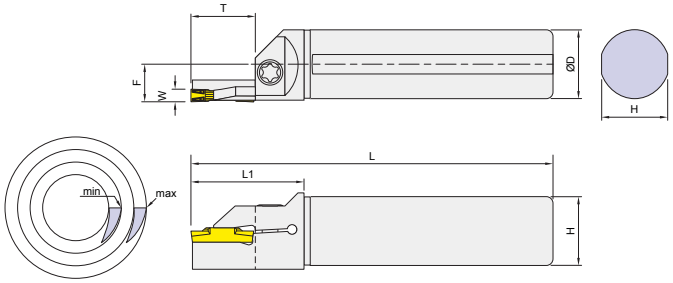
被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M		
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description		GRADE 材質 Cermet 金屬陶瓷 TC40	GRADE 材質 Uncoated 無塗層 KW10	Dimensions,mm W	※B	A	L	H	Re
	GVFR	**200-020A**	○	○	2.0	2.3	4.3	12	4.5	0.2
		250-020A	○	○	2.5	2.3	4.3	12	4.5	0.2
		250-020B	●	●	2.5	4.8	5.8	20	5	0.2
		300-020B	●	●	3.0	4.8	5.8	20	5	0.2
		350-020B	●	●	3.5	4.8	5.8	20	5	0.2
		400-020B	●	●	4.0	5.3	5.8	20	5	0.2
		430-020B			4.3	5.3	5.8	20	5	0.2
		460-020B			4.6	5.3	5.8	20	5	0.2
		490-020B			4.9	5.3	5.8	20	5	0.2

※B尺寸表示最大加工深度(Dimension B shows max grooving depth)

KFDIR

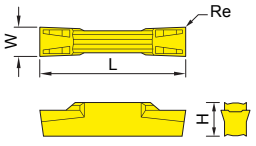




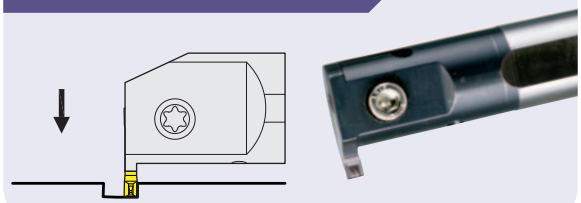
Steel shank (Right-hand shown)
鋼柄 右向示意圖

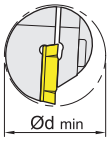
Steel shank Item code 無水孔Non-coolant	Dimensions,mm							端面切槽外徑 ØD1 Face grooving diameter		Insert	Screw	Wrench	Weight Kg
	D	F	T	L	L1	H	W	min	max				
KFDIR-S12K-16-207T	12	7	7	125	28.5	11	2	16	19	GDFM2020..	MS4013F	ETL15	0.12
KFDIR-S20M-23-209T	20	11	9	150	28.5	18	2	23	27		MS5017D	ETL20	0.35
KFDIR-S25M-42-420T	25	13.5	20	150	36	23	4	42	55	GDFM4020..	MS5022E	ETL25	0.50
KFDIR-S25M-55-420T	25	13.5	20	150	36	23	4	55	70				0.52
KFDIR-S32R-70-425T	32	17	25	200	45	30	4	70	95				1.10

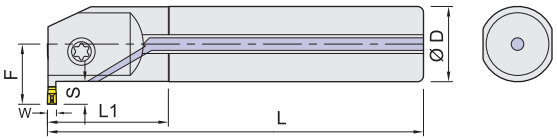
被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K	●	
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm			
		PR1215	PR1225	W	L	H	Re
	**GDFM 2020N-020GM**		●	2	21	3.9	0.2
	GDFM 4020N-040GM	●	●	4	20	4.5	0.4

DGIR





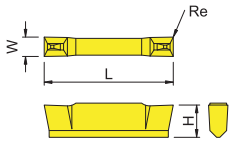
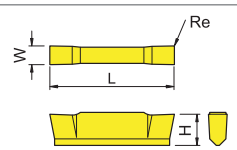


Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

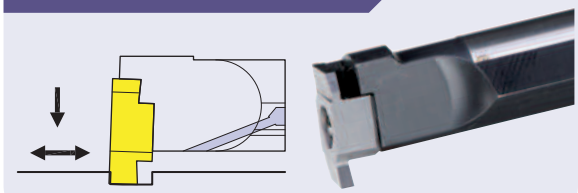
Steel shank Item code		Dimensions,mm							Insert	Screw	Wrench	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	dmin	S	W				
DGIR/L-0020Q-3M-6.5L	DGIR-A0020Q-3M-6.5L	20	180	40	16.5	31	6.5	3	DGM30CT DGJ30CTM	HTMT520	ETL25	0.44
DGIR/L-0025R-3M-7.5L	DGIR-A0025R-3M-7.5L	25	200	40	20	37	7.5					0.77
DGIR/L-0032S-3M-9.0L	DGIR-A0032S-3M-9.0L	32	250	48	25	46	9.0					1.58
DGIR/L-0020Q-4M-6.5L	DGIR-A0020Q-4M-6.5L	20	180	40	16.5	31	6.5	4	DGM40CT DGJ40CTM	HTMT520	ETL25	0.44
DGIR/L-0025R-4M-7.5L		25	200	40	20	37	7.5					0.77
DGIR/L-0032S-4M-9.0L	DGIR-A0032S-4M-9.0L	32	250	48	25	46	9.0					1.58
DGIR-0032S-5M-17.5L	DGIR-A0032S-5M-17.5L	32	250	48	33.5	55	17.5	5	DGM50CT	HTMT520	ETL25	1.58
DGIR-0040S-5M-20L		40	250	48	40	65	20			HTMT525		2.47

※外徑開槽刀桿DGH 系列，請參考 112 頁Please refer to page 112 for external grooving tool holders.

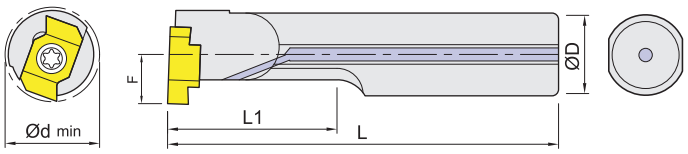
被切削材 Workpiece material					
	Steel 鋼	P	●	●	●
	Stainless steel 不銹鋼	M	●	●	●
	Cast iron 鑄鐵	K	●	●	●
	Non-ferrous metal 非鐵金屬	N			

Insert Shape	Description		GRADE 材質 Coated 塗層			Dimensions,mm			
			GT25	GV65	MW925	W	L	H	Re
	DGM	30CT	●	●		3	20	5	0.4
		40CT	●	●		4	20	5	0.4
		50CT	●	●		5	25	6	0.4
	DGJ	30CTM			●	3	20	5	0.4
		40CTM			●	4	20	5	0.4

FSL51



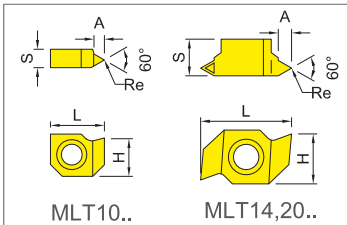
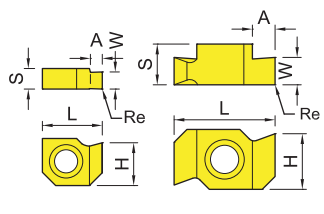
功能：內徑　開槽 Grooving / 螺紋 Threading



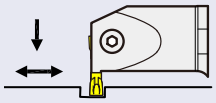
Coolant steel shank (Right-hand shown)
中心出水鋼柄　右向示意圖

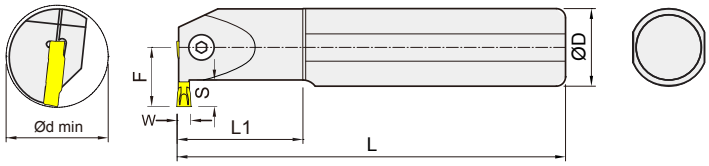
Steel shank Item code		Dimensions,mm					Insert		Screw	Wrench	Weight Kg
無水孔 Non-coolant	水孔Coolant	D	L	L1	F	dmin	槽加工 Grooving	螺紋加工 Threading			
FSL5108R	**FSL51A08R**	8	125	25	4.8	10	MLG10..L	MLT1001L	MS2506A	ETF09	0.05
FSL5110R	**FSL51A10R**	10	125	25	5.8	12					0.08
FSL5112R	**FSL51A12R**	12	150	36	6.8	14	MLG14..L	MLT1401L	MS3008A		0.13
FSL5114R	**FSL51A14R**	14	150	36	7.8	16					0.18
FSL5116R-14-D16	**FSL51A16R-14-D16**	16	180	42	8	16					0.28
FSL5116R	**FSL51A16R**	16	180	50	9.7	20	MLG20..L	MLT2001L	MS4011A	ETF15	0.28
FSL5120R	**FSL51A20R**	20	200	50	11.7	24					0.49

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description		GRADE 材質		Dimensions,mm						
			Coated 塗層	Uncoated 無塗層							
			NW734	NM936	W	L	H	A	S	Re	Pitch(mm)
 MLT10.. MLT14,20..	MLT	1001L	●		--	7.0	5.00	--	2.38	0.1	1.5~2.0
		1401L	●		--	11.8	6.50	--	4.76	0.1	1.5~2.5
		2001L		●	--	16.8	9.03	--	6.35	0.1	1.5~3.5
 MLG10.. MLG14,20..	MLG	1012L		●	1.2	7.0	5.00	1.0	2.38	0.1	--
		1015L		●	1.5						
		1020L		●	2.0						
		1415L		●	1.5	11.8	6.50	2.0	4.76	0.1	--
		1420L		●	2.0						
		1430L		●	3.0						
		2020L		●	2.0	16.8	9.03	3.0	6.35	0.1	--
		2030L		●	3.0						
		2040L		●	4.0						

GYIR



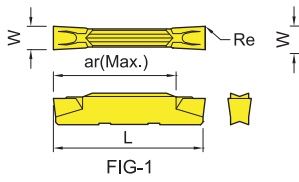


Steel shank (Right-hand shown)
鋼柄 右向示意圖

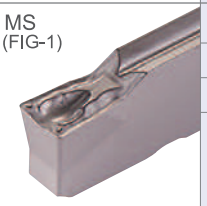
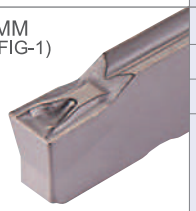
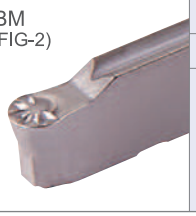
Steel shank Item code	Dimensions,mm							Insert	Screw	Wrench	Weight Kg
	D	L	L1	F	dmin	S	W				
GYIR-0020Q-307L	20	180	35	14.5	25	7.0	3.0	GY2M03..	HTV0516	PL30	0.44
GYIR-0025R-309L	25	200	40	19.0	32	9.0			HTV0520		0.77
GYIR-0032S-311L	32	250	50	22.0	40	11.0			HTV0625	PL40	1.57
GYIR-0025R-409L	25	200	40	19.0	32	9.0	4.0	GY2M04..	HTV0520	PL30	0.77
GYIR-0032S-411L	32	250	50	22.0	40	11.0			HTV0625	PL40	1.57

※外徑開槽刀桿GYM 系列，請參考 113 頁Please refer to page 113 for external grooving tool holders.

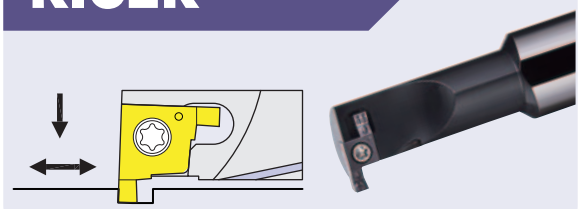
Insert Shape

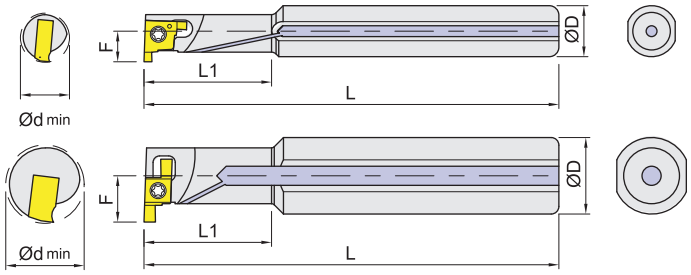


Steel 鋼	P	●	●	
Stainless steel 不銹鋼	M	●	●	
Cast iron 鑄鐵	K	●	●	
Non-ferrous metal 非鐵金屬	N			●

屑槽樣式 Breaker Name		Description	Dimensions,mm					GRADE 材質		
								Coated 塗層	Uncoated 無塗層	
			W	L	ar(Max.)	Re	K	NW950	NY942	NM502
多機能/横向 (精加工) For Multifunctional Grooving (Finishing)	MF (FIG-1)	GY2G0300F020N-MF	3	21.05	19.5	0.2	--		●	●
		GY2G0400G020N-MF	4	25.95	24.9	0.2	--		●	●
		GY2G0500H020N-MF	5	25.95	24.2	0.2	--		●	●
多機能/横向 (小進給加工) For Multifunctional Grooving (Finishing)	MS (FIG-1) 	GY2M0300F020N-MS	3	20.70	19.2	0.2	--	●	●	
		GY2M0300F040N-MS		20.70	18.9	0.4	--	●		
		GY2M0400G040N-MS	4	25.65	23.9	0.4	--	●	●	
		GY2M0500H040N-MS	5	25.65	23.9	0.4	--	●	●	
多機能/横向 (小進給加工) For Multifunctional Grooving	MM (FIG-1) 	GY2M0300F020N-MM	3	20.70	19.1	0.2	--	●	●	
		GY2M0300F040N-MM		20.70	18.9	0.4	--	●		
		GY2M0400G040N-MM	4	25.65	24.1	0.4	--	●	●	
		GY2M0500H040N-MM	5	25.65	23.9	0.4	--	●	●	
中進給加工 切斷●切槽 Grooving / Cutting off (Medium feeds)	GM (FIG-1)	GY2M0300F030N-GM	3	20.70	19.4	0.3	--	●	●	
		GY2M0400G030N-GM	4	25.65	24.4	0.3	--	●	●	
		GY2M0500H040N-GM	5	25.65	24.3	0.4	--	●	●	
	GM-5D (FIG-3)	GY2M0300F03L5GM	3	20.85	19.5	0.3	5°	●		
		GY2M0300F03R5GM		20.85	19.5	0.3	5°	●		
		GY2M0400G03R5GM	4	25.85	24.5	0.3	5°	●		
		GY2M0500H04R5GM	5	25.95	24.5	0.4	5°	●		
仿型 /横向 For Copying	BM (FIG-2) 	GY2M0300F150N-BM	3	20.90	19.0	1.5	--	●	●	
		GY2M0400G200N-BM	4	25.80	23.4	2.0	--	●	●	
		GY2M0500H250N-BM	5	25.80	22.8	2.5	--	●	●	

KIGER

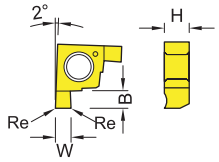
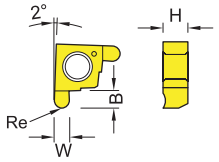
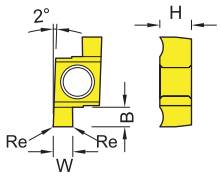
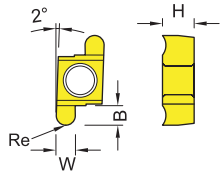




Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code 水孔Coolant	Dimensions,mm D	L	L1	F	dmin	Insert	Screw	Wrench	Weight Kg
KIGER-A0808H-A	8	100	20	4.8	8	GER100-200A..	MS2005A	ETF06	0.04
KIGER-A1010K-B	10	125	25	6.2	10	GER100-300B..	MS2206A	ETF07	0.08
KIGER-A1412M-C	12	150	33	8	14	GER100-350C..	MS2507A	ETF09	0.13
KIGER-A1616N-C	16	160	36	9	16	GER100-350C..	MS2508A	ETF09	0.23
KIGER-A2020Q-D	20	180	40	12.1	20	GER100-400D..	MS3010A	ETF09	0.39

被切削材 Workpiece material					
Steel 鋼	P	●	●		
Stainless steel 不銹鋼	M	●	●		
Cast iron 鑄鐵	K			●	●
Non-ferrous metal 非鐵金屬	N			●	●

Insert Shape	Description	GRADE 材質 Coated 塗層 PR1025	TN6020	Uncoated 無塗層 KW10	GW15	Dimensions,mm W	※B	Re	H
	**GER100-005A**	●	●	●		1.00	1.50	0.05	2.58
	GER125-005A	●	●	●		1.25		0.05	
	GER150-010A	●	●	●		1.50		0.10	
	GER200-010A	●	●	●		2.00		0.10	
	GER100-005B	●	●	●		1.00	2.20	0.05	3.18
	GER150-010B	●	●	●		1.50		0.10	
	GER200-010B	●	●	●		2.00		0.10	
	GER250-020B	●	●	●		2.50		0.20	
	**GER100-050AR**					1.00	1.50	0.50	2.58
	GER200-100AR					2.00		1.00	
	GER100-050BR					1.00	2.20	0.50	3.18
	GER200-100BR					2.00		1.00	
	**GER100-005C**	●	●		●	1.00	2.50	0.05	4.05
	GER150-010C	●	●		●	1.50		0.10	
	GER200-010C	●	●		●	2.00		0.10	
	GER250-020C	●	●		●	2.50		0.20	
	GER300-020C	●	●		●	3.00		0.20	
	GER100-005D	●	●		●	1.00	2.50	0.05	5.05
	GER150-010D	●	●		●	1.50	3.00	0.10	
	GER200-010D	●	●		●	2.00	3.20	0.10	
	GER250-020D	●	●		●	2.50	3.20	0.20	
	GER300-020D	●	●		●	3.00	4.50	0.20	
	**GER200-100CR**					2.00	2.50	1.00	4.05
	GER250-125CR					2.50		1.25	
	GER300-150CR					3.00		1.50	
	GER200-100DR					2.00	3.20	1.00	5.05
	GER300-150DR					3.00	4.50	1.50	

※B尺寸表示最大加工深度(Dimension B shows max grooving depth)

KIGMR

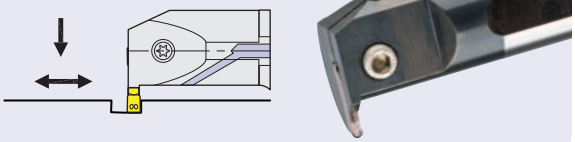


FIG-1

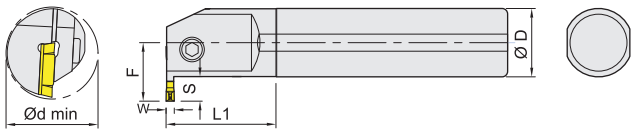
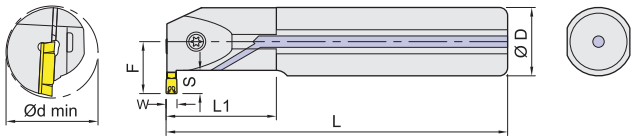


FIG-2



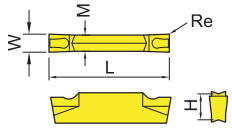
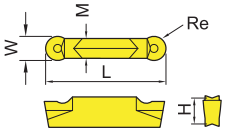
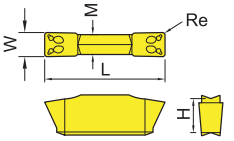
Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

FIG-1 Steel shank Item code	Dimensions,mm							Insert	Screw	Wrench	Weight Kg
	D	L	L1	F	dmin	S	W				
KIGMR-S20Q-3T07	20	180	35	17	28	7	3	GDM3020..	HTM516	PL40	0.44
KIGMR-S25R-3T09	25	200	40	21.5	35	9	3		HTMT520	ETL25	0.77

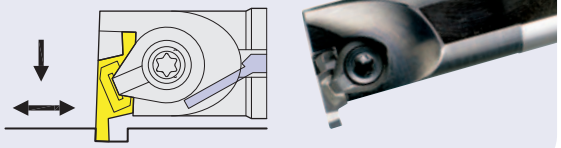
FIG-2 Steel shank Item code	Dimensions,mm							Insert	Screw	Wrench	Weight Kg
	D	L	L1	F	dmin	S	W				
KIGMR-S32S-4T11	32	250	50	23.5	40.5	11	4	GDM4020..	MS5017D	ETL20	1.58
KIGMR-S40T-4T11	40	300	50	27.5	48.5	11	4				2.96
KIGMR-1916M-3	16	150	25	11	19	5.5	3	GMM3014..	MS4013F	ETF15	0.44
KIGMR-A1916M-3※	16	150	25	11	19	5.5	3				0.44
KIGMR-S2016M-3055V	16	150	25	11.5	20	5.5	3	GMM3015..V	MS4013F	ETF15	0.25
KIGMR-S2520Q-3060V	20	180	32	14.5	25	6.0	3		MS5017D	ETL20	0.44
KIGMR-S3225R-3080V	25	200	40	19	32	8.0	3				0.77
KIGMR-S25R-4V-8.5L	25	200	40	19	32	8.5	4	GMM4020..V	MS5017D	ETL20	0.77
KIGMR-S32S-4V-11.0L	32	250	50	23.5	40	11	4				1.58

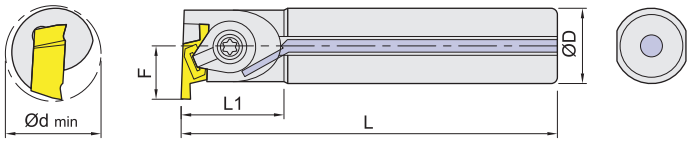
※表示中心出水Coolant

被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K		●	●
	Non-ferrous metal 非鐵金屬	N			●

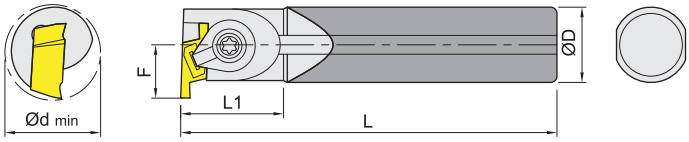
Insert Shape	Description		GRADE 材質 Coated 塗層 PR930	Coated 塗層 PR1215	Uncoated 無塗層 KW10	Dimensions,mm W	L	H	M	Re
	**GDM**	**3020N-...**		●		3	20	4.3	2.3	0.3
		4020N-...		●		4	20	4.3	3.3	0.3
	**GDM**	**3020N-150R**		●		3	20	4.3	2.3	1.5
		4020N-200R		●		4	20	4.3	3.3	2.0
	**GMM**	**3014-04**	●			3	14	4.3	2.3	0.4
		3015-040V	●			3	15.5	4.3	3.3	0.4
		4020-040V	●		●	4	20	4.3	3.3	0.4

GIVR





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖



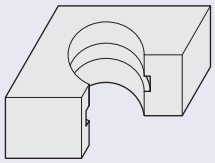
Carbide shank (Right-hand shown)
鎢鋼柄 右向示意圖

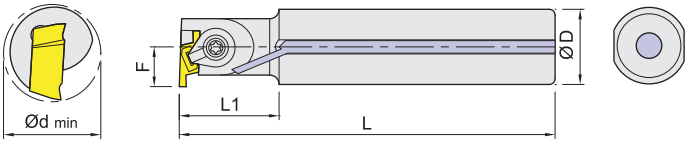
Steel shank Item code		Dimensions,mm					Insert		Clamp	Wrench	Weight Kg
無水孔 Non-coolant	水孔Coolant	D	L	L1	F	dmin					
GIVR-1108K-1SS	GIVR-A1108K-1SS	08	125	20	7	11	GVR...SS	GVR100SS~300SS	CPS4V	ETF10	0.05
GIVR-1310K-1S	GIVR-A1310K-1S	10	125	25	8	14	GVR...S	GVR100S~340S	CPS5F-1	ETF15	0.08
GIVR-1512M-1A	GIVR-A1512M-1A	12	150	30	9	15	GVR...A	GVR100A~340A	CPS5F		0.15
GIVR-2016Q-1A	GIVR-A2016Q-1A	16	180	35	11	20	GVR...A	GVR100A~340A	CPS5V		0.28
GIVR-2520R-1B	GIVR-A2520R-1B	20	200	40	14	25	GVR...B	GVR145B~400B	CPS5V		0.50
GIVR-3225R-1C	GIVR-A3225R-1C	25	200	40	19.5	32	GVR...C	GVR280C~500C	CPS6V	PL30	0.77
GIVR-3225S-1C	GIVR-A3225S-1C	25	250	40	19.5	32	GVR...C	GVR280C~500C	CPS6V		0.96
GIVR-4032S-2C	GIVR-A4032S-2C	32	250	48	23	40	GVR...C	GVR340C~500C	CPS6V		1.58

Carbide shank Item code		Dimensions,mm					Insert		Clamp	Wrench	Weight Kg
無水孔 Non-coolant	水孔Coolant	D	L	L1	F	dmin					
GIVR-C1108K-1SS	GIVR-E1108K-1SS	08	125	20	7	11	GVR...SS	GVR100SS~300SS	CPS4V	ETF10	0.09
GIVR-C1310K-1S		10	125	25	8	14	GVR...S	GVR100S~340S	CPS5F-1	ETF15	0.08
GIVR-C1512M-1A	GIVR-E1512M-1A	12	150	30	9	15	GVR...A	GVR100A~340A	CPS5F	ETF15	0.24
GIVR-C2016M-1A		16	150	35	11	20	GVR...A	GVR100A~340A	CPS5V	ETF15	0.28

※刀片請參考153頁Please refer to page 153 for insert.

GIVR



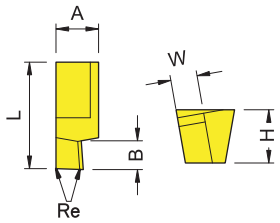
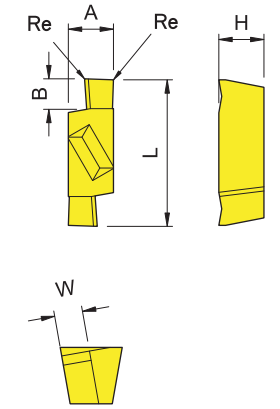
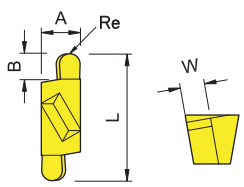


Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

Steel shank Item code		Dimensions,mm					Insert		Clamp	Wrench	Weight Kg
無水孔 Non-coolant	水孔Coolant	D	L	L1	F	dmin					
GIVR-1116L-1SS	**GIVR-A1116L-1SS**	16	140	20	7	11	GVR...SS	GVR100SS~300SS	CPS4V	ETF10	0.22
GIVR-1316L-1S	**GIVR-A1316L-1S**	16	140	25	8	13	GVR...S	GVR100S~340S	CPS5F-1	ETF15	0.22
GIVR-1516L-1A	**GIVR-A1516L-1A**	16	140	30	9	15	GVR...A	GVR100A~340A	CPS5F		0.22

※刀片請參考153頁Please refer to page 153 for insert.

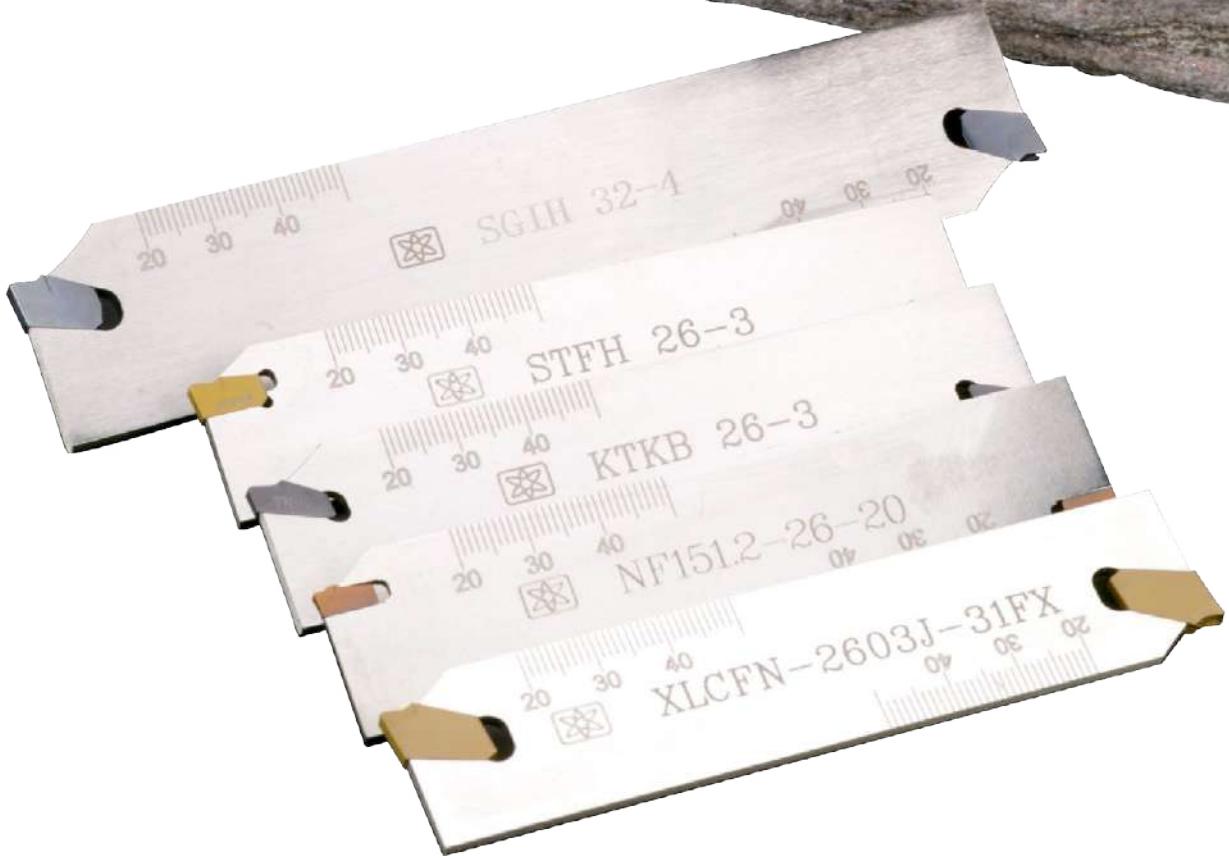
被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K			●
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description		GRADE 材質 Coated 塗層 PR930	Cermet 金屬陶瓷 TC40/TC60	Uncoated 無塗層 KW10	Dimensions,mm W	※B	Re	A	L	H
	GVR	100SS	●	●	●	1.00	2.3	0.2	3.6	9.0	3.0
		125SS		●	●	1.25					
		145SS		●	●	1.45					
		200SS	●	●	●	2.00					
		250SS	●	●	●	2.50					
		300SS	●	●	●	3.00					
		100S	●	●	●	1.00	2.3	0.2	4.0	11.0	4.0
		125S	●	●	●	1.25					
		145S	●	●	●	1.45					
		185S	●	●		1.85					
		200S	●	●		2.00					
		250S	●		●	2.50					
		340S	●	●	●	3.40					
	GVR	100A	●	●	●	1.00	2.3	0.2	4.0	12.0	5.0
		125A	●	●	●	1.25					
		145A	●	●	●	1.45					
		185A	●	●	●	1.85					
		200A	●	●	●	2.00					
		250A	●	●	●	2.50					
		300A	●	●	●	3.00					
		340A	●	●	●	3.40					
		145B	●	●	●	1.45	2.8	0.2	4.5	15.0	5.5
		185B	●	●	●	1.85					
		200B	●	●	●	2.00	3.2				
		230B	●	●	●	2.30					
		250B	●	●	●	2.50					
		280B	●	●	●	2.80					
		300B	●	●	●	3.00	4.2				
		340B	●	●	●	3.40					
		400B	●	●	●	4.00					
		280C	●	●	●	2.80	4.5	0.2	5.8	21.0	6.5
		300C	●	●	●	3.00					
		340C	●	●	●	3.40	5.5				
		400C	●	●	●	4.00					
		430C	●	●	●	4.30	6.3				
		460C	●	●	●	4.60					
		500C	●	●	●	5.00					
	GVR	100AR	●	○	●	2.00	2.3	1.00	4.0	12.0	5.0
		125AR	●	○	●	2.50		1.25			
		150AR	●	○	●	3.00		1.50			
		100BR	●	●	●	2.00	3.2	1.00	4.5	15.0	5.6
		150BR	●	○	●	3.00	4.2	1.50			

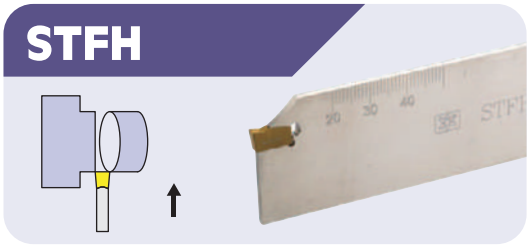
※B尺寸表示最大加工深度(Dimension B shows max grooving depth)

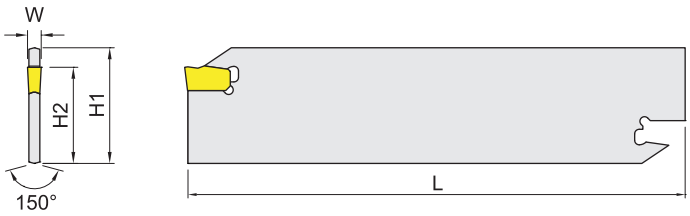
切斷刀板 & 切斷刀板座

PARTING BLADE & TOOLBLOCK



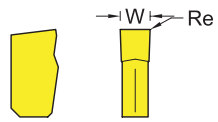
STFH



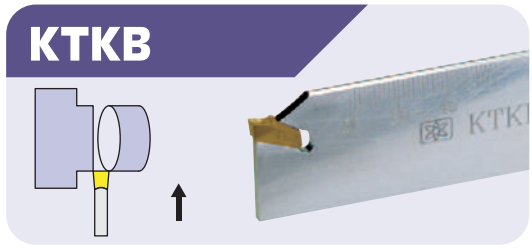


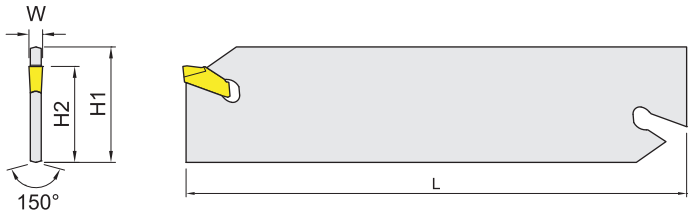
Item code	Dimensions,mm				Insert	Toolblock	Wrench	Weight Kg
	H1	H2	L	W				
STFH 26-3	26	21.4	110	3	WCF_3_	SGTBU..-26 SGTBV25-26	ESG-1	0.08
STFH 32-3	32	25	150	3		SGTBU..-32		0.12

被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K		●
Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description	GRADE 材質		Dimensions,mm		
		Coated 塗層	Uncoated 無塗層			
		AC830P	G10E	W	Re	K°
	**WCF N3**	●		3	0.2	--

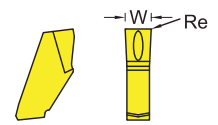
KTKB



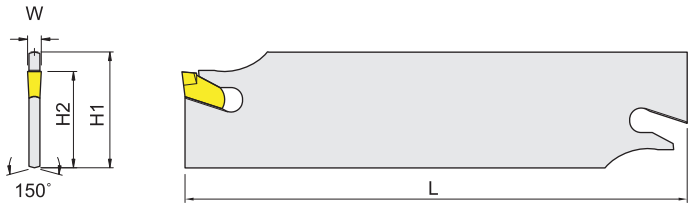


Item code	Dimensions,mm				Insert	Toolblock	Wrench	Weight Kg
	H1	H2	L	W				
KTKB 26-3	26	21.4	110	3.1	TKN 3	SGTBU..-26	ESG-1	0.08
KTKB 26-4	26	21.4	110	4.1	TKN 4	SGTBV25-26		0.08
KTKB 32-3	32	25	150	3.1	TKN 3	SGTBU..-32		0.12
KTKB 32-4	32	25	150	4.1	TKN 4			0.12

被切削材 Workpiece material				
Steel 鋼	P	●		
Stainless steel 不銹鋼	M	●	●	
Cast iron 鑄鐵	K			●
Non-ferrous metal 非鐵金屬	N			●

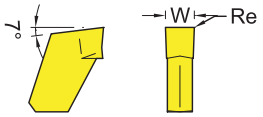
Insert Shape	Description	GRADE 材質			Dimensions,mm		
		Coated 塗層	Cermet 金屬陶瓷	Uncoated 無塗層			
		PR930	TN90	KW10	W	Re	K°
	**TKN 3**	●	●	●	3.1	0.25	--
	TKN 4	●	●		4.1	0.3	--

SGFH

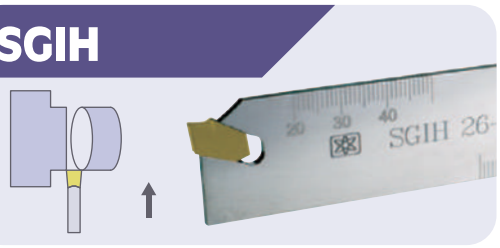


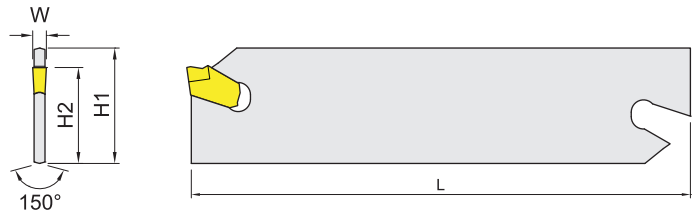
Item code	Dimensions,mm				Insert	Toolblock	Wrench	Weight Kg
	H1	H2	L	W				
SGFH 26-2	26	21.4	110	2.2/2.4	GFN 2/2.4	SGTBU..-26	ESG-1	0.08
SGFH 26-3	26	21.4	110	3.0	GFN 3	SGTBV25-26		0.08
SGFH 32-2	32	25	150	2.2/2.4	GFN 2/2.4	SGTBU..-32		0.09
SGFH 32-3	32	25	150	3.0	GFN 3			0.12

被切削材 Workpiece material					
Steel 鋼	P	●	●	
Stainless steel 不銹鋼	M	●	●	
Cast iron 鑄鐵	K		●	●
Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質			Dimensions,mm		
		Coated 塗層		Uncoated 無塗層			
		IC354	GT25	IC20	W	Re	K°
	**GFN 2**	●			2.2	0.16	--
	GFN 2A			●	2.2	0.16	--
	GFN 2.4	●			2.4	0.16	--
	GFN 3	●	●		3.0	0.2	--
	GFN 3A			●	3.0	0.2	--

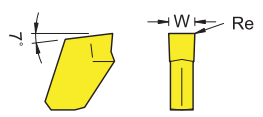
SGIH



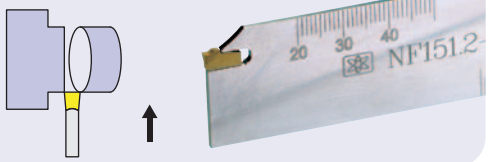


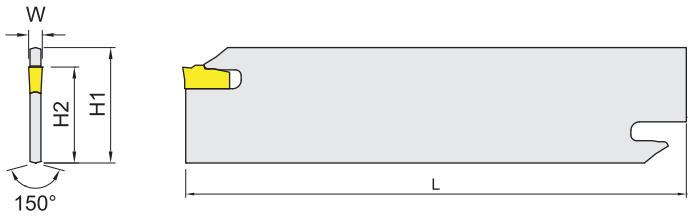
Item code	Dimensions,mm				Insert	Toolblock	Wrench	Weight Kg
	H1	H2	L	W				
SGIH 26-2	26	21.4	110	2.2/2.4	GTN 2/2.4	SGTBU..-26	ESG-1	0.07
SGIH 26-3				3.1	GTN 3	SGTBV25-26		0.08
SGIH 26-4				4.1	GTN 4			0.10
SGIH 32-2	32	25	150	2.2/2.4	GTN 2/2.4	SGTBU..-32		0.09
SGIH 32-3				3.1	GTN 3			0.12
SGIH 32-4				4.1	GTN 4			0.15

被切削材 Workpiece material						
Steel 鋼	P	●	●	●	
Stainless steel 不銹鋼	M	●	●	●	
Cast iron 鑄鐵	K		●		●
Non-ferrous metal 非鐵金屬	N				●

Insert Shape	Description	GRADE 材質				Dimensions,mm		
		Coated 塗層			Uncoated 無塗層			
		IC354	GT25	TN6025	IC20	W	Re	K°
	**GTN 2**	●			●	2.2	0.16	--
	GTN 2.4					2.4	0.16	--
	GTN 3		●	●	●	3.1	0.2	--
	GTN 4	●			●	4.1	0.24	--

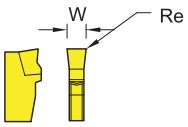
NF151.2



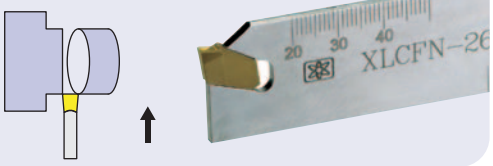


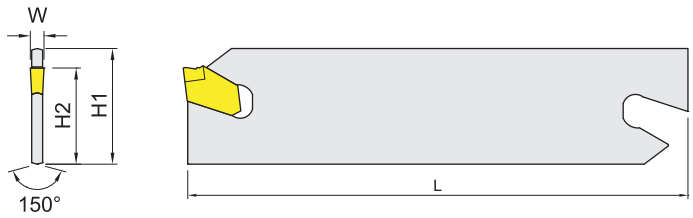
Item code	Dimensions,mm				Insert	Toolblock	Wrench	Weight Kg
	H1	H2	L	W				
NF151.2-26-20	26	21.4	110	2.0	N151.2-200..	SGTBU..-26 SGTBV25-26	ESG-1	0.07
NF151.2-26-30	26	21.4	110	3.0	N151.2-300..			
NF151.2-32-20	32	25	150	2.0	N151.2-200..	SGTBU..-32		0.10
NF151.2-32-30	32	25	150	3.0	N151.2-300..			

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K	●	
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm		
		1125	4125	W	Re	K°
	**N151.2-200-5E**	●		2	0.2	--
	N151.2-300-5E	●		3	0.2	--

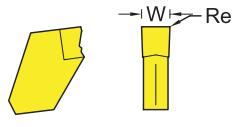
XLCFN



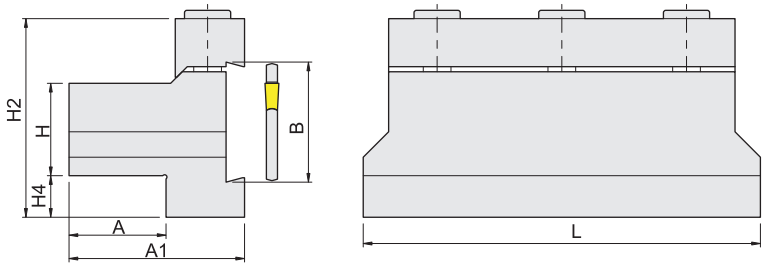


Item code	Dimensions,mm				Insert	Toolblock	Wrench	Weight Kg
	H1	H2	L	W				
XLCFN-2603J-31FX	26	21.4	110	3.1	FX3.1...	SGTBU..-26	ESG-1	0.08
XLCFN-2604J-41FX	26	21.4	110	4.1	FX4.1...	SGTBV25-26		0.10
XLCFN-3203M-31FX	32	25	150	3.1	FX3.1...	SGTBU..-32		0.12
XLCFN-3204M-41FX	32	25	150	4.1	FX4.1...			0.15

被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K	●		●
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質 Coated 塗層		Uncoated 無塗層	Dimensions,mm		
		CTCP335	CTPP345	H216T	W	Re	K°
	**FX3.1 NO.15-M1**	●			3.1	0.15	--
	FX3.1 NO.15-27P			●	3.1	0.15	--
	FX4.1 NO.20-M1		●		4.1	0.2	--
	FX4.1 NO.15-27P			●	4.1	0.15	--

SGTBU



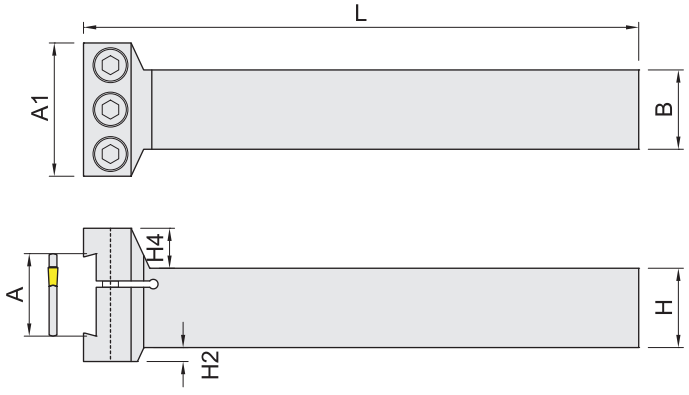
Metric

Item code	Dimensions,mm							Screw	Wrench	Blade	Weight Kg
	H	B	A	A1	L	H2	H4				
SGTBU 16-26	16	26	17	34	86	43	12.5	HTM630	PL50	OOOO 26..	0.58
SGTBU 20-26	20	26	21	38	86	43	8.5				0.66
SGTBU 25-26	25	26	23	40	86	43	6				0.77
SGTBU 20-32	20	32	21	40	110	50	13			OOOO 32..	0.97
SGTBU 25-32	25	32	23	42	110	50	8				1.08

Inch

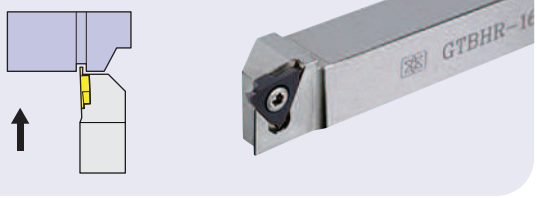
Item code	Dimensions,mm							Screw	Wrench	Blade	Weight Kg
	H	B	A	A1	L	H2	H4				
SGTBU 19.05-26	19.05	26	19.05	38	86	43	10	HTM630	PL50	OOOO 26..	0.97
SGTBU 25.4-26	25.4	26	25.4	42.4	86	44.5	5.1				1.09
SGTBU 19.05-32	19.05	32	19.05	40	110	50	14			OOOO 32..	0.97
SGTBU 25.4-32	25.4	32	25.4	44.4	110	50	7.6				1.08

SGTBV

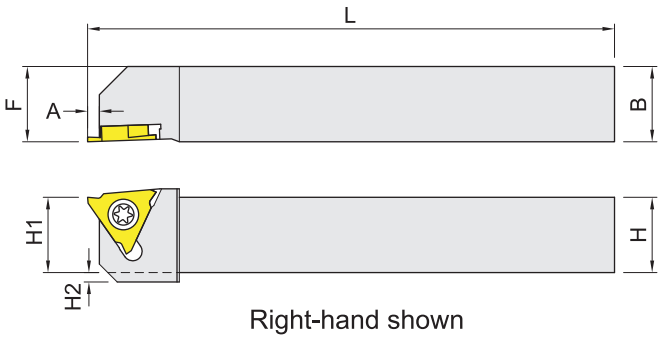


Item code	Dimensions,mm							Screw	Wrench	Blade	Weight Kg
	H	B	A	A1	L	H2	H4				
SGTBV 25-26	25	25	26	42	125	4.4	11.6	HTM630	PL50	OOOO 26..	0.76

GTBH



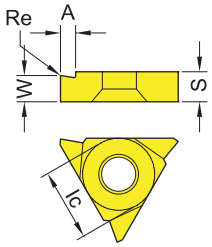
功能：開槽 Grooving



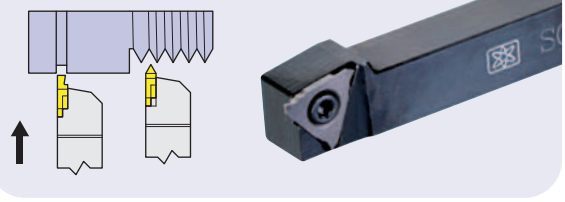
Right-hand shown

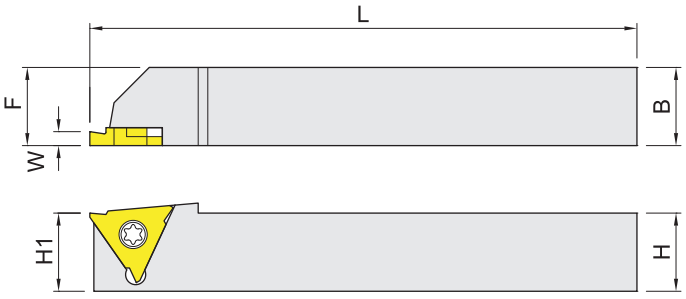
Item code	Dimensions,mm						Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	H2	F	A				
GTBHR/L-1010K-30	10	10	125	4	10	3	GTBT... GTCT...	MS4008C	ETF10	0.12
GTBHR/L-1212K-30	12	12	125	2	12	3				0.15
GTBHR/L-1616K-30	16	16	125	--	16	3				0.26
GTBHR/L-2020K-30	20	20	125	--	20	3				0.42

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	
	Non-ferrous metal 非鐵金屬	N	

Insert Shape	Description		GRADE 材質 Coated 塗層 NW948	Dimensions,mm W	A	Re	Ic	S
 Right-hand	**GTBT**	**14530V5R-U**		1.45	3.0	0.05	9.525	3.18
		14530V5L-U						
		15030V5R-U	●	1.50				
		15030V5L-U	●					
		17530V5R-U		1.75				
		17530V5L-U						
		20030V5R-U		2.00				
		20030V5L-U						
	GTCT	**25030V5R-U**		2.50				
		25030V5L-U						
		30030V5R-E	●	3.00				
		30030V5L-E						

SGH2



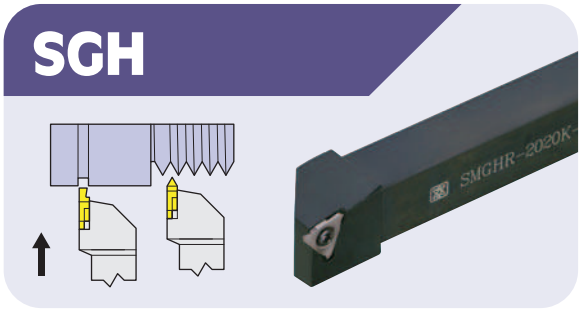


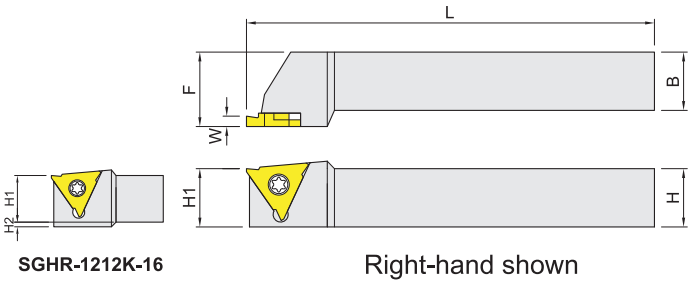
功能：開槽 Grooving / 螺紋 Threading

Right-hand shown

Item code	Dimensions,mm				Insert		Screw	Wrench	Weight Kg
	H (H1)	B	L	F	開槽刀片 Grooving	車牙刀片 Threading			
SGH2R-1212K-16	12	12	125	12	SMGTR 16X2... SMGTR 16X2...C	SMTTR 160360..	MS4008C	ETF10	0.15
SGH2R-1616K-16	16	16	125	16					0.26
SGH2R-2020K-16	20	20	125	20					0.42

SGH





SGHR-1212K-16

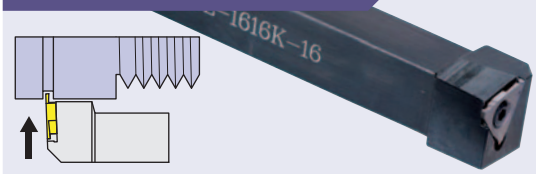
功能：開槽 Grooving / 螺紋 Threading

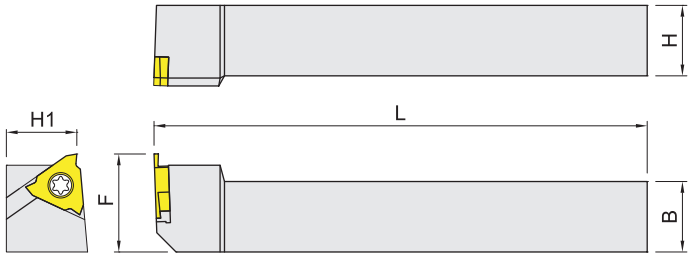
Right-hand shown

Item code	Dimensions,mm					Insert		Screw	Wrench	Weight Kg
	H (H1)	B	L	H2	F	開槽刀片 Grooving	車牙刀片 Threading			
SGHR-1212K-16	12	12	125	2	16	SMGTR 16X2... SMGTR 16X2...C	SMTTR 160360..	MS4008C	ETF10	0.17
SGHR-1616K-16	16	16	125	--	20					0.29
SGHR-2020K-16	20	20	125	--	25					0.45
SGHR-2525M-16	25	25	150	--	32					0.84

※刀片請參考161 頁Please refer to page 161 for insert.

SGSL



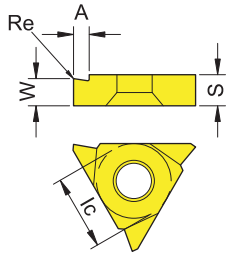
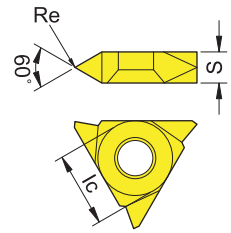


Left-hand shown

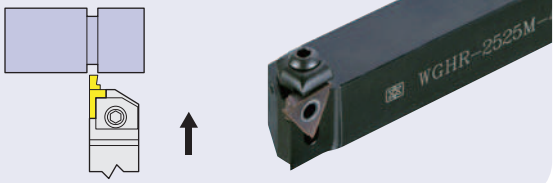
功能：開槽 Grooving / 螺紋 Threading

Item code	Dimensions,mm				Insert		Screw	Wrench	Weight Kg
	H (H1)	B	L	F	開槽刀片 Grooving	車牙刀片 Threading			
SGSL-1616K-16	16	16	125	22	SMGTR 16X2... SMGTR 16X2...C	SMTTR 160360..	MS4008C	ETF10	0.29
SGSL-2020K-16	20	20	125	26					0.45

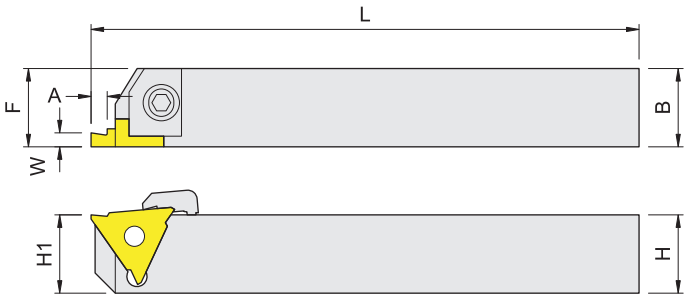
被切削材 Workpiece material				
Steel 鋼	P	●	●
Stainless steel 不銹鋼	M	●	●
Cast iron 鑄鐵	K	●	●
Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description		GRADE 材質 Uncoated 無塗層		Dimensions,mm					
			NY942	NM936	W	A	Ic	S	Re	Pitch(mm)
	**SMGTR**	**16X2050**			0.50	1.5	9.525	2.0	--	--
		16X2060			0.60				--	--
		16X2050C	●		0.50				0.05	--
		16X2060C	●		0.60					--
		16X2070C	●	●	0.70	2.0				--
		16X2075C	●		0.75					--
		16X2080C	●		0.80				0.1	--
		16X2095C	●		0.95					--
		16X2100C	●	●	1.00	2.5				--
		16X2110C	●		1.10					--
		16X2120C	●	●	1.20					--
		16X2130C	●		1.30					--
	**SMTTR**	**16036001**		●			9.525	3.18	0.1	1.0-1.5
		16036002	●				9.525	3.18	0.2	1.75-2.0

WGH



功能：開槽 Grooving

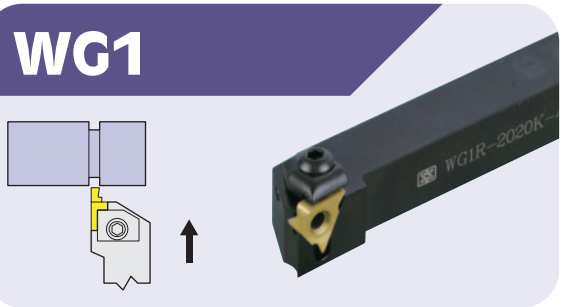


Right-hand shown

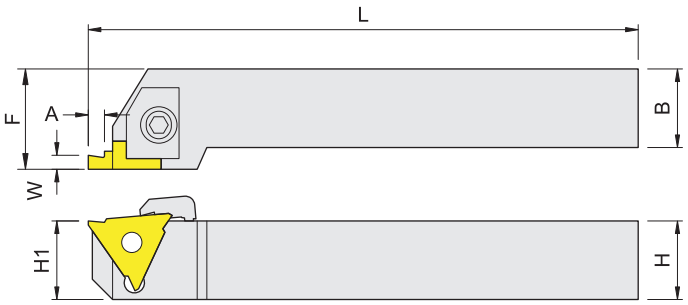
Item code	Dimensions,mm					Insert		Clamp	Spring	Screw	Wrench	Weight Kg
	H (H1)	B	L	F	W							
WGHR/L-2020K-3315	20	20	125	20	1.25~2.3	MGTR/L	33125 | 33400	MTK1R/L	MES3	HTR623	PL40	0.42
WGHR/L-2020K-3323	20	20	125	20	2.3~3.3							0.42
WGHL-2020K-3333	20	20	125	20	3.3~4.0							0.42
WGHL-2525M-3315	25	25	150	25	1.25~2.3							0.78
WGHL-2525M-3323	25	25	150	25	2.3~3.3							0.78
WGHL-2525M-3333	25	25	150	25	3.3~4.0							0.78
WGHR/L-1616K-4315	16	16	125	16	1.25~2.3	MGTR/L	43125 | 43470	MTK1R/L	MES3	HTR623	PL40	0.27
WGHR-1620K-4315	16	20	125	20	1.25~2.3							0.31
WGHR/L-1616K-4323	16	16	125	16	2.3~3.3							0.27
WGHR/L-2020K-4315	20	20	125	20	1.25~2.3							0.42
WGHR/L-2020K-4323	20	20	125	20	2.3~3.3							0.42
WGHR/L-2020K-4333	20	20	125	20	3.3-4.7							0.42
WGHR/L-2525M-4315	25	25	150	25	1.25~2.3							0.78
WGHR/L-2525M-4323	25	25	150	25	2.3~3.3							0.78
WGHR/L-2525M-4333	25	25	150	25	3.3-4.7							0.78

※刀片與A值 請參考164 頁Please refer to page 164 for insert & dimension A .

WG1



功能：開槽 Grooving

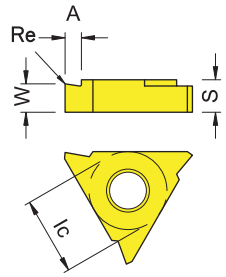
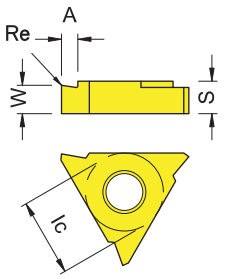


Right-hand shown

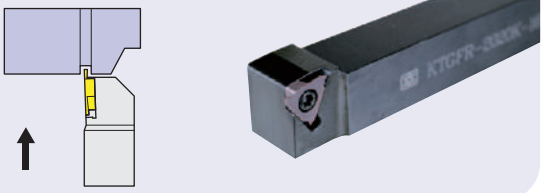
Item code	Dimensions,mm					Insert		Clamp	Spring	Screw	Wrench	Weight Kg
	H (H1)	B	L	F	W							
WG1R-1616K-3315	16	16	125	20	1.25~2.3	MGTR	33125 | 33400	MTK1R	MES3	HTR623	PL40	0.29
WG1R-1616K-3323	16	16	125	20	2.3~3.3							0.29
WG1R-1616K-3333	16	16	125	20	3.3~4.0							0.29
WG1R-2020K-3315	20	20	125	25	1.25~2.3							0.45
WG1R-2020K-3323	20	20	125	25	2.3~3.3							0.45
WG1R-2020K-3333	20	20	125	25	3.3~4.0							0.45
WG1R-2525M-3315	25	25	150	32	1.25~2.3							0.84
WG1R-2525M-3323	25	25	150	32	2.3~3.3							0.84
WG1R-2525M-3333	25	25	150	32	3.3~4.0							0.84
WG1R/L-1616K-4315	16	16	125	20	1.25~2.3	MGTR/L	43125 | 43470	MTK1R/L	MES3	HTR623	PL40	0.29
WG1R/L-1616K-4323	16	16	125	20	2.3~3.3							0.29
WG1R/L-1616K-4333	16	16	125	20	3.3~4.7							0.29
WG1R/L-2020K-4315	20	20	125	25	1.25~2.3							0.45
WG1R/L-2020K-4323	20	20	125	25	2.3~3.3							0.45
WG1R/L-2020K-4333	20	20	125	25	3.3~4.7							0.45
WG1R/L-2525M-4315	25	25	150	32	1.25~2.3							0.84
WG1R/L-2525M-4323	25	25	150	32	2.3~3.3							0.84
WG1R/L-2525M-4333	25	25	150	32	3.3~4.7							0.84
WG1R/L-3232P-4323	32	32	170	40	2.3~3.3							1.36

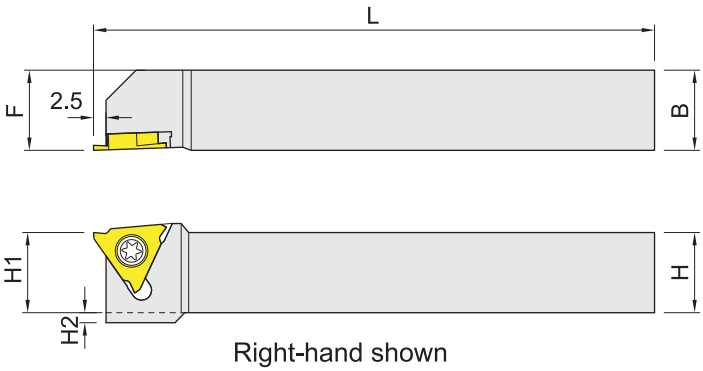
※刀片與A值 請參考164 頁Please refer to page 164 for insert & dimension A .

被切削材 Workpiece material						
	Steel 鋼	P	●	●	●	●
	Stainless steel 不銹鋼	M	●	●	●	●
	Cast iron 鑄鐵	K	●	●	●	●
	Non-ferrous metal 非鐵金屬	N				

Insert Shape	Description		GRADE 材質				Dimensions,mm				
			Coated 塗層		Uncoated 無塗層						
			GT25		NY942						
			R	L	R	L	W	A	Re	Ic	S
 Right-hand	MGTR/L	33125					1.25	1.2	0.2	9.525	4.76
		33145					1.45	1.5	0.2	9.525	4.76
		33150			●		1.5	3	0.2	9.525	4.76
		33175			●		1.75	3	0.2	9.525	4.76
		33200			●		2	3	0.2	9.525	4.76
		33230					2.3	3	0.2	9.525	4.76
		33250			●		2.5	3	0.3	9.525	4.76
		33270					2.7	3	0.3	9.525	4.76
		33280					2.8	3	0.3	9.525	4.76
		33300			●		3	3	0.3	9.525	4.76
		33320					3.2	3	0.3	9.525	4.76
		33330					3.3	3	0.3	9.525	4.76
		33350					3.5	3	0.3	9.525	4.76
		33400					4	3	0.3	9.525	4.76
 Right-hand	MGTR/L	43125	●				1.25	1.2	0.2	12.7	4.76
		43145			●		1.45	1.5	0.2	12.7	4.76
		43150	●	●	●		1.5	3	0.2	12.7	4.76
		43175	●				1.75	3	0.2	12.7	4.76
		43200	●		●	●	2	3	0.2	12.7	4.76
		43230	●		●		2.3	3	0.2	12.7	4.76
		43250	●		●		2.5	4.5	0.3	12.7	4.76
		43260					2.6	4.5	0.3	12.7	4.76
		43270	●				2.7	4.5	0.3	12.7	4.76
		43280					2.8	4.5	0.3	12.7	4.76
		43300	●		●		3	4.5	0.3	12.7	4.76
		43320					3.2	4.5	0.3	12.7	4.76
		43330			●		3.3	4.5	0.3	12.7	4.76
		43350					3.5	4.5	0.3	12.7	4.76
		43400	●				4	4.5	0.3	12.7	4.76
		43420					4.2	4.5	0.4	12.7	4.76
		43430					4.3	4.5	0.4	12.7	4.76
		43450	●				4.5	4.5	0.4	12.7	4.76
		43470					4.7	4.5	0.4	12.7	4.76

KTGF_F



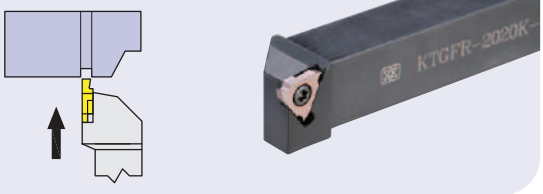


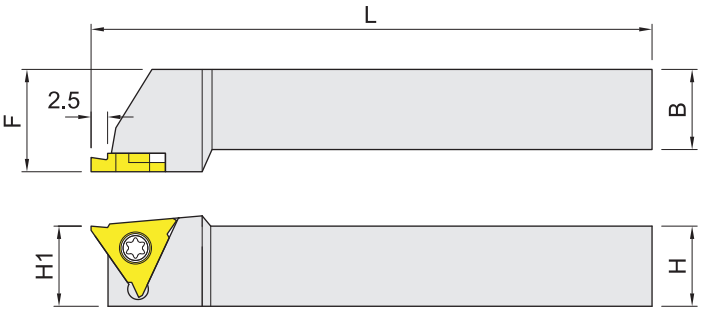
功能：開槽 Grooving

Right-hand shown

Item code	Dimensions,mm					Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	H2	F				
KTGFR/L-1010K-16F	10	10	125	4	10	TGF32R/L..	MS4009A	ETF15	0.10
KTGFR-1012K-16F	10	12	125	2	12		MS4011A		0.14
KTGFR/L-1212K-16F	12	12	125	2	12				0.15
KTGFR/L-1616K-16F	16	16	125	--	16				0.27
KTGFR-2020K-16F	20	20	125	--	20				0.42

KTGF



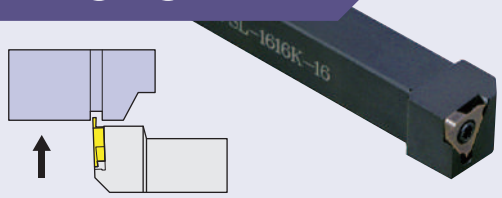


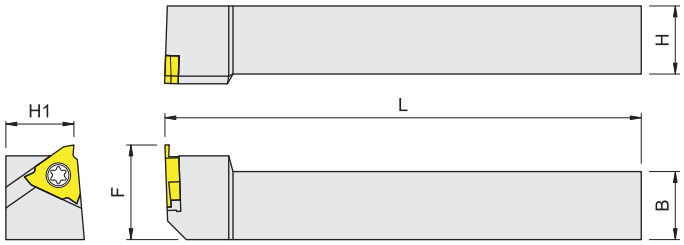
功能：開槽 Grooving

Right-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	F				
KTGFR/L-1616K-16	16	16	125	20	TGF32R/L..	MS4011A	ETF15	0.30
KTGFR/L-2020K-16	20	20	125	25				0.45
KTGFR/L-2525M-16	25	25	150	32				0.78

KTGFS

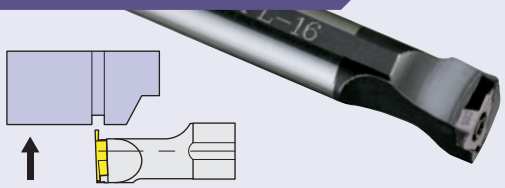


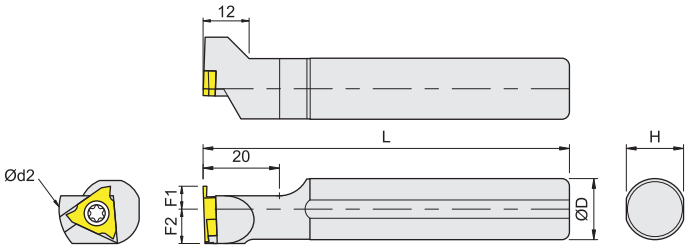


Left-hand shown

Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	F				
KTGFSL-1616K-16	16	16	125	22	TGF32R..	MS4009A	ETF15	0.29
KTGFSL-2020K-16	20	20	125	26				0.45

KTGFL

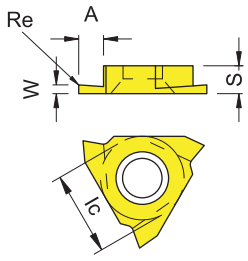




Left-hand shown

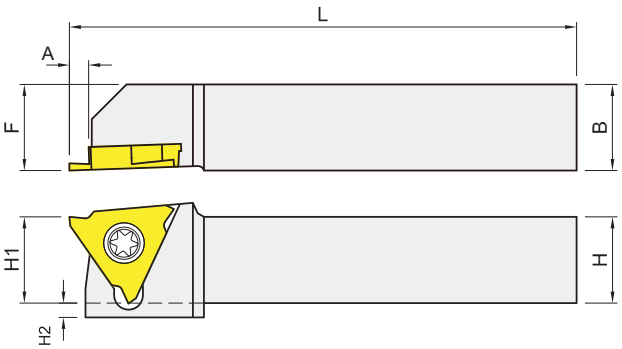
Item code	Dimensions,mm						Insert	Screw	Wrench	Weight Kg
	D	L	H	F1	F2	d2				
S16H-KTGFL-16	16	100	15	7	9	27	TGF32R..	MS4009A	ETF15	0.16

被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K		●
Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description		GRADE 材質		Dimensions,mm				
			Coated 塗層	Uncoated 無塗層					
			PR930	KW10	W	A	Ic	S	Re
	TGF	32R033-005	○		0.33	0.8	9.525	3.18	0.05
		32R050-005	●		0.50	1.2	9.525	3.18	0.05
		32R075-010	●		0.75	2.0	9.525	3.18	0.1
		32R095-010	●		0.95	2.0	9.525	3.18	0.1
		32R100-010	●		1.00	2.0	9.525	3.18	0.1
		32R125-010	●		1.25	2.0	9.525	3.18	0.1
		32R145-010	○		1.45	2.0	9.525	3.18	0.1
		32R150-010	●	●	1.50	2.0	9.525	3.18	0.1
		32R175-010	●		1.75	2.0	9.525	3.18	0.1
		32R200-010	●	●	2.00	2.5	9.525	3.18	0.1
		32R250-010	●		2.50	2.5	9.525	3.18	0.1

KGBF_F

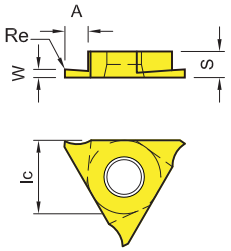
功能：開槽 Grooving



Right-hand shown

Item code	Dimensions,mm					Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	H2	F				
KGBFR-1010K-16F	10	10	125	4	10	GBF32R..	MS4008C	ETF10	0.10
KGBFR-1212K-16F	12	12	125	2	12				0.15
KGBFR-1616K-16F	16	16	125	--	16				0.27
NEW **KGBFR-2020K-16F**	20	20	125	--	20				0.45
NEW **KGBFR-2525M-16F**	25	25	150	--	25				0.75

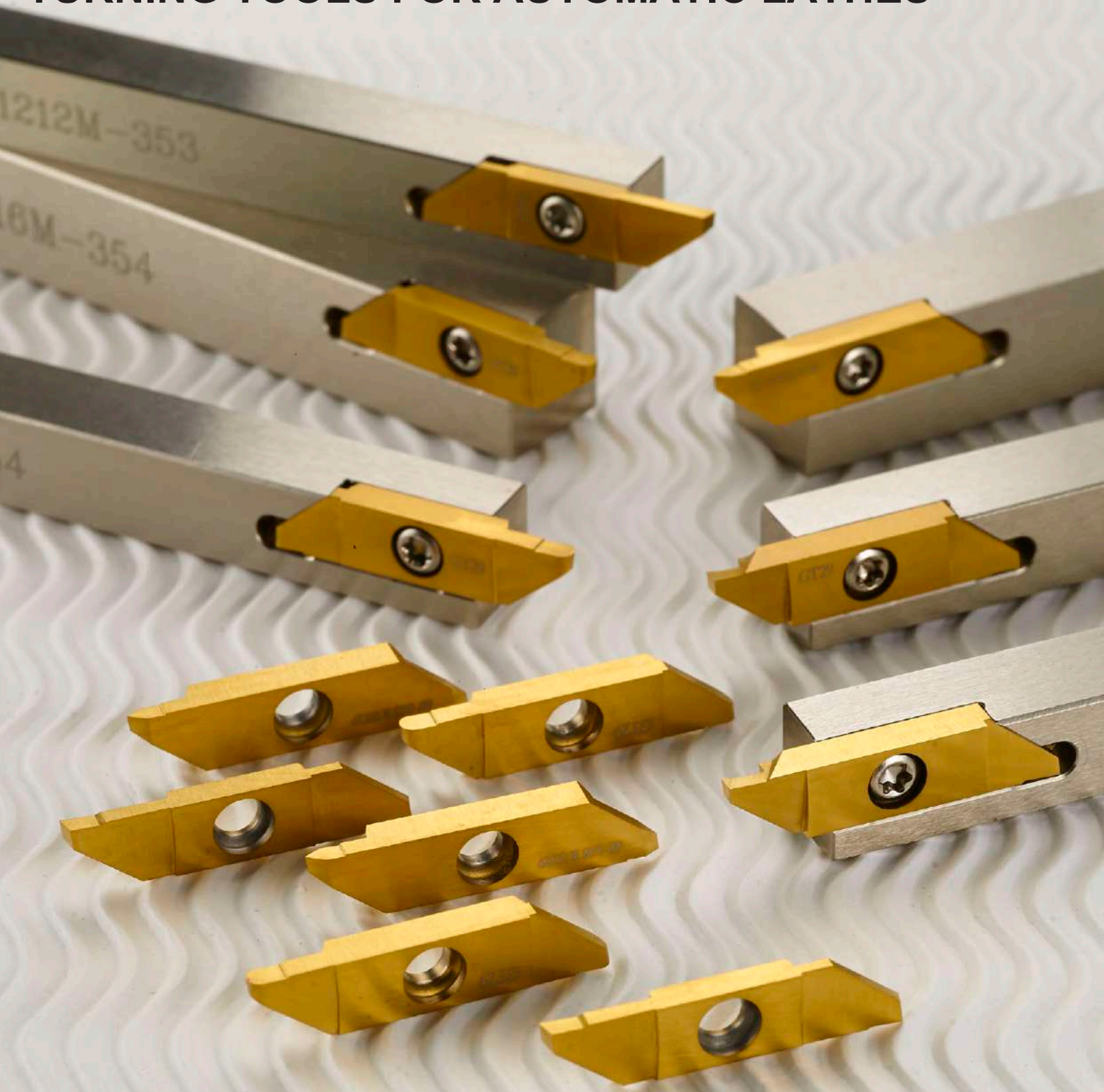
被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		●

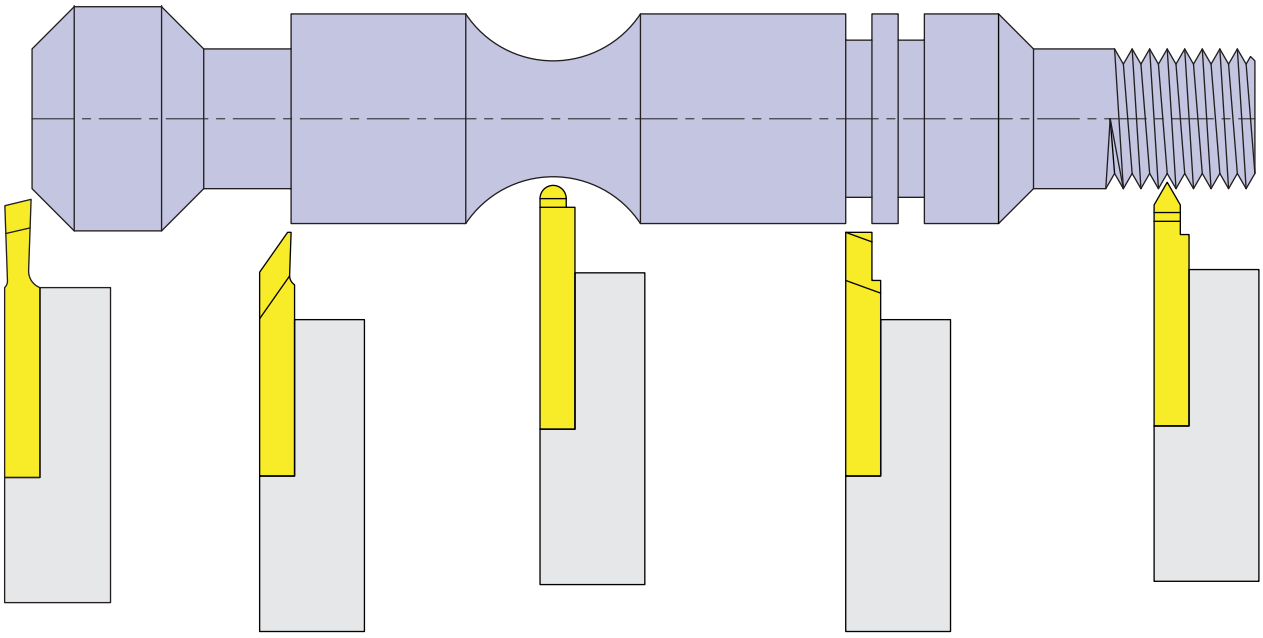
Insert Shape	Description		GRADE 材質		Dimensions,mm				
			Coated 塗層	Uncoated 無塗層					
			PR1215	GW15	W	A	Ic	S	Re
	GBF	32R050-005	●		0.5	1.2	9.525	3.18	0.05
		32R100-005			1.0	2			
		32R120-005			1.2				
		32R130-005			1.3				
		32R150-005			1.5	2.7			

SHAN GIN

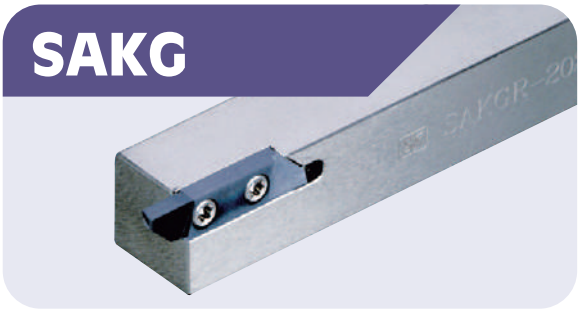
CNC 走心自動車床刀具

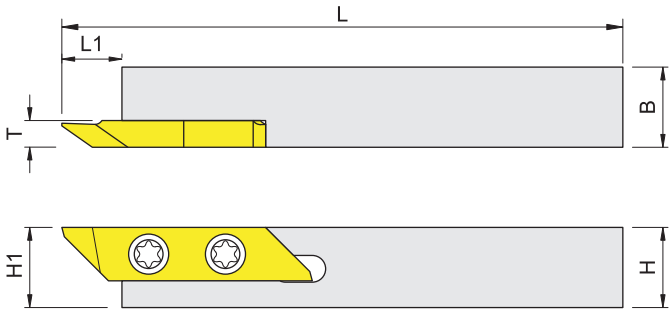
TURNING TOOLS FOR AUTOMATIC LATHES





SAKG



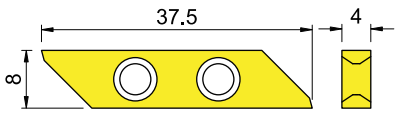


功能：開槽 Grooving and turning / 螺紋 Threading
切斷 Parting off / 後掃 Back turning

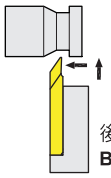
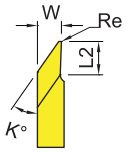
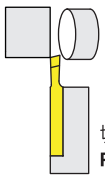
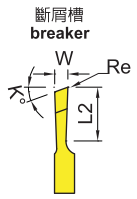
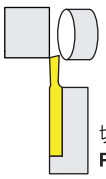
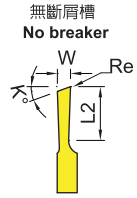
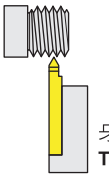
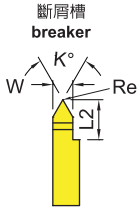
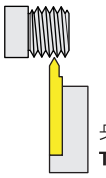
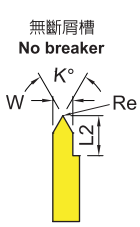
Right-hand shown

Item code	Dimensions,mm					Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	L1	T				
SAKGR/L-1010K-374	10	10	125	9	4	AK..3..	MS3509A	ETF15	0.10
SAKGR/L-1212K-374	12	12	125	9	4				0.14
SAKGR/L-1212M-374	12	12	150	9	4				0.17
SAKGR/L-1616M-374	16	16	150	9	4				0.30
SAKGR/L-2020K-374	20	20	125	9	4				0.39
SAKGR/L-2525M-374	25	25	150	9	4				0.74

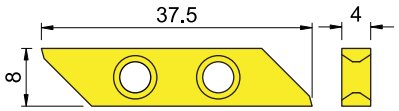
Insert Shape



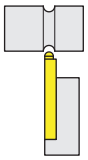
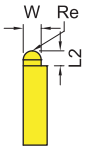
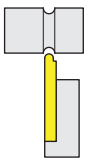
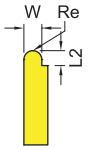
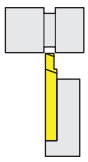
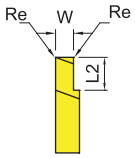
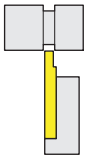
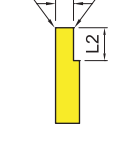
被切削材 Workpiece material						
	Steel 鋼	P	●	●	●	
	Stainless steel 不銹鋼	M	●	●	●	
	Cast iron 鑄鐵	K	●	●	●	
	Non-ferrous metal 非鐵金屬	N				●

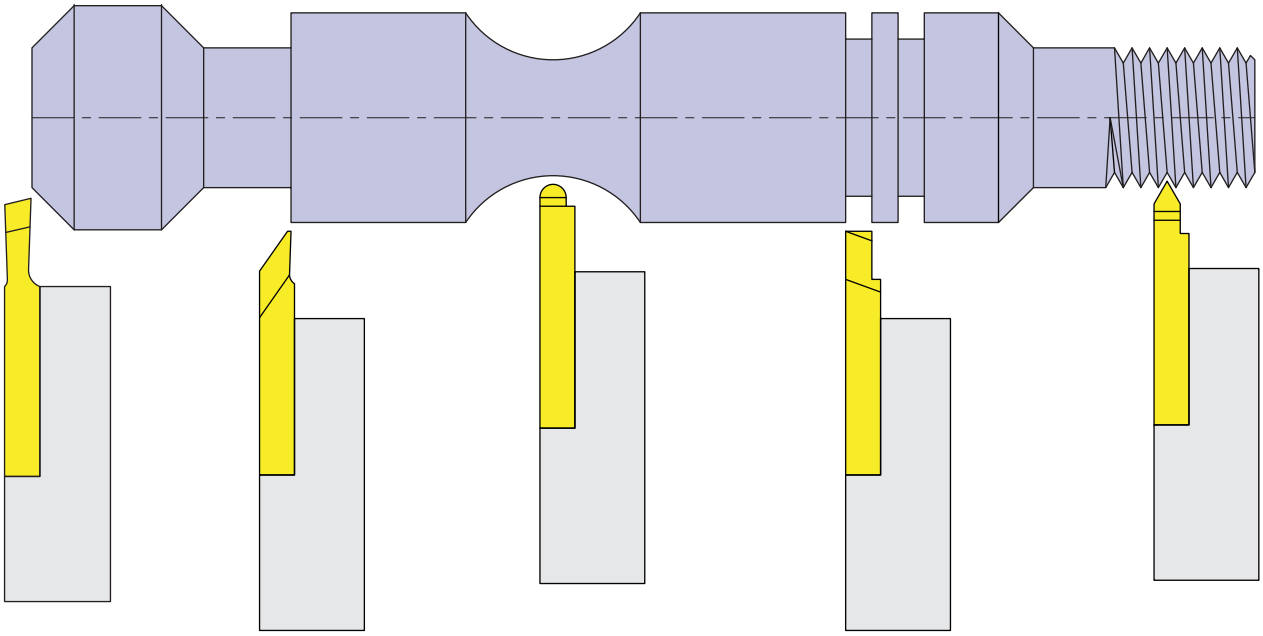
Insert Shape		Description	GRADE 材質				Dimensions,mm				
			Coated 塗層			Uncoated 無塗層					
			GT28	GN35	GA45	GX08	W	Re	L2	K°	Pitch (mm)
 後掃刀片 Back turning		**AKBR-32010**	●	●		●	2.0	0.1	5	35	--
		AKBR-32020	●	●		●	2.0	0.2	5	35	--
		AKBR-33010	●	●		●	3.0	0.1	5	35	--
		AKBR-33020	●	●	●		3.0	0.2	5	35	--
 切斷刀片 Parting off	 斷屑槽 breaker	**AKCR-3150-R85**	●	●	○	○	1.5	0.1	8.5	15	--
		AKCR-3200-R90	●	●		●	2.0	0.1	9.0	15	--
		AKCR-3250-R90	●	●			2.5	0.1	9.0	15	--
		AKCR-3300-R90	●	●			3.0	0.1	9.0	15	--
 切斷刀片 Parting off	 無斷屑槽 No breaker	**AKPR-3150-R85**	●			●	1.5	0.1	8.5	15	--
		AKPR-3200-R90	●			●	2.0	0.1	9.0	15	--
		AKPR-3250-R90	●	●		●	2.5	0.1	9.0	15	--
		AKPR-3300-R90	●	●		●	3.0	0.1	9.0	15	--
 牙刀片 Threading	 斷屑槽 breaker	**AKTR-3205505-N**	●				2.0	0.05	6	55	0.05-2
		AKTR-3305510-N	●		○	●	3.0	0.1	6	55	0.1-3
		AKTR-3206005-N	●	●		●	2.0	0.05	6	60	0.05-2
		AKTR-3306010-N	●		●	●	3.0	0.1	6	60	0.1-3
 牙刀片 Threading	 無斷屑槽 No breaker	**AKTR-3205505-NP**	●			●	2.0	0.05	6	55	0.05-2
		AKTR-3305510-NP	●		○	●	3.0	0.1	6	55	0.1-3
		AKTR-3206005-NP	●		●	●	2.0	0.05	6	60	0.05-2
		AKTR-3306010-NP	●	●	○	●	3.0	0.1	6	60	0.1-3

Insert Shape

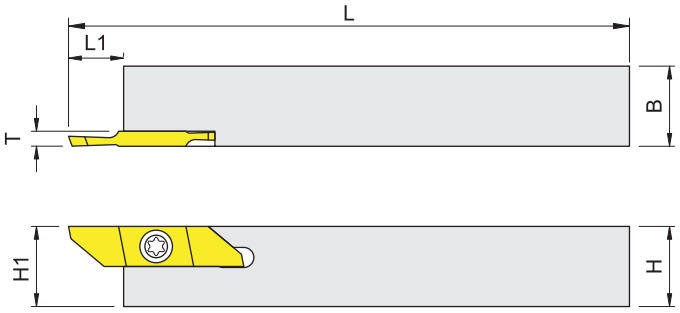


被切削材 Workpiece material						
	Steel 鋼	P	●	●	●	
	Stainless steel 不銹鋼	M	●	●	●	
	Cast iron 鑄鐵	K	●	●	●	
	Non-ferrous metal 非鐵金屬	N				●

Insert Shape		Description	GRADE 材質				Dimensions,mm			
			Coated 塗層			Uncoated 無塗層				
			GT28	GN35	GA45	GX08	W	Re	L2	K°
 圓槽刀片 Insert with radius	 斷屑槽 breaker	AKRR-3050R30	●		●	●	1.0	0.5	3.0	
		AKRR-3075R50	●		●	●	1.5	0.75	5.0	
		AKRR-3100R50	●		●	●	2.0	1.0	5.0	
		AKRR-3125R50	●		●	●	2.5	1.25	5.0	
		AKRR-3150R80	●		●	●	3.0	1.5	8.0	
 圓槽刀片 Insert with radius	 無斷屑槽 No breaker	AKRR-3050R30P	●		○	●	1.0	0.5	3.0	
		AKRR-3075R50P	●		○	●	1.5	0.75	5.0	
		AKRR-3100R50P	●		○	●	2.0	1.0	5.0	
		AKRR-3125R50P	●				2.5	1.25	5.0	
		AKRR-3150R80P	●		○	●	3.0	1.5	8.0	
		AKRR-3200R80P	●				4.0	2	8.0	
 插掃刀片 Grooving and turning	 斷屑槽 breaker	AKGR-3100-0130	●		●		1.0	0.1	3.0	
		AKGR-3100-0250	●			●	1.0	0.2	5.0	
		AKGR-3150-0130	●		●	●	1.5	0.1	3.0	
		AKGR-3150-0250	●		○	○	1.5	0.2	5.0	
		AKGR-3150-0270	●		●	○	1.5	0.2	7.0	
		AKGR-3200-0150	●			●	2.0	0.1	5.0	
		AKGR-3200-0250	●		●	○	2.0	0.2	5.0	
		AKGR-3200-0270	●	●	○	●	2.0	0.2	7.0	
		AKGR-3200-0290	●	●	○	●	2.0	0.2	9.0	
		AKGR-3250-0150	●		●	●	2.5	0.1	5.0	
		AKGR-3250-0250	●	●	○	●	2.5	0.2	5.0	
		AKGR-3250-0290	●		●	●	2.5	0.2	9.0	
		AKGR-3300-0150	●	●			3.0	0.1	5.0	
		AKGR-3300-0190	●		●	●	3.0	0.1	9.0	
		AKGR-3300-0250	●		●	●	3.0	0.2	5.0	
		AKGR-3300-0270	●				3.0	0.2	7.0	
		AKGR-3300-0290	●	●	○	○	3.0	0.2	9.0	
 插掃刀片 Grooving and turning	 無斷屑槽 No breaker	AKGR-3100-0230P	●		●	●	1.0	0.2	3.0	
		AKGR-3100-0250P	●		●	●	1.0	0.2	5.0	
		AKGR-3150-0250P	●		●	●	1.5	0.2	5.0	
		AKGR-3150-0270P	●			●	1.5	0.2	7.0	
		AKGR-3200-0250P	●		●	●	2.0	0.2	5.0	
		AKGR-3200-0270P	●			●	2.0	0.2	7.0	
		AKGR-3200-0290P	●		●	○	2.0	0.2	9.0	
		AKGR-3250-0250P	●			●	2.5	0.2	5.0	
		AKGR-3300-0250P	●			●	3.0	0.2	5.0	
		AKGR-3300-0270P	○			●	3.0	0.2	7.0	
		AKGR-3300-0290P	●		●	●	3.0	0.2	9.0	



SDKG

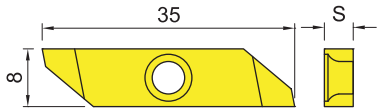


功能：開槽 Grooving and turning / 螺紋 Threading
切斷 Parting off / 後掃 Back turning

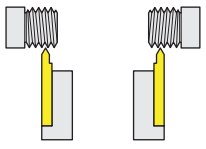
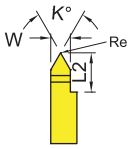
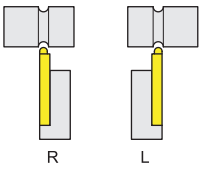
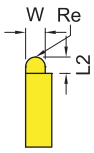
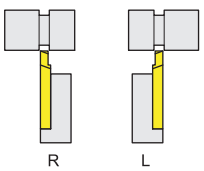
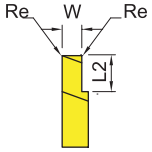
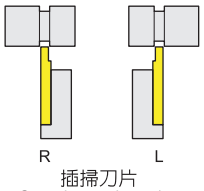
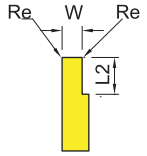
Right-hand shown

Item code	Dimensions,mm					Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	L1	T				
SDKGR/L-1010K-353	10	10	125	11	3	DK..3..	MS4009A	ETF15	0.10
SDKGR/L-1212M-353	12	12	150	11	3				0.17
SDKGR/L-1616M-353	16	16	150	11	3				0.30
SDKGR/L-2020K-353	20	20	125	11	3				0.42
SDKGR/L-2525M-353	25	25	150	11	3				0.74
SDKGR/L-1010K-354	10	10	125	11	4	DK..4..	MS4009A	ETF15	0.10
SDKGR/L-1212M-354	12	12	150	11	4		MS4011A		0.17
SDKGR/L-1616M-354	16	16	150	11	4				0.30
SDKGR/L-2020K-354	20	20	125	11	4				0.42
SDKGR/L-2525M-354	25	25	150	11	4				0.74

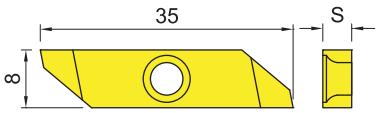
Insert Shape



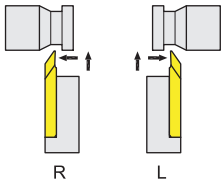
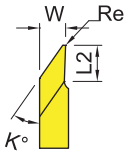
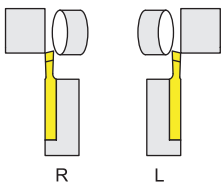
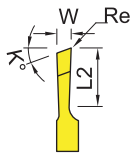
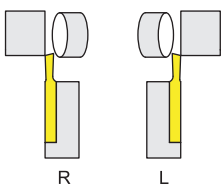
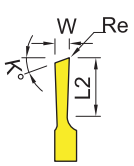
被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K	●	●	
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape		Description	GRADE 材質 Coated 塗層 GT29	GA49	Uncoated 無塗層 GX06	Dimensions,mm S	W	Re	L2	K°	Pitch (mm)
 R L 牙刀片 Threading	斷屑槽 breaker 	DKTR-4305510	●	○	●	4	3.0	0.1	6	55	0.1-3
		DKTR-4206005	●	○	●	4	2.0	0.05	6	60	0.05-2
		DKTR-4306010	●	○	●	4	3.0	0.1	6	60	0.1-3
		DKTL-4206005	●	○	●	4	2.0	0.05	6	60	0.05-2
		DKTL-4306010	●	○	●	4	3.0	0.1	6	60	0.1-3
		DKTL-4306020				4	3.0	0.2	6	60	0.2-3
 R L 圓槽刀片 Insert with radius	斷屑槽 breaker 	DKRR-4050R25	●	○	●	4	1.0	0.50	2.5		
		DKRR-4075R50	●	○	●		1.5	0.75	5.0		
		DKRR-4100R60	●	○	●		2.0	1.00	6.0		
		DKRR-4125R80	●	○	●		2.5	1.25	8.0		
		DKRR-4150R80	●	○	●		3.0	1.50	8.0		
		DKRR-4175RA0	●	○	●		3.5	1.75	10.0		
		DKRR-4200RA0	●	○	●		4.0	2.00	10.0		
		DKRL-4050R25	●	○	●	4	1.0	0.50	2.5		
		DKRL-4075R50	●	○	●		1.5	0.75	5.0		
		DKRL-4100R60	●	○	●		2.0	1.00	6.0		
		DKRL-4125R80	●	○	●		2.5	1.25	8.0		
		DKRL-4150R80	●	○	●		3.0	1.50	8.0		
		DKRL-4175RA0	●	○	●		3.5	1.75	10.0		
		DKRL-4200RA0	●	○	●		4.0	2.00	10.0		
 R L 插掃刀片 Grooving and turning	斷屑槽 breaker 	DKGR-4100-1025	●	●	●	4	1.0	0.1	2.5		
		DKGR-4150-1030	●	●	●		1.5	0.1	3.0		
		DKGR-4200-1040	●		●		2.0	0.1	4.0		
		DKGR-4250-1060	●		●		2.5	0.1	6.0		
		DKGR-4300-1080	●	●	●		3.0	0.1	8.0		
		DKGL-4100-1025	●	○	●	4	1.0	0.1	2.5		
		DKGL-4150-1030	●	○	●		1.5	0.1	3.0		
		DKGL-4200-1040	●	●	●		2.0	0.1	4.0		
		DKGL-4250-1060	●	○	●		2.5	0.1	6.0		
		DKGL-4300-1080		○	●		3.0	0.1	8.0		
 R L 插掃刀片 Grooving and turning	 無斷屑槽 No breaker	DKGR-4100-1025P	●	○		4	1.0	0.1	2.5		
		DKGR-4150-1030P	●	○			1.5	0.1	3.0		
		DKGR-4200-1040P	●	○			2.0	0.1	4.0		
		DKGR-4250-1060P	●	○			2.5	0.1	6.0		
		DKGR-4300-1080P	●		●		3.0	0.1	8.0		

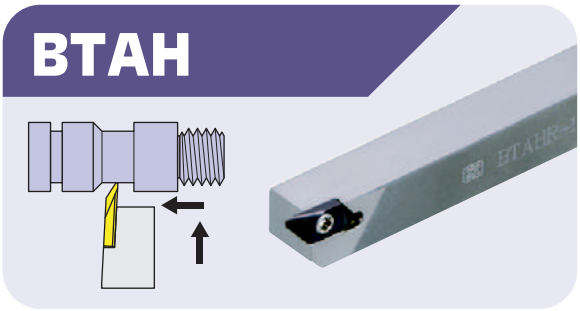
Insert Shape



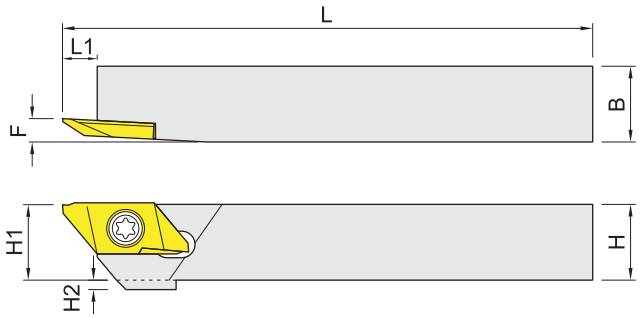
被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K	●	●	
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape		Description	GRADE 材質 Coated 塗層 GT29	GA49	Uncoated 無塗層 GX06	Dimensions,mm S	W	Re	L2	K°
 R L 後掃刀片 Back turning		DKBR-33005	●	○	●	3	3.0	0.05	8.5	35
		DKBR-33010	●	○	●			0.1		
		DKBR-33020	●	○	●			0.2		
		DKBR-43005	●	○	●	4	3.0	0.05	8.5	35
		DKBR-43010	●	○	●			0.1		
		DKBR-43020	●	○	●			0.2		
		DKBR-44005	●	○	●	4	4.0	0.05	8.5	35
		DKBR-44010	●	○	●			0.1		
		DKBR-44020	●	○	●			0.2		
		DKBL-33005	●	○	●	3	3.0	0.05	8.5	35
		DKBL-33010	●	○	●			0.1		
		DKBL-33020	●	○	●			0.2		
		DKBL-43005	●	○	●	4	3.0	0.05	8.5	35
		DKBL-43010	●	○	●			0.1		
		DKBL-43020	●	○	●			0.2		
		DKBL-44005	●	○	●	4	4.0	0.05	8.5	35
		DKBL-44010	●	○	●			0.1		
		DKBL-44020	●	○	●			0.2		
 R L 切斷刀片 Parting off	斷屑槽 breaker 	DKCR-3150R-1085	●	●	●	3	1.5	0.1	8.5	15
		DKCR-3200R-10A5	●	●	●		2.0		10.5	
		DKCR-3250R-10A5	●	●	●		2.5			
		DKCR-3300R-10A5	●	●	●		3.0			
		DKCL-3150L-1085	●	○	●	3	1.5	0.1	8.5	15
		DKCL-3200L-10A5	●	○	●		2.0		10.5	
		DKCL-3250L-10A5	●	○	●		2.5			
		DKCL-3300L-10A5	●	○	●		3.0			
 R L 切斷刀片 Parting off	無斷屑槽 No breaker 	DKPR-3150R-1085	●	○	●	3	1.5	0.1	8.5	15
		DKPR-3200R-10A5	●	○	●		2.0		10.5	
		DKPR-3250R-10A5	●	○	●		2.5			
		DKPR-3300R-10A5	●	○	●		3.0			
		DKPL-3150L-1085	●	○	●	3	1.5	0.1	8.5	15
		DKPL-3200L-10A5	●	○	●		2.0		10.5	
		DKPL-3250L-10A5	●	○	●		2.5			
		DKPL-3300L-10A5	●	○	●		3.0			

BTAH



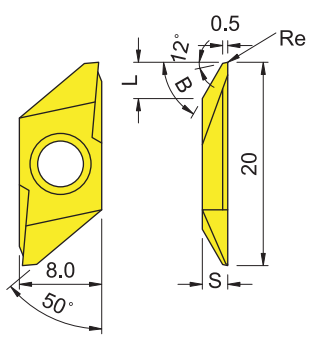
功能：後掃 Back turning



Right-hand shown

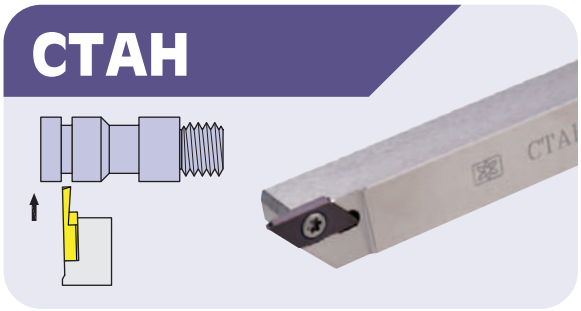
Item code	Dimensions,mm						Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	L1	F	H2				
BTAHR/L-1010K-50	10	10	125	5.5	3.5	2	BTAT5528..R/L-B BTAT6035..R/L-B	MS4009A	ETF15	0.10
BTAHR/L-1212K-50	12	12	125	5.5	3.5	--		MS4011A		0.14
BTAHR/L-1616K-50	16	16	125	5.5	3.5	--				0.25

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	

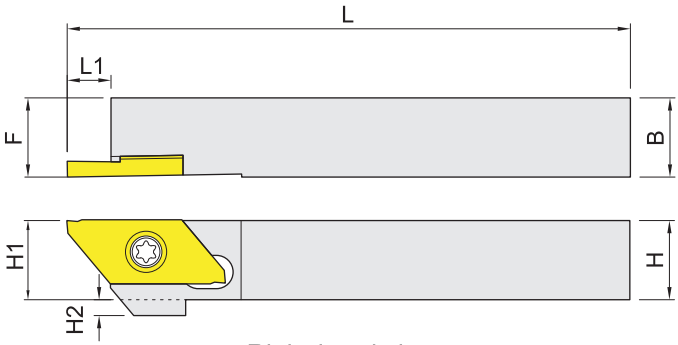
Insert Shape	Description	GRADE 材質 Coated 塗層 NW948	Dimensions,mm B	L	S	Re
	**BTAT552800R-B**		55°	2.8	2.5	0.0
	BTAT552801R-B	●	55°	2.8	2.5	0.1
	BTAT603500R-B		60°	3.5	2.5	0.0
	BTAT603501R-B	●	60°	3.5	2.5	0.1
	BTAT603501L-B	●	60°	3.5	2.5	0.1

Right hand insert shown

CTAH



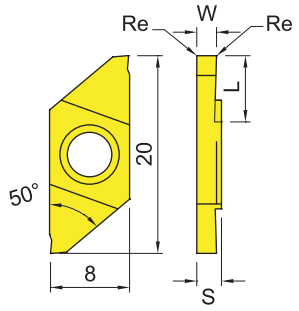
功能：開槽 Grooving and turning / 切斷 Parting off



Right-hand shown

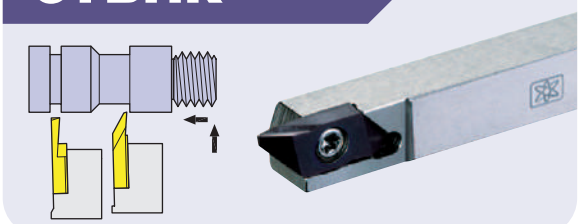
Item code	Dimensions,mm						Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	L1	F	H2				
CTAHR-1010K-120	10	10	125	5.5	10	2	CTAT...	MS4009A	ETF15	0.10
CTAHR-1212K-120	12	12	125	5.5	12	--		MS4011A		0.14
CTAHR/L-1616K-120	16	16	125	5.5	16	--				0.25
CTAHR/L-2020K-120	20	20	125	5.5	20	--				0.42

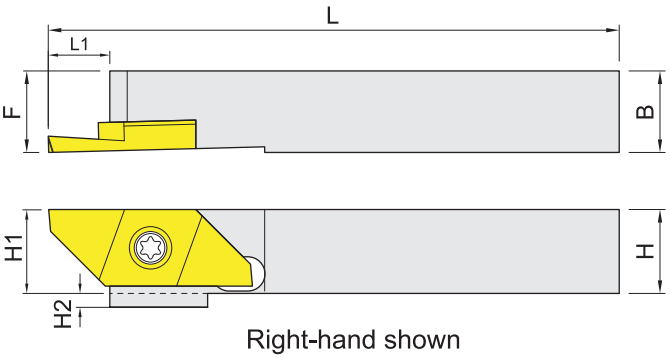
被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	

Insert Shape	Description	GRADE 材質 / Coated 塗層 / NW948	Dimensions,mm W	L	S	Re
	**CTAT1012V5RN-B**	●	1.0	6.7	2.5	0.05
	CTAT1512V5RN-B	●	1.5	6.7	2.5	0.05
	CTAT2012V5RN-B	●	2.0	6.7	2.5	0.05
	CTAT2012V5LN-B	●	2.0	6.7	2.5	0.05

Right hand insert shown

CTBHR



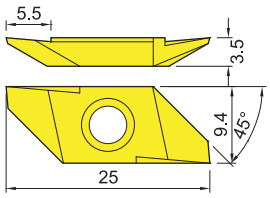


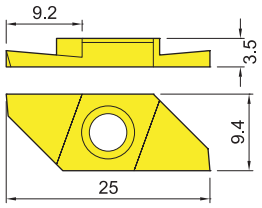
Right-hand shown

功能：開槽 Grooving and turning / 切斷 Parting off
後掃 Back turning

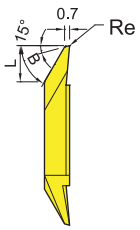
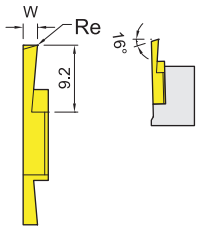
Item code	Dimensions,mm						Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	L1	F	H2				
CTBHR-1010K-160	10	10	125	7.5	10	2	BTBT.. CTBT..	MS4009A	ETF15	0.10
CTBHR-1212K-160	12	12	125	7.5	12	--		MS4011A		0.14
CTBHR-1616K-160	16	16	125	7.5	16	--				0.25
CTBHR-2020K-160	20	20	125	7.5	20	--				0.39

Insert Shape



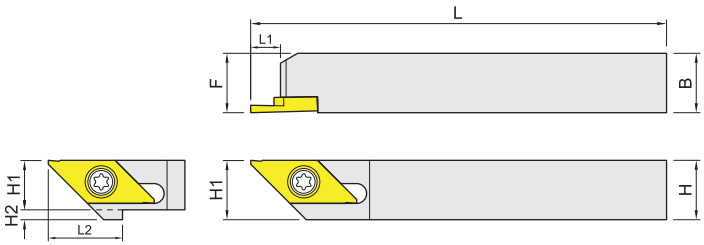


被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	

Insert Shape	Description	GRADE 材質 Coated 塗層 NW948	Dimensions,mm B	W	Re	L※
	**BTBT604500R-B**	●	60°	--	0.00	4.5
	BTBT604501R-B	●	60°	--	0.10	4.5
	**CTBT15160V5RR-B**	●	--	1.5	0.05	--
	CTBT20160V5RR-B	●	--	2.0	0.05	--

※L表示安裝在刀柄上時的數值(※L 4.5mm is the value when set the insert on the holder.)

KTKF

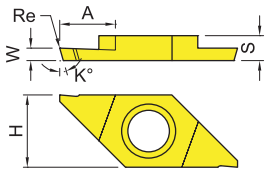
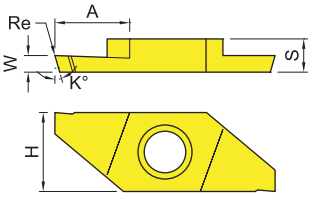


功能：切斷 Parting off

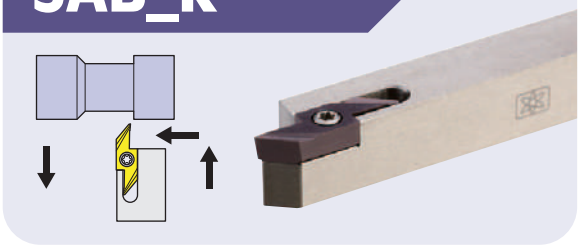
Right-hand shown

Item code	Dimensions,mm							Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	F	L1	L2	H2				
KTKFR/L-1010K-12A	10	10	125	10	6	15	2	TKF12R/L..	MS4509TRV	ETF10	0.10
KTKFR/L-1212M-12	12	12	150	12	6	--	--				0.17
KTKFR/L-1616K-12	16	16	125	16	6	--	--				0.25
KTKFR-1010K-16	10	10	125	10	8	29	2	TKF16R/L..	MS4509TRV	ETF10	0.10
KTKFR/L-1010K-16A	10	10	125	10	8	20	2				0.10
KTKFR/L-1212M-16	12	12	150	12	8	--	--				0.17
KTKFR/L-1616K-16	16	16	125	16	8	--	--	TKF16R/L..	MS4509TRV	ETF10	0.25
KTKFR/L-2020K-16	20	20	125	20	8	--	--				0.39
KTKFR/L-2525M-16	25	25	150	25	8	--	--				0.74

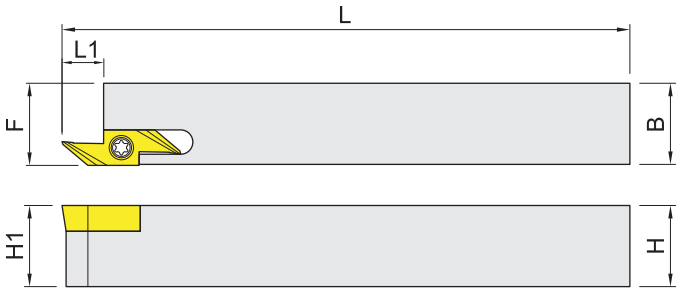
被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	
	Non-ferrous metal 非鐵金屬	N	

Insert Shape	Description	GRADE 材質 / Coated 塗層 / PR1025	Dimensions,mm					
			W	A	K	H	S	Re
 Right hand insert shown	**TKF12R050-S-16DR**		0.5	2.5	16	8.7	3	0.03
	TKF12R070-S-16DR	●	0.7	4	16	8.7	3	0.03
	TKF12R100-S-16DR	●	1.0	6	16	8.7	3	0.03
	TKF12R150-S-16DR	●	1.5	6	16	8.7	3	0.03
	TKF12L150-S-16DR	●	1.5	6	16	8.7	3	0.03
	TKF12R200-S-16DR		2.0	6	16	8.7	3	0.03
 Right hand insert shown	**TKF16R150-S-16DR**		1.5	8	16	9.5	4	0.05
	TKF16R200-S-16DR	●	2.0	8	16	9.5	4	0.05
	TKF16L200-S-16DR	●	2.0	8	16	9.5	4	0.05

SAB_R



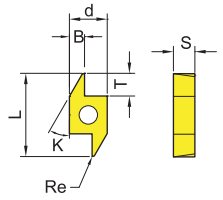
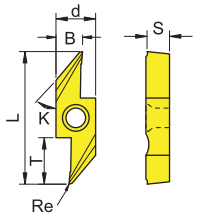
功能：後掃 Back turning



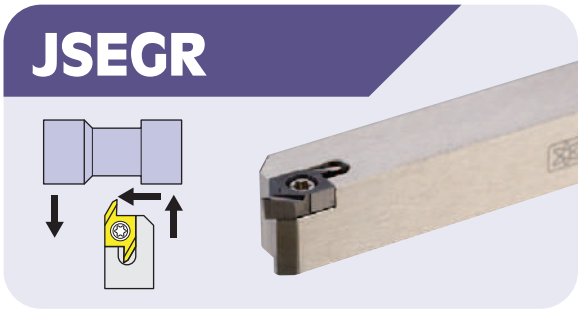
Right-hand shown

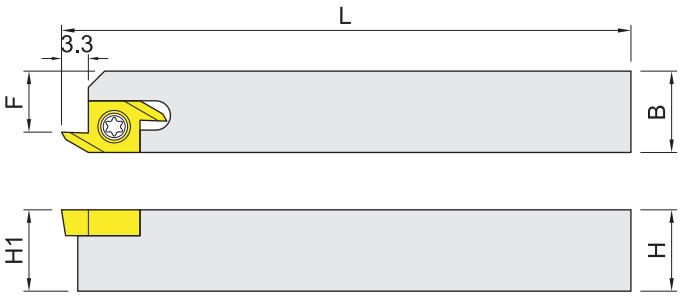
Item code	Dimensions,mm					Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	F	L1				
SABSR-1010K-40F	10	10	125	10.2	4.2	ABS15R..	MS3008A	ETF09	0.10
SABSR-1212K-40F	12	12	125	12.2	4.2				0.14
SABSR-1616K-40F	16	16	125	16.2	4.2				0.25
SABWR-0810K-40F	8	10	125	10.2	4.2	ABW15R..	MS3008B	ETF09	0.08
SABWR-1010K-40F	10	10	125	10.2	4.2				0.10
SABWR-1212K-40F	12	12	125	12.2	4.2				0.14
SABWR-1616K-40F	16	16	125	16.2	4.2				0.25
SABWR-2020K-40F	20	20	125	20.2	4.2				0.39
SABWR-2525M-40F	25	25	150	25.2	4.2				0.74
SABWR-1010K-50F	10	10	125	10.2	8.2	ABW23R..	MS3008A	ETF09	0.10
SABWR-1212K-50F	12	12	125	12.2	8.2				0.14
SABWR-1616K-50F	16	16	125	16.2	8.2				0.25
SABWR-2020K-50F	20	20	125	20.2	8.2				0.39
SABWR-2525M-50F	25	25	150	25.2	8.2				0.74

被切削材 Workpiece material					
Steel 鋼	P	●	●	
Stainless steel 不銹鋼	M	●	●	
Cast iron 鑄鐵	K			●
Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質			Dimensions,mm						
		Coated 塗層	Uncoated 無塗層								
		PR930	TC60M	KW10	B	T	K	L	d	S	Re
	**ABS15R4005**				2.8	4.2	30	15.4	7	3.97	0.05
	ABS15R4015		●		2.8	4.2	30	15.4	7	3.97	0.15
	**ABW15R4005**		●		4.7	4.2	45	15.4	7	3.97	0.05
	ABW15R4015				4.7	4.2	45	15.4	7	3.97	0.15
	ABW23R5005		●		4.7	8.2	40	23.4	7	3.97	0.05
	ABW23R5015	●		●	4.7	8.2	40	23.4	7	3.97	0.15

JSEGR



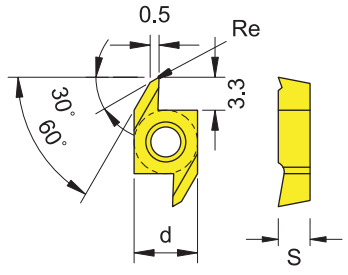


功能：後掃 Back turning

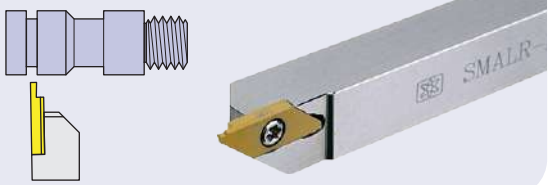
Right-hand shown

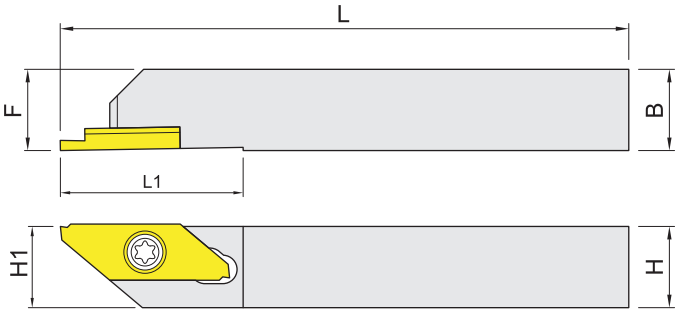
Item code	Dimensions,mm				Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	F				
JSEGR-1010H-10	10	10	100	7.5	J10ER..B..	MS2506A	ETF09	0.08
JSEGR-1010K-10	10	10	125	7.5				0.10
JSEGR-1212H-10	12	12	100	9.5				0.11
JSEGR-1212K-10	12	12	125	9.5				0.14

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description	GRADE 材質		Dimensions,mm		
		Coated 塗層	Uncoated 無塗層			
		NS530	TH10	d	S	Re
	**J10ER 005BF**			6.35	3.18	0.05
	J10ER 010BF	●		6.35	3.18	0.10
	J10ER 015BF			6.35	3.18	0.15

SMALR



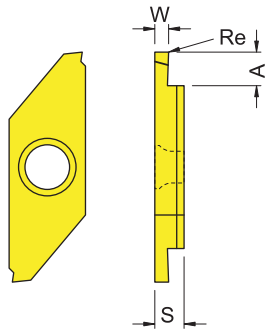


Right-hand shown

功能：開槽 Grooving and turning / 螺紋 Threading
切斷 Parting off / 後掃 Back turning

Item code	Dimensions,mm					Insert	Screw	Wrench	Weight Kg
	H (H1)	B	L	L1	F				
SMALR-1010K-3	10	10	125	27	10	MAGR3..	MS4009A	ETF15	0.10
SMALR-1212K-3	12	12	125	27	12		MS4011A		0.14
SMALR-1616K-3	16	16	125	27	16				0.25
SMALR-2020K-3	20	20	125	27	20				0.39

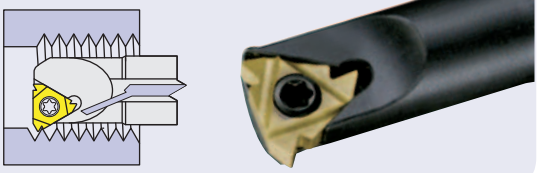
被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K		
Non-ferrous metal 非鐵金屬	N		●

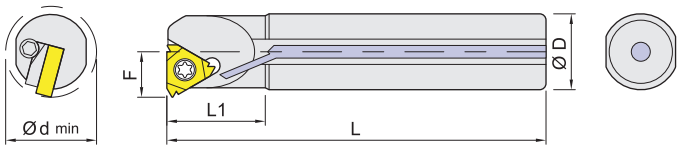
Insert Shape	Description	GRADE 材質		Dimensions,mm			
		Coated 塗層					
		1025	H13A	W	A	S	Re
	**MAGR3050**	○		0.50	1.3	3.18	0.05
	MAGR3075			0.75	2.5	3.18	0.05
	MAGR3100			1.00	2.7	3.18	0.05
	MAGR3125			1.25	2.7	3.18	0.05
	MAGR3150	○		1.50	3.7	3.18	0.05
	MAGR3175			1.75	3.7	3.18	0.05
	MAGR3200			2.00	3.7	3.18	0.05
	MAGR3250			2.50	3.7	3.18	0.05

英制規格

IMPERIAL

SNR/L





Coolant steel shank (Right-hand shown)
中心出水鋼柄 右向示意圖

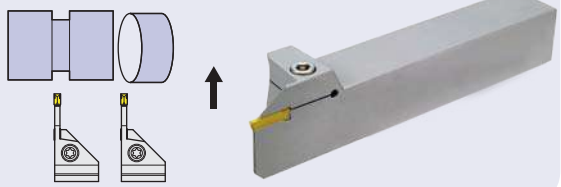
Steel shank Item code		Dimensions,inch					Insert		Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	L	L1	F	dmin	螺紋加工 Threading	槽加工 Grooving		
ISNR -0005K-1.5		0.3125	5	0.787	0.21	0.37	08NR	--	①	0.05
ISNR -0006K-2		0.375	5	0.866	0.25	0.47	11NR	11NR..G	②	0.08
ISNR -0008M-2		0.5	6	1	0.33	0.59				0.16
ISNR/L-0010Q-3		0.625	7	1.26	0.39	0.75	16NR/L	16NR..G	③	0.28
ISNR/L-0012R-3		0.75	8	1.56	0.46	0.9	16NR/L	16NR..G	④	0.45
ISNR/L-0016R-3	**ISNR/L-A0016R-3**	1	8	1.75	0.59	1.16				0.77

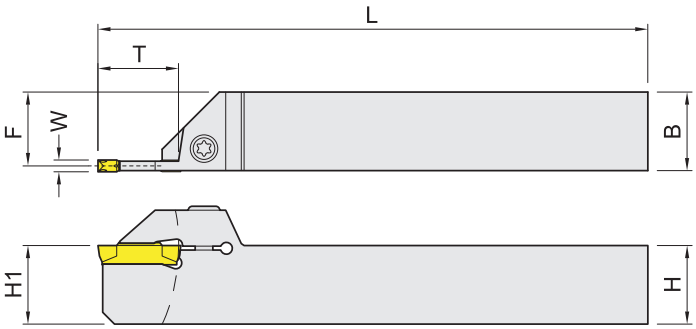
※裝插槽刀片時，加工深度及最小加工徑會因刀桿實際狀況而異(The application depth and minimum working diameter will be various according to situation of setting grooving insert.)

Insert	Spare parts	Screw	Wrench	Shim	Screw	Wrench
08NR/L	①	MS2206F	ETF07	--	--	--
11NR/L	②	MS2507G	ETF08	--	--	--
16NR/L	③	MS3509A	ETF15	--	--	--
16NR/L	④	MS3512A	ETF15	GXN/E16	HTM309	PL25

※ 牙刀片請參考 107-108 頁Please refer to page 107-108 for threading insert.

MGEH

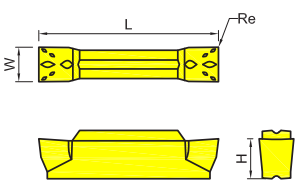




Right-hand shown

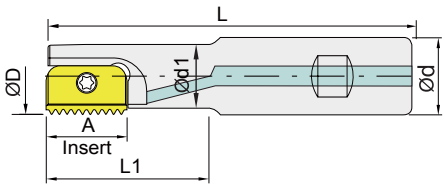
Item code	Dimensions,inch						Width W(mm)	Insert	Screw	Wrench	Weight Kg
	H(H1)	B	L	F	T	H2					
IMGEHL-16M-523T	1	1	6	0.919	0.925	--	5.0	MGMN500..	HTMT525	ETL25	0.72

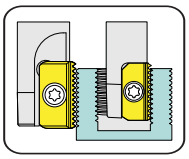
被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	
	Cast iron 鑄鐵	K	
	Non-ferrous metal 非鐵金屬	N	

Insert Shape	Description	GRADE 材質 / Coated 塗層 / NC3030	Dimensions,mm W	L	H	Re	K°
	**MGMN 500M**	●	5.0	26.0	5.8	0.8	--

MEMO

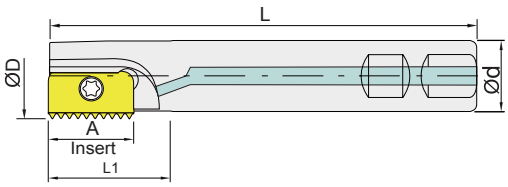
MTSR 銑牙刀
MILL THREAD TOOLHOLDERS (MTSR)





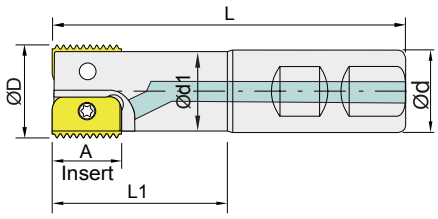
Single Insert Toolholders

Item code		Dimensions,mm						Teeth	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	A	D	d	d1	L	L1			
MTSR12-101-U20-085	MTSR12-101-W20-085	12	9.9	20	7.5	85	16	1	①	0.19
MTSR14-121-U20-075	MTSR14-121-W20-075	14	12	20	8.9	75	20	1	②	0.17
MTSR14-141-U20-085	MTSR14-141-W20-085	14	14.5	20	11	85	25	1	②	0.17
MTSR21-211-U20-094	MTSR21-211-W20-094	21	21	20	16.5	94	40	1	③	0.23
MTSR40-481-U40-153	MTSR40-481-W40-153	40	48	40	35	153	78	1	⑤	1.29



Long Shank Toolholders

Item code		Dimensions,mm					Teeth	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	A	D	d	L	L1			
MTSR21-251-U20-125	MTSR21-251-W20-125	21	25	20	125	28	1	③	0.31
MTSR30-311-U25-150	MTSR30-311-W25-150	30	31	25	150	42	1	④	0.58
MTSR30-381-U32-150	MTSR30-381-W32-150	30	38	32	150	43	1	④	0.94



Twin Insert Toolholders

Item code		Dimensions,mm						Teeth	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	A	D	d	d1	L	L1			
MTSR14-202-U20-093	MTSR14-202-W20-093	14	20	20	16	93	41	2	②	0.22
MTSR21-302-U25-108	MTSR21-302-W25-108	21	30	25	24	108	52	2	③	0.42
MTSR30-402-U32-130	MTSR30-402-W32-130	30	40	32	30	130	70	2	④	0.72
MTSR40-502-U40-153	MTSR40-502-W40-153	40	50	40	38	153	78	2	⑤	1.29

Spare parts	Insert	Screw	Wrench
①	12I	MS2506J	ETF08
②	14I/E	MS3008A	ETF09
③	21I/E	MS4011D	ETF15
④	30I/E	MS5015H	ETL25
⑤	40I/E	MS5022H	ETL25

14	E	12	UN	MT7
1	2	3	4	5

1 刀片邊長 Edge Length(mm)

A = 12
14
21
30
40

2 刀片類型 Type of insert

E	外螺紋
I	內螺紋
--	外＋內螺紋

3 牙距 Pitch

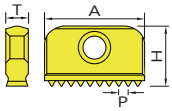
5 刀片材質 Carbide Grade

MT7	硬質合金

4 螺紋規範 Thread Standard

ISO	公制，ISO Metric
UN	美規，American UN
ACME	英制梯型螺紋 ACME
W	英制惠氏螺紋 Whitworth(BSW,BSF,BSP(G))
BSPT	英制錐管螺紋 Britsh Standard Pipe Thread
NPT	美規錐管螺紋 NPT

	Vc (m/min)	fz(mm/t)
P	100-280	0.10-0.22
M	130-190	0.10-0.18
K	70-80	0.16-0.22
N	115-460	0.10-0.24

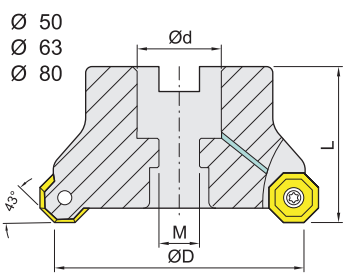


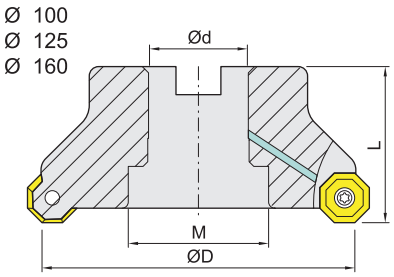
Steel 鋼	P	●
Stainless steel 不銹鋼	M	●
Cast iron 鑄鐵	K	●
Non-ferrous metal 非鐵金屬	N	●

Description	公制規格 Metric	Pitch (mm)	英制規格 Inch	Pitch (TPI)	T (mm)	H (mm)	GRADE 材質 Coated 塗層 MT7
12I	0.5 ISO 0.75 ISO 1.0 ISO 1.25 ISO 1.5 ISO	0.5 0.75 1.0 1.25 1.5	32 UN 28 UN 24 UN 20 UN 18 UN 16 UN	32 28 24 20 18 16	2.9	6.3	
14I/E	0.5 ISO 0.75 ISO 1.0 ISO 1.25 ISO 1.5 ISO 1.75 ISO 2.0 ISO 2.5 ISO	0.5 0.75 1.0 1.25 1.5 1.75 2.0 2.5	32 UN 28 UN 14I 27 UN 24 UN 20 UN 18 UN 16 UN 14 UN 12 UN 11 UN 10 UN	32 28 27 24 20 18 16 14 12 11 10	3.1	7.5	
21I/E	1.0 ISO 1.5 ISO 1.75 ISO 2.0 ISO 2.5 ISO 3.0 ISO 3.5 ISO	1.0 1.5 1.75 2.0 2.5 3.0 3.5	24 UN 20 UN 18 UN 16 UN 14 UN 12 UN 21E 11 UN 10 UN 21I 8 UN 21I 7 UN	24 20 18 16 14 12 11 10 8 7	4.7	12	
30I/E	1.5 ISO 2.0 ISO 3.0 ISO 3.5 ISO 4.0 ISO 4.5 ISO 5.0 ISO 5.5 ISO	1.5 2.0 3.0 3.5 4.0 4.5 5.0 5.5	20 UN 18 UN 16 UN 14 UN 12 UN 10 UN 8 UN 6 UN 30I 5 UN	20 18 16 14 12 10 8 6 5	5.5	16	
40I/E	1.5 ISO 2.0 ISO 3.0 ISO 3.5 ISO 4.0 ISO 4.5 ISO 5.0 ISO 5.5 ISO 6.0 ISO	1.5 2.0 3.0 3.5 4.0 4.5 5.0 5.5 6.0	16 UN 14 UN 12 UN 10 UN 8 UN 6 UN 40I 4.5 UN 40I 4 UN	16 14 12 10 8 6 4.5 4	6.3	20	

NFK 43° 面銑刀
43°FACE MILLING CUTTERS (NFK)

平面加工

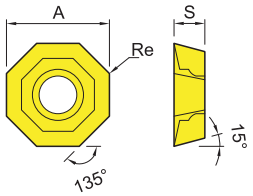




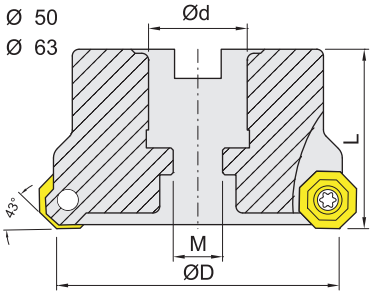
Metric

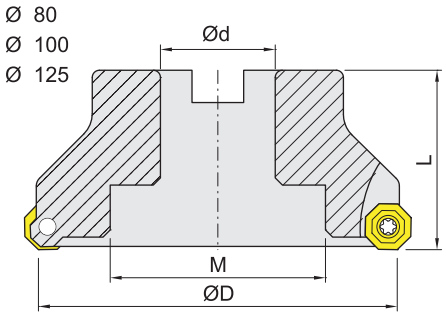
Item code / 水孔Coolant	Dimensions,mm D	d	L	M	Teeth	Insert	Screw	Wrench	Weight Kg
NFK436R-05004-A22.0T	50	22.0	40	11	4	OD..060508..	MS5011A	ETF20	0.41
NFK436R-06305-A22.0T	63	22.0	40	11	5				0.61
NFK436R-08006-A27.0T	80	27.0	50	13	6				1.18
NFK436R-10006-A32.0T	100	32.0	50	45	6				1.89
NFK436R-10007-A32.0T	100	32.0	50	45	7				1.89
NFK436R-12508-A40.0T	125	40.0	63	55	8				3.01
NFK436R-16010-A40.0T	160	40.0	63	55	10				4.99

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M		
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 / Coated 塗層 WKP35	M8340	Dimensions,mm A	S	Re
	**ODMT0605ZZND57**	●		15.875	5.56	0.8
	ODMT0605ZZN		●			

平面加工





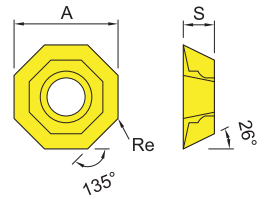
Metric

Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
TFM435R-05005-22.0	50	22.0	40	11	5	OFMT05T3 TN-ML	MS4011A	ETF15	0.39
TFM435R-06306-22.0	63	22.0	40	11	6				0.66
TFM435R-08007-27.0	80	27.0	50	38	7				1.01
TFM435R-10008-32.0	100	32.0	50	46	8				1.48
TFM435R-12509-40.0	125	40.0	63	60	9				2.71

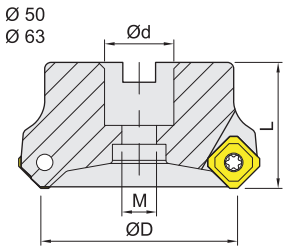
Inch

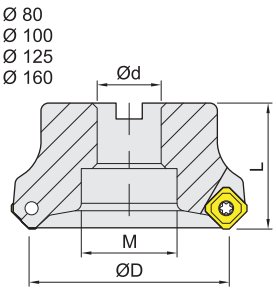
Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
TFM435R-06306-25.4	63	25.4	50	13	6	OFMT05T3 TN-ML	MS4011A	ETF15	0.80
TFM435R-08007-25.4	80	25.4	50	13	7				1.05
TFM435R-10008-31.75	100	31.75	50	46	8				1.57
TFM435R-12509-38.1	125	38.1	63	60	9				2.81
TFM435R-16011-50.8	160	50.8	63	80	11				4.41

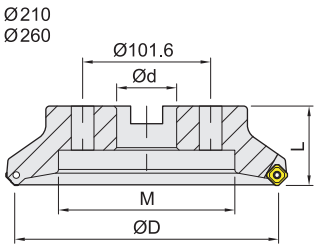
被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K			●
	Non-ferrous metal 非鐵金屬	N			●

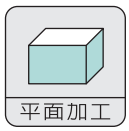
Insert Shape	Description	GRADE 材質			Dimensions,mm		
		Coated 塗層		Uncoated 無塗層			
		TT8020	LW731	K10	A	S	Re
	**OFMT05T3 TN-AL**			○	12.7	3.8	0.6
	OFMT05T3 TN-ML	●					
	OFKT05T3-DM		●				

ASX 45° 面銑刀
45°FACE MILLING CUTTERS (ASX)



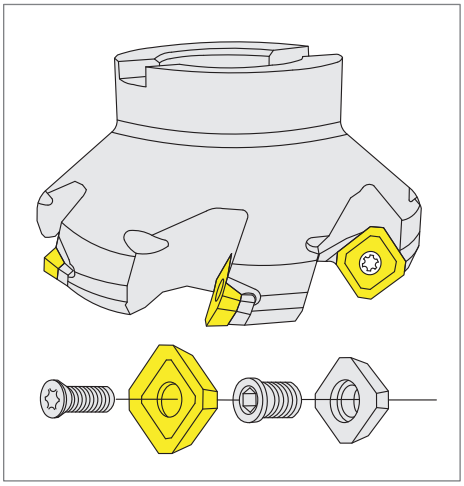






Metric

Item code		Dimensions,mm				Teeth		Insert	Weight Kg
Right hand	Left hand	D	d	L	M				
ASX445-050A03R-22.0	ASX445-050A03L-22.0	50	22.0	40	11	3	疏齒 Coarse	SE..13T3.. WE..13T3..	0.54
ASX445-063A04R-22.0	ASX445-063A04L-22.0	63	22.0	40	11	4			0.82
ASX445-080B04R-27.0	ASX445-080B04L-27.0	80	27.0	50	38	4			1.40
ASX445-100B05R-32.0	ASX445-100B05L-32.0	100	32.0	50	45	5			1.98
ASX445-125B06R-40.0	ASX445-125B06L-40.0	125	40.0	63	60	6			3.10
ASX445-160B07R-40.0	ASX445-160B07L-40.0	160	40.0	63	80	7			5.13
ASX445-050A04R-22.0	ASX445-050A04L-22.0	50	22.0	40	11	4	密齒 Normal	SE..13T3.. WE..13T3..	0.50
ASX445-063A05R-22.0	ASX445-063A05L-22.0	63	22.0	40	11	5			0.76
ASX445-080B06R-27.0	ASX445-080B06L-27.0	80	27.0	50	38	6			1.31
ASX445-100B07R-32.0	ASX445-100B07L-32.0	100	32.0	50	45	7			1.89
ASX445-125B08R-40.0	ASX445-125B08L-40.0	125	40.0	63	60	8			3.01
ASX445-160B10R-40.0	ASX445-160B10L-40.0	160	40.0	63	80	10			4.99
ASX445-050A05R-22.0	ASX445-050A05L-22.0	50	22.0	40	11	5	超密齒 Close	SE..13T3.. WE..13T3..	0.50
ASX445-063A06R-22.0	ASX445-063A06L-22.0	63	22.0	40	11	6			0.80
ASX445-080B08R-27.0	ASX445-080B08L-27.0	80	27.0	50	38	8			1.30
ASX445-100B10R-32.0	ASX445-100B10L-32.0	100	32.0	50	45	10			1.86
ASX445-125B12R-40.0	ASX445-125B12L-40.0	125	40.0	63	60	12			2.97
ASX445-160B16R-40.0	ASX445-160B16L-40.0	160	40.0	63	80	16			4.88

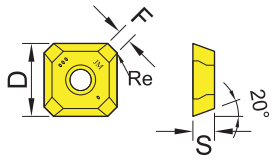
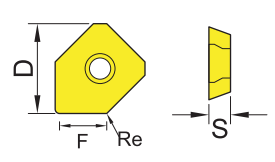


Shim	Screw	Wrench	Screw	Wrench
SSS445N	MDS05035S	PL35	MS3512B	ETF15

Inch

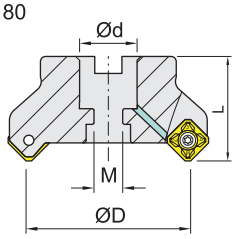
Item code		Dimensions,mm				Teeth		Insert	Weight Kg
Right hand	Left hand	D	d	L	M				
ASX445-R05003C-25.4	ASX445-L05003C-25.4	50	25.4	50	13	3	疏齒 Coarse	SE..13T3.. WE..13T3..	0.64
ASX445-R06304C-25.4	ASX445-L06304C-25.4	63	25.4	50	13	4			0.99
ASX445-R08004C-25.4	ASX445-L08004C-25.4	80	25.4	50	38	4			1.44
ASX445-R10005D-31.75	ASX445-L10005D-31.75	100	31.75	50	45	5			2.00
ASX445-R12506E-38.1	ASX445-L12506E-38.1	125	38.1	63	60	6			3.18
ASX445-R16007F-50.8	ASX445-L16007F-50.8	160	50.8	63	80	7			4.75
ASX445-R21008K-47.625	ASX445-L21008K-47.625	210	47.625	63	140	8			8.70
ASX445-R26010K-47.625	ASX445-L26010K-47.625	260	47.625	63	180	10			13.29
ASX445-R05004C-25.4	ASX445-L05004C-25.4	50	25.4	50	13	4	密齒 Normal	SE..13T3.. WE..13T3..	0.61
ASX445-R06305C-25.4	ASX445-L06305C-25.4	63	25.4	50	13	5			0.96
ASX445-R08006C-25.4	ASX445-L08006C-25.4	80	25.4	50	38	6			1.35
ASX445-R10007D-31.75	ASX445-L10007D-31.75	100	31.75	50	45	7			1.91
ASX445-R12508E-38.1	ASX445-L12508E-38.1	125	38.1	63	60	8			3.09
ASX445-R16010F-50.8	ASX445-L16010F-50.8	160	50.8	63	80	10			4.60
ASX445-R21012K-47.625	ASX445-L21012K-47.625	210	47.625	63	140	12			8.53
ASX445-R26014K-47.625	ASX445-L26014K-47.625	260	47.625	63	180	14			13.12
ASX445-R05005C-25.4	ASX445-L05005C-25.4	50	25.4	50	13	5	超密齒 Close	SE..13T3.. WE..13T3..	0.61
ASX445-R06306C-25.4	ASX445-L06306C-25.4	63	25.4	50	13	6			0.99
ASX445-R08008C-25.4	ASX445-L08008C-25.4	80	25.4	50	38	8			1.34
ASX445-R10010D-31.75	ASX445-L10010D-31.75	100	31.75	50	45	10			1.89
ASX445-R12512E-38.1	ASX445-L12512E-38.1	125	38.1	63	60	12			3.05
ASX445-R16016F-50.8	ASX445-L16016F-50.8	160	50.8	63	80	16			4.49

被切削材 Workpiece material							
	Steel 鋼	P	●	●	●		
	Stainless steel 不銹鋼	M		●	●		
	Cast iron 鑄鐵	K		●	●	●	●
	Non-ferrous metal 非鐵金屬	N				●	●

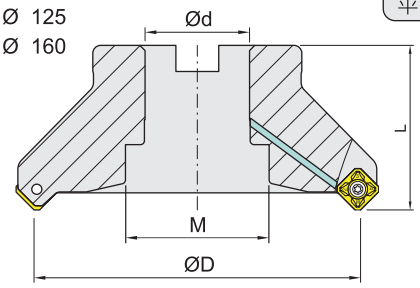
Insert Shape	Description	GRADE 材質					Dimensions,mm			
		Coated 塗層		Cermet 金屬陶瓷	Cemented Carbide 硬質合金					
		ACP200	NW948	NY942	H1	NM304	D	S	F	Re
	SEET13T3AGFN-L				○		13.4	3.97	2.5	--
	SEMT13T3AGSN-H	●					13.4	3.97	2.5	--
	SEGT13T3AGFN-JP					●	13.4	3.97	2.2	--
	SEMT13T3AGSN-JH		●				13.4	3.97	1.9	1.5
	WEEW13T3AGER8C						16.6	3.97	7.5	1.5
	WEEW13T3AGTR8C			●			16.6	3.97	7.5	1.5

SNF 45° 面銑刀
45°FACE MILLING CUTTERS (SNF)

Ø 50
Ø 63
Ø 80



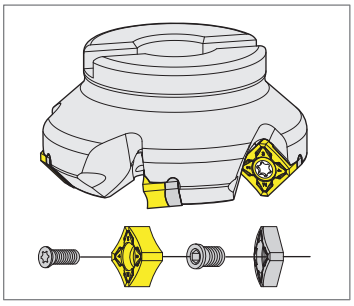
Ø 100
Ø 125
Ø 160



平面加工

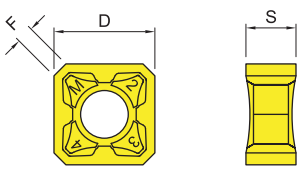
Metric

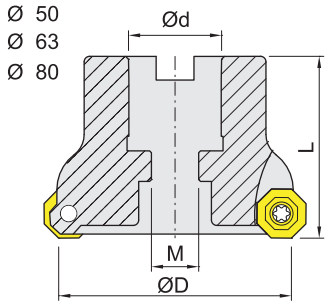
Item code 水孔Coolant	Dimensions,mm D	d	L	M	Teeth	Insert	Spare parts	Weight Kg
SNF445R-05004-A22.0T	50	22.0	40	11	4	SN..1205..	①	0.57
SNF445R-05005-A22.0T	50	22.0	40	11	5			0.55
SNF445R-06305-A22.0T	63	22.0	40	11	5			0.78
SNF445R-06306-A22.0T	63	22.0	40	11	6			0.75
SNF445R-08006-A27.0T	80	27.0	50	13	6			1.39
SNF445R-08007-A27.0T	80	27.0	50	13	7			1.37
SNF445R-08008-A27.0T	80	27.0	50	13	8			1.34
SNF445R-10007-A32.0T	100	32.0	50	45	7			1.76
SNF445R-10008-A32.0T	100	32.0	50	45	8			1.75
SNF445R-10009-A32.0T	100	32.0	50	45	9			1.72
SNF445R-12510-A40.0T	125	40.0	63	53	10			3.08
SNF445R-16012-A40.0T	160	40.0	63	55	12			4.55

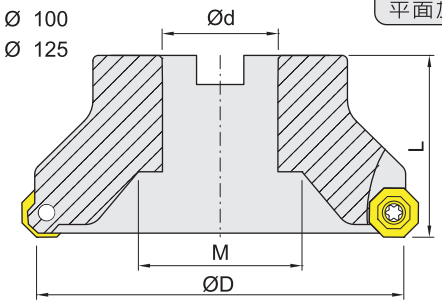


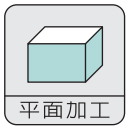
Spare parts	Shim	Screw	Wrench	Screw	Wrench
①	SNS445A	MDS06040	PL40	MS4014M	ETF15

被切削材 Workpiece material					
Steel 鋼	P	●		●
Stainless steel 不銹鋼	M	●		●
Cast iron 鑄鐵	K	●	●	●
Non-ferrous metal 非鐵金屬	N			

Insert Shape	Description	GRADE 材質 Coated 塗層 UW913	UV361	JW961	Dimensions,mm D	F	S
	**SNHX1205EMMNF**	●			12.7	1.5	6.35
	SNHX1205TXMNF		●				
	SNMX1205RGNF			●			







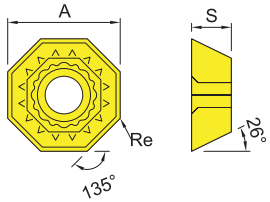
Metric

Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
MOF0545R-05004-22.0	50	22.0	40	11	4	OFMT050405ER-SH	MS4011A	ETF15	0.41
MOF0545R-06305-22.0	63	22.0	40	11	5				0.61
MOF0545R-08006-27.0	80	27.0	50	13	6				1.18
MOF0545R-10007-32.0	100	32.0	50	45	7				1.51
MOF0545R-12508-40.0	125	40.0	63	55	8				2.61

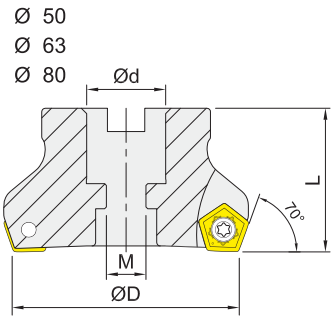
Inch

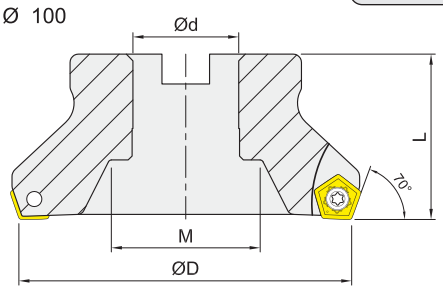
Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
MOF0545R-06305-25.4	63	25.4	50	13	5	OFMT050405ER-SH	MS4011A	ETF15	0.70
MOF0545R-08006-25.4	80	25.4	50	13	6				1.20
MOF0545R-10007-31.75	100	31.75	50	45	7				1.51
MOF0545R-12508-38.1	125	38.1	63	55	8				2.62
MOF0745R-10006-31.75	100	31.75	50	45	6	OFMT070405EN-SH	MS5011A	ETF20	1.51

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 / Coated 塗層		Dimensions,mm		
		PR830	PR1210	A	S	Re
	**OFMT050405ER-SH**	●		13.47	4.76	0.5
	OFMT070405EN-SH	●		17.98	4.87	0.5

EPN 70° 面銑刀
70°FACE MILLING CUTTERS (EPN)





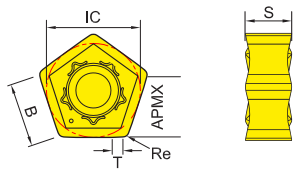
平面加工

Metric

	Item code	Dimensions,mm D	d	L	M	Teeth	Insert	Spare parts	Weight Kg
NEW	**EPN09-05004-22.0T**	50	22.0	40	11	4	PN..0905..	①	0.38
NEW	**EPN09-06304-22.0T**	63	22.0	40	11	4			0.59
NEW	**EPN09-06306-22.0T**	63	22.0	40	11	6			0.60
NEW	**EPN09-08007-27.0T**	80	27.0	50	13	7			1.21
NEW	**EPN09-10008-32.0T**	100	32.0	50	45	8			1.21

Insert	Spare parts	Screw	Wrench
PN..0905..	①	MS4011AT	ETF15

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	
	Non-ferrous metal 非鐵金屬	N	

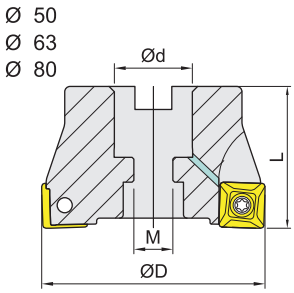
Insert Shape	Description	GRADE 材質 / Coated 塗層 / AH3135	Dimensions,mm IC	B	T	S	Re	APMX
	**PNMU0905GNEN-MJ**	●	12.2	8.9	1.4	6.0	0.8	6.4

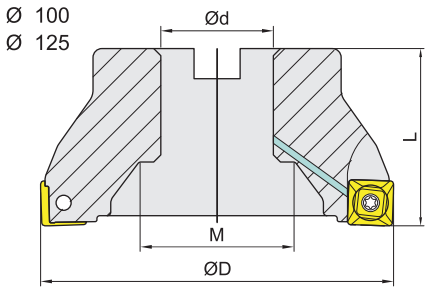
SHAN GIN

直角端銑刀

SHOULDER / CUTTING END MILLS

溝加工 | 側面加工 | 平面加工



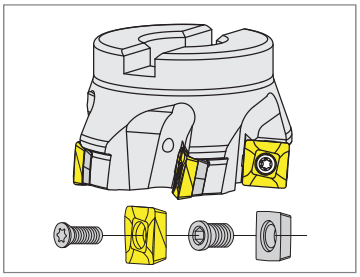


Metric

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
ASX400R-05004-22.0	**ASX400R-05004-A22.0**	50	22.0	40	11	4	SOMT12T3..	①	0.33
ASX400R-06305-22.0	**ASX400R-06305-A22.0**	63	22.0	40	11	5			0.55
ASX400R-06306-22.0		63	22.0	40	11	6			0.55
ASX400R-08006-27.0	**ASX400R-08006-A27.0**	80	27.0	50	13	6			1.12
ASX400R-08008-27.0		80	27.0	50	13	8			1.12

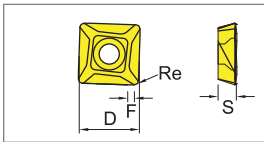
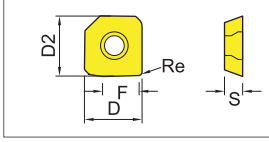
Inch

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
ASX400R-06305-25.4		63	25.4	50	13	5	SOMT12T3..	①	0.55
ASX400R-08006-25.4		80	25.4	50	13	6			1.35
ASX400R-10007-31.75		100	31.75	50	43	7			1.48
ASX400R-12508-38.1		125	38.1	63	55	8			2.70

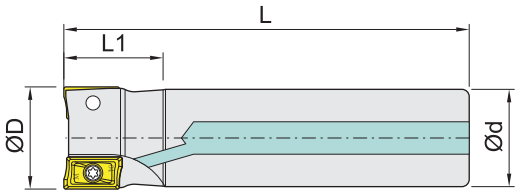


Spare parts	Shim	Screw	Wrench	Screw	Wrench
①	SSS490N	MDS05035S	PL35	MS3512B	ETF15

被切削材 Workpiece material					
Steel 鋼	P	●	●	
Stainless steel 不銹鋼	M	●	●	
Cast iron 鑄鐵	K	●	●	
Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質			Dimensions,mm				
		Coated 塗層	Cermet 金屬陶瓷	Cemented Carbide 硬質合金					
		NW948	NY942	NM304	D	D2	S	F	Re
	**SOMT12T308PEER-JH**	●			12.7	--	3.97	1.4	0.8
	SOMT12T308PEER-JM	●							
	SOGT12T308PEFR-JP			●					
	**WOEW12T308PETR8C**		●		12.5	13.2	3.97	8	0.8

APM 直角端銑刀
SHOULDER / CUTTING END MILLS (APM)

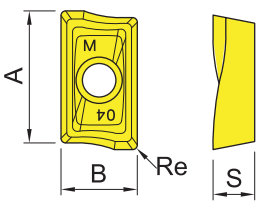


Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
APM121-S12-100		12	12	100	22	1	AOMT1236..	①	0.09
APM131-S12-130		13	12	130	22	1			0.13
APM152-S16-100		15	16	100	25	2			0.19
APM152-S16-150		15	16	150	25	2			0.24
APM162-S16-150	**APM162-A16-150**	16	16	150	28	2		②	0.24
APM162-S16-200		16	16	200	28	2			0.32
APM172-S16-150		17	16	150	25	2			0.24
APM172-S16-200		17	16	200	25	2			0.32
APM182-S20-150		18	20	150	25	2			0.37
APM182-S20-200		18	20	200	25	2			0.49
APM192-S20-150		19	20	150	25	2			0.37
APM192-S20-200		19	20	200	25	2			0.49
APM202-S20-150		20	20	150	30	2			0.37
APM202-S20-200		20	20	200	30	2			0.49
APM203-S20-150	**APM203-A20-150**	20	20	150	30	3			0.37
APM203-S20-200		20	20	200	30	3			0.49
APM212-S20-150		21	20	150	20	2			0.37
APM212-S20-200		21	20	200	20	2			0.49
APM213-S20-150		21	20	150	20	3			0.37
APM213-S20-200		21	20	200	20	3			0.49
APM222-S20-150	**APM222-A20-150**	22	20	150	30	2			0.37
APM222-S20-200		22	20	200	30	2			0.49
APM223-S20-150	**APM223-A20-150**	22	20	150	30	3			0.37
APM232-S25-150		23	25	150	30	2			0.58
APM232-S25-200		23	25	200	30	2			0.77
APM243-S25-150		24	25	150	35	3			0.58
APM243-S25-200		24	25	200	35	3			0.77
APM253-S25-150	**APM253-A25-150**	25	25	150	35	3			0.58
APM253-S25-200	**APM253-A25-200**	25	25	200	35	3			0.77
APM254-S25-150	**APM254-A25-150**	25	25	150	35	4			0.58
APM254-S25-200	**APM254-A25-200**	25	25	200	35	4			0.77
APM263-S25-150	**APM263-A25-150**	26	25	150	25	3			0.58
APM263-S25-200	**APM263-A25-200**	26	25	200	25	3			0.77
APM264-S25-150	**APM264-A25-150**	26	25	150	25	4			0.58

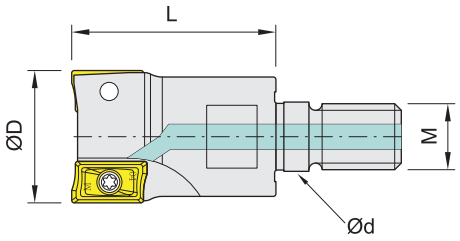
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
APM264-S25-200	**APM264-A25-200**	26	25	200	25	4	AOMT1236..	②	0.77
APM323-S32-150	**APM323-A32-150**	32	32	150	40	3			0.95
APM323-S32-200	**APM323-A32-200**	32	32	200	40	3			1.26
APM323-S32-250		32	32	250	40	3			1.58
APM324-S32-150	**APM324-A32-150**	32	32	150	40	4			0.95
APM324-S32-200	**APM324-A32-200**	32	32	200	40	4			1.26
APM324-S32-250		32	32	250	40	4			1.58
APM333-S32-150		33	32	150	32	3			0.95
APM333-S32-200		33	32	200	32	3			1.26
APM333-S32-250		33	32	250	32	3			1.58
APM334-S32-150	**APM334-A32-150**	33	32	150	32	4			0.95
APM334-S32-200	**APM334-A32-200**	33	32	200	32	4			1.26
APM334-S32-250		33	32	250	32	4			1.58
APM353-S32-150		35	32	150	32	3			0.95
APM353-S32-200		35	32	200	32	3			1.26
APM353-S32-250		35	32	250	32	3			1.58
APM354-S32-150		35	32	150	32	4			0.95
APM354-S32-200		35	32	200	32	4			1.26
APM354-S32-250		35	32	250	32	4			1.58
APM354-S32-300		35	32	300	32	4			1.89
APMB323-S32-150	**APMB323-A32-150**	32	32	150	45	3	AOMT1848..	③	0.88
APMB353-S32-150		35	32	150	45	3			0.91

Insert	Spare parts	Screw	Wrench
AOMT1236..	①	MS2505B	ETF09
AOMT1236..	②	MS2506B	ETF09
AOMT1848..	③	MS4009A	ETF15

被切削材 Workpiece material						
	Steel 鋼	P	●	●		
	Stainless steel 不銹鋼	M	●	●		
	Cast iron 鑄鐵	K	●		●	
	Non-ferrous metal 非鐵金屬	N				●

Insert Shape	Description	GRADE 材質				Dimensions,mm			
		Coated 塗層			Cemented Carbide 硬質合金				
		NW948	NW950	NV313	NM413	A	B	S	Re
	**AOGT123604PEFR-GM**				●	12	6.6	3.6	0.4
	AOMT123604PEER-M	●				12	6.6	3.6	0.4
	AOMT123608PEER-M	●	●			12	6.6	3.6	0.8
	AOMT184808PEER-M		●			18	9	4.8	0.8
	AOMT123608PEER-H			●		12	6.6	3.6	0.8
	AOMT184804PEER-H					18	9	4.8	0.4

APM 直角端銑刀
SHOULDER / CUTTING END MILLS (APM)

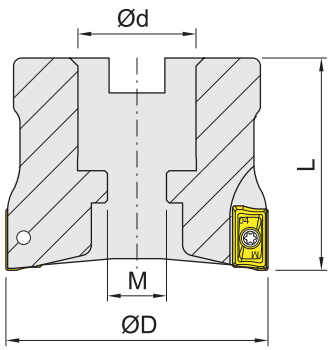


Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
APM162-MD14	**APM162-AMD14**	16	8.5	26	M8	2	AOMT1236..	①	0.05
APM172-MD14	**APM172-AMD14**	17	8.5	26	M8	2			0.05
APM202-MD18	**APM202-AMD18**	20	10.5	30	M10	2			0.07
APM203-MD18	**APM203-AMD18**	20	10.5	30	M10	3			0.07
APM212-MD18	**APM212-AMD18**	21	10.5	30	M10	2			0.07
APM213-MD18	**APM213-AMD18**	21	10.5	30	M10	3			0.07
APM223-MD18	**APM223-AMD18**	22	10.5	30	M10	3			0.07
APM253-MD23	**APM253-AMD23**	25	12.5	35	M12	3			0.12
APM254-MD23	**APM254-AMD23**	25	12.5	35	M12	4			0.12
APM263-MD23	**APM263-AMD23**	26	12.5	35	M12	3			0.12
APM264-MD23	**APM264-AMD23**	26	12.5	35	M12	4			0.12
APM323-MD29	**APM323-AMD29**	32	17	43	M16	3			0.25
APM324-MD29	**APM324-AMD29**	32	17	43	M16	4			0.24
APM333-MD29	**APM333-AMD29**	33	17	43	M16	3			0.25
APM334-MD29	**APM334-AMD29**	33	17	43	M16	4			0.25
APM353-MD29	**APM353-AMD29**	35	17	43	M16	3			0.26
APM354-MD29	**APM354-AMD29**	35	17	43	M16	4			0.26

Insert	Spare parts	Screw	Wrench
AOMT1236..	①	MS2506B	ETF09
AOMT1848..	②	MS4009A	ETF15
AOMT1848..	③	MS4011A	ETF15

溝加工 | 側面加工 | 平面加工

Ø 32
Ø 40
Ø 50
Ø 63
Ø 80



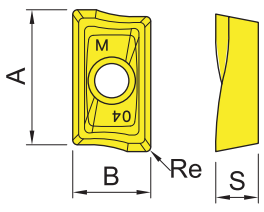
Metric

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
APM03205-16.0		32	16.0	40	9	5	AOMT1236..	①	0.16
APM04006-16.0		40	16.0	40	9	6			0.23
APM05004-22.0		50	22.0	40	11	4			0.41
APM05007-22.0		50	22.0	40	11	7			0.38
NEW **APM06308-22.0**		63	22.0	40	11	8			0.59
APMB04004-16.0		40	16.0	40	9	4	AOMT1848..	②	0.23
APMB05005-22.0		50	22.0	40	11	5			0.34
APMB06306-22.0		63	22.0	40	11	6	AOMT1848..	③	0.55

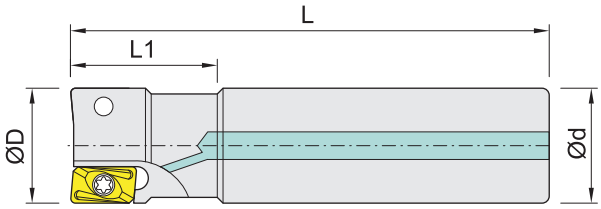
Inch

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
APM05007-25.4		50	25.4	50	13	7	AOMT1236..	①	0.47
APM06308-25.4		63	25.4	50	13	8			0.73
APM08009-25.4		80	25.4	50	13	9			1.14
APMB08007-25.4		80	25.4	50	13	7	AOMT1848..	③	1.29

被切削材 Workpiece material						
	Steel 鋼	P	●	●		
	Stainless steel 不銹鋼	M	●	●		
	Cast iron 鑄鐵	K	●		●	
	Non-ferrous metal非鐵金屬	N				●

Insert Shape	Description	GRADE 材質				Dimensions,mm			
		Coated 塗層			Cemented Carbide 硬質合金				
		NW948	NW950	NV313	NM413	A	B	S	Re
	**AOGT123604PEFR-GM**				●	12	6.6	3.6	0.4
	AOMT123604PEER-M	●				12	6.6	3.6	0.4
	AOMT123608PEER-M	●	●			12	6.6	3.6	0.8
	AOMT184808PEER-M		●			18	9	4.8	0.8
	AOMT123608PEER-H			●		12	6.6	3.6	0.8
	AOMT184804PEER-H					18	9	4.8	0.4

BAP 直角端銑刀
SHOULDER / CUTTING END MILLS (BAP)

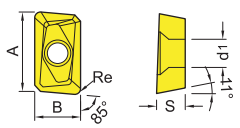
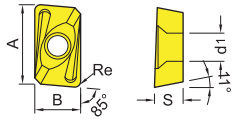


Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
BAP3-14.22-S16-100		14.2	16	100	20	2	APMT1135..	①	0.16
BAP3-15.5-S16-100		15.5	16	100	25	2			0.16
BAP3-162-S16-100	BAP3-162-A16-100	16	16	100	28	2			0.16
BAP3-162-S16-150	BAP3-162-A16-150	16	16	150	28	2			0.24
BAP3-162-S16-200		16	16	200	28	2			0.32
BAP3-172-S16-150	BAP3-172-A16-150	17	16	150	20	2			0.24
BAP3-172-S16-200		17	16	200	20	2			0.32
BAP3-182-S20-110		18	20	110	28	2			0.27
BAP3-182-S20-150		18	20	150	28	2			0.37
BAP3-202-S20-110	BAP3-202-A20-110	20	20	110	28	2			0.27
BAP3-202-S20-150	BAP3-202-A20-150	20	20	150	28	2			0.37
BAP3-202-S20-200	BAP3-202-A20-200	20	20	200	28	2			0.49
BAP3-203-S20-110	BAP3-203-A20-110	20	20	110	28	3			0.27
BAP3-203-S20-125		20	20	125	28	3			0.31
BAP3-203-S20-150	BAP3-203-A20-150	20	20	150	28	3			0.37
BAP3-203-S20-200	BAP3-203-A20-200	20	20	200	28	3			0.49
BAP3-212-S20-150	BAP3-212-A20-150	21	20	150	25	2			0.37
BAP3-212-S20-200	BAP3-212-A20-200	21	20	200	25	2			0.49
BAP3-213-S20-150	BAP3-213-A20-150	21	20	150	25	3			0.37
BAP3-213-S20-200	BAP3-213-A20-200	21	20	200	25	3			0.49
BAP3-21.3-S20-150		21.3	20	150	25	3			0.37
BAP3-222-S20-150		22	20	150	25	2			0.37
BAP3-222-S20-200		22	20	200	25	2			0.49
BAP3-223-S20-150		22	20	150	25	3			0.49
BAP3-243-S25-120		24	25	120	35	3			0.48
BAP3-243-S25-150		24	25	150	35	3			0.58
BAP3-253-S25-100		25	25	100	35	3			0.39
BAP3-253-S25-120	BAP3-253-A25-120	25	25	120	35	3			0.48
BAP3-253-S25-150	BAP3-253-A25-150	25	25	150	35	3			0.58
BAP3-253-S25-200		25	25	200	35	3			0.77
BAP3-254-S25-100		25	25	100	35	4			0.39
BAP3-254-S25-120	BAP3-254-A25-120	25	25	120	35	4			0.46
BAP3-254-S25-150	BAP3-254-A25-150	25	25	150	35	4			0.58
BAP3-254-S25-200		25	25	200	35	4			0.77
BAP3-263-S25-150	BAP3-263-A25-150	26	25	150	35	3			0.58
BAP3-263-S25-200		26	25	200	35	3			0.77
BAP3-264-S25-150	BAP3-264-A25-150	26	25	150	35	4			0.58
BAP3-264-S25-200		26	25	200	35	4			0.77
BAP3-323-S32-150	BAP3-323-A32-150	32	32	150	35	3			0.95
BAP3-323-S32-200	BAP3-323-A32-200	32	32	200	35	3			1.26
BAP3-324-S32-130	BAP3-324-A32-130	32	32	130	35	4			0.82
BAP3-324-S32-150	BAP3-324-A32-150	32	32	150	35	4			0.95
BAP3-324-S32-200	BAP3-324-A32-200	32	32	200	35	4			1.26

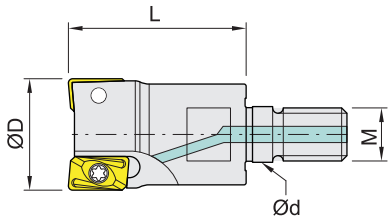
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
BAP3-325-S32-130	**BAP3-325-A32-130**	32	32	130	35	5	APMT1135..	①	0.82
BAP3-334-S32-150	**BAP3-334-A32-150**	33	32	150	35	4			1.00
BAP3-334-S32-200	**BAP3-334-A32-200**	33	32	200	35	4			1.34
BAP4-252-S25-120	**BAP4-252-A25-120**	25	25	120	40	2	APMT1604..	②	0.45
BAP4-252-S25-125		25	25	125	40	2			0.48
BAP4-252-S25-150		25	25	150	40	2			0.58
BAP4-252-S25-200		25	25	200	40	2			0.77
BAP4-262-S25-150		26	25	150	40	2			0.58
BAP4-262-S25-200		26	25	200	40	2			0.77
BAP4-292-S32-150		29	32	150	40	2			0.95
BAP4-303-S25-150		30	25	150	35	3			0.58
BAP4-322-S32-150		32	32	150	45	2			0.95
BAP4-322-S32-200		32	32	200	45	2			1.26
BAP4-322-S32-250		32	32	250	45	2			1.58
BAP4-323-S32-130	**BAP4-323-A32-130**	32	32	130	45	3			0.82
BAP4-323-S32-150		32	32	150	45	3			0.95
BAP4-323-S32-200		32	32	200	45	3			1.26
BAP4-323-S32-250		32	32	250	45	3			1.58
BAP4-332-S32-150		33	32	150	40	2	APMT1604..	③	0.95
BAP4-332-S32-200		33	32	200	40	2			1.26
BAP4-332-S32-250		33	32	250	40	2			1.58
BAP4-333-S32-150		33	32	150	40	3			0.95
BAP4-333-S32-200		33	32	200	40	3			1.26
BAP4-333-S32-250		33	32	250	40	3			1.58
BAP4-353-S32-150		35	32	150	35	3			0.95
BAP4-353-S32-200		35	32	200	35	3			1.26
BAP4-353-S32-250		35	32	250	35	3			1.58
BAP4-404-S32-150		40	32	150	40	4			0.95

Insert	Spare parts	Screw	Wrench
APMT1135....	①	MS2506E	ETF08
APMT1604....	②	MS4009A	ETF15
APMT1604....	③	MS4011A	ETF15

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N		●

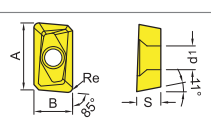
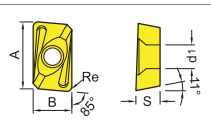
Insert Shape	Description	GRADE 材質		Dimensions,mm				
		Coated 塗層	Cemented Carbide 硬質合金					
		NW948	NM304	A	B	S	d1	Re
	**APMT1135PDER-M2**	●		11.0	6.350	3.50	2.85	0.8
	APMT1604PDER-M2	●		16.5	9.525	4.76	4.40	0.8
	**APMT1135PDER-H2**	●		11.0	6.350	3.50	2.85	0.8
	APMT1604PDER-H2	●		16.5	9.525	4.76	4.40	0.8
	APGT1135PDFR-G2		●	11.0	6.350	3.50	2.85	0.8
	APGT1604PDFR-G2		●	16.5	9.525	4.76	4.40	0.8

BAP 直角端銑刀
SHOULDER / CUTTING END MILLS (BAP)



Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
BAP3-111-MD10		11	5.5	21	M5	1	APMT1135....	①	0.03
BAP3-131-MD11		13	6.5	23	M6	1			0.03
BAP3-162-MD14	**BAP3-162-AMD14**	16	8.5	25	M8	2			0.05
BAP3-172-MD14	**BAP3-172-AMD14**	17	8.5	25	M8	2			0.05
BAP3-202-MD18	**BAP3-202-AMD18**	20	10.5	30	M10	2			0.07
BAP3-203-MD18	**BAP3-203-AMD18**	20	10.5	30	M10	3			0.07
BAP3-212-MD18	**BAP3-212-AMD18**	21	10.5	30	M10	2			0.07
BAP3-213-MD18	**BAP3-213-AMD18**	21	10.5	30	M10	3			0.07
BAP3-222-MD18	**BAP3-222-AMD18**	22	10.5	30	M10	2			0.09
BAP3-223-MD18	**BAP3-223-AMD18**	22	10.5	30	M10	3			0.09
BAP3-253-MD23	**BAP3-253-AMD23**	25	12.5	35	M12	3			0.12
BAP3-254-MD23	**BAP3-254-AMD23**	25	12.5	35	M12	4			0.11
BAP3-263-MD23	**BAP3-263-AMD23**	26	12.5	35	M12	3			0.12
BAP3-264-MD23	**BAP3-264-AMD23**	26	12.5	35	M12	4			0.12
BAP3-324-MD29	**BAP3-324-AMD29**	32	17	43	M16	4			0.24
BAP3-325-MD29	**BAP3-325-AMD29**	32	17	43	M16	5			0.23
BAP3-334-MD29	**BAP3-334-AMD29**	33	17	43	M16	4			0.25
BAP3-335-MD29	**BAP3-335-AMD29**	33	17	43	M16	5			0.24
BAP3-354-MD29	**BAP3-354-AMD29**	35	17	43	M16	4			0.27
BAP3-355-MD29	**BAP3-355-AMD29**	35	17	43	M16	5			0.27
BAP3-365-MD29	**BAP3-365-AMD29**	36	17	43	M16	5			0.28
BAP4-252-MD23	**BAP4-252-AMD23**	25	12.5	38	M12	2	APMT1604....	②	0.13
BAP4-262-MD23	**BAP4-262-AMD23**	26	12.5	38	M12	2			0.14
BAP4-322-MD29		32	17	43	M16	2			0.25
BAP4-323-MD29		32	17	43	M16	3			0.23
BAP4-332-MD29		33	17	43	M16	2	APMT1604....	③	0.26
BAP4-333-MD29	**BAP4-333-AMD29**	33	17	43	M16	3			0.24
BAP4-353-MD29		35	17	43	M16	3			0.26

被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K	●	●
Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description	GRADE 材質		Dimensions,mm				
		Coated 塗層	Cemented Carbide 硬質合金					
		NW948	NM304	A	B	S	d1	Re
	**APMT1135PDER-M2**	●		11.0	6.350	3.50	2.85	0.8
	APMT1604PDER-M2	●		16.5	9.525	4.76	4.40	0.8
	**APMT1135PDER-H2**	●		11.0	6.350	3.50	2.85	0.8
	APMT1604PDER-H2	●		16.5	9.525	4.76	4.40	0.8
	APGT1135PDFR-G2		●	11.0	6.350	3.50	2.85	0.8
	APGT1604PDFR-G2		●	16.5	9.525	4.76	4.40	0.8

Ø 40
Ø 50
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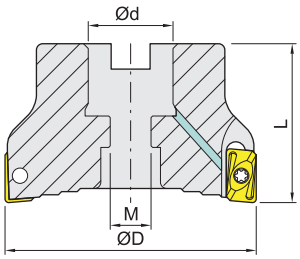
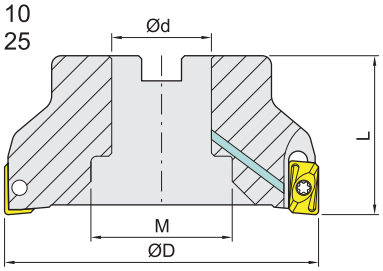
Ø 80



Ø 100
Ø 110
Ø 125



Metric

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
BAP3-405-16.0	**BAP3-405-A16.0**	40	16.0	40	9	5	APMT1135....	①	0.24
	BAP3-406-A16.0	40	16.0	40	9	6			0.24
BAP3-505-22.0	**BAP3-505-A22.0**	50	22.0	40	11	5			0.41
BAP3-507-22.0	**BAP3-507-A22.0**	50	22.0	40	11	7			0.40
NEW	**BAP3-636-A22.0**	63	22.0	40	11	6			0.63
BAP3-638-22.0	**BAP3-638-A22.0**	63	22.0	40	11	8			0.75
BAP3-809-27.0		80	27.0	50	13	9			1.15
NEW	**BAP3-8010-A27.0**	80	27.0	50	13	10			1.13
BAP4-404-16.0	**BAP4-404-A16.0**	40	16.0	40	9	4	APMT1604....	③	0.23
BAP4-504-22.0	**BAP4-504-A22.0**	50	22.0	50	11	4			0.54
BAP4-505-22.0	**BAP4-505-A22.0**	50	22.0	50	11	5			0.51
BAP4-635-22.0	**BAP4-635-A22.0**	63	22.0	50	11	5			0.77
BAP4-636-22.0	**BAP4-636-A22.0**	63	22.0	50	11	6			0.75
BAP4-806-27.0	**BAP4-806-A27.0**	80	27.0	50	13	6			1.18
BAP4-808-27.0	**BAP4-808-A27.0**	80	27.0	50	13	8			1.14
BAP4-1008-32.0	**BAP4-1008-A32.0**	100	32.0	50	45	8			1.65
BAP4-1259-40.0	**BAP4-1259-A40.0**	125	40.0	63	60	9			2.33

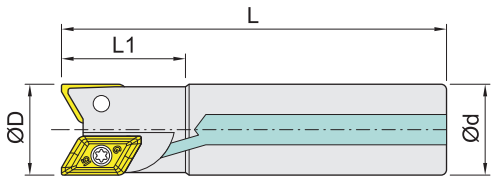
Inch

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
BAP3-505-25.4		50	25.4	50	13	5	APMT1135....	①	0.46
BAP3-638-25.4		63	25.4	50	13	8			0.75
BAP3-809-25.4		80	25.4	50	13	9			1.17
BAP4-504-25.4		50	25.4	50	13	4	APMT1604....	③	0.50
BAP4-605-25.4		60	25.4	50	13	5			0.68
BAP4-635-25.4		63	25.4	50	13	5			0.73
BAP4-664-25.4		66	25.4	50	13	4			0.80
BAP4-665-25.4		66	25.4	50	13	5			0.72
BAP4-806-25.4		80	25.4	50	13	6			1.21
BAP4-1008-31.75		100	31.75	50	45	8			1.65
BAP4-1108-31.75		110	31.75	50	45	8			2.00
BAP4-1259-38.1		125	38.1	50	60	9			2.33

Insert	Spare parts	Screw	Wrench
APMT1135....	①	MS2506E	ETF08
APMT1604....	②	MS4009A	ETF15
APMT1604....	③	MS4011A	ETF15

BXD 直角端銑刀
SHOULDER / CUTTING END MILLS (BXD)

FIG-1



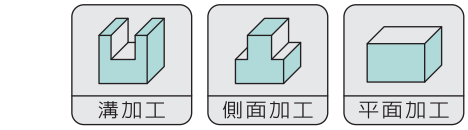


FIG-2

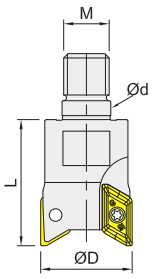
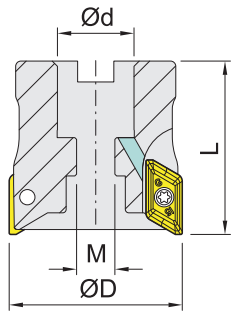


FIG-1 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
BXD15-252-S25-125		25	25	125	50	2	XDGT1550PD..	①	0.48
BXD15-252-S25-160	**BXD15-252-A25-160**			160					0.62
BXD15-252-S25-200	**BXD15-252-A25-200**			200					0.77
NEW **BXD15-252-S25-250**				250					0.96
BXD15-322-S32-150		32	32	150				②	0.95
BXD15-322-S32-200				200					1.26
BXD15-322-S32-250				250					1.58
BXD15-403-S32-200		40		200		3		③	1.27

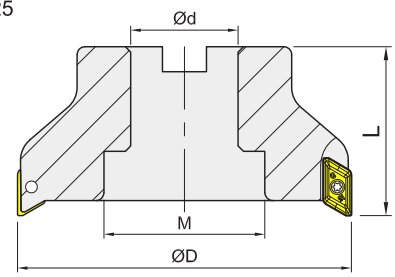
FIG-2 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
BXD15-322-MD29		32	17	44	M16	2	XDGT1550PD..	②	0.25
BXD15-352-MD29		35							0.33
BXD15-403-MD29		40				3		③	0.33

Insert	Spare parts	Screw	Wrench
XDGT1550PD...	①	MS4008A	ETF15
XDGT1550PD...	②	MS4009A	ETF15
XDGT1550PD...	③	MS4011A	ETF15

Ø 50
Ø 63
Ø 80



Ø 100
Ø 125



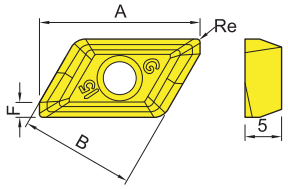
Metric

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
BXD15-504A-22.0	**BXD15-504A-A22.0**	50	22.0	50	11	4	XDGT1550PD..	③	0.42
BXD15-635A-22.0	**BXD15-635A-A22.0**	63				5			0.73
BXD15-10006A-32.0		100	32.0	63	17	6			1.65
BXD15-12507A-40.0		125	40.0	63	60	7			2.00

Inch

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
BXD15-504A-25.4		50	25.4	50	13	4	XDGT1550PD..	③	0.34
BXD15-635A-25.4		63				5			0.61
BXD15-805A-25.4		80				5			1.08
BXD15-10006A-31.75		100	31.75	63	45	6			1.65
BXD15-12507A-38.1		125	38.1	63	60	7			2.33

被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K	●	
Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description	GRADE 材質		Dimensions,mm			
		Coated 塗層	Cemented Carbide 硬質合金				
		NW948	NM413	A	B	F	Re
	**XDGT1550PDER-G04**	●		22	16	1.5	0.4
	XDGT1550PDER-G08	●		22	16	1.1	0.8
	XDGT1550PDER-G12			22	16	0.7	1.2
	XDGT1550PDER-G16			22	16	0.4	1.6
	XDGT1550PDER-G20			21.7	16	0.2	2.0
	XDGT1550PDER-G30	●		20	16	0.6	3.0
	XDGT1550PDFR-GL04		●	22	16	1.5	0.4

ASM 直角端銑刀
SHOULDER / CUTTING END MILLS (ASM)

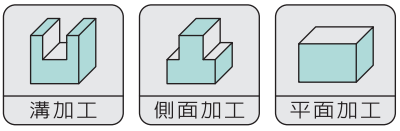


FIG-1

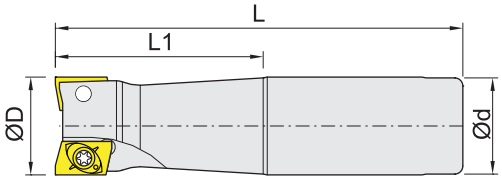


FIG-2

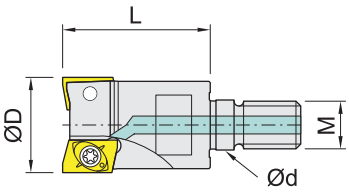


FIG-1 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
ASM07-081-S10-100		8	10	100	16	1	JDMT0702..	①	0.06
ASM07-091-S10-100		9	10	100	16	1		②	0.06
ASM07-102-S10-120		10	10	120	18	2			0.07
ASM07-112-S10-120		11	10	120	18	2			0.07
ASM07-122-S12-120		12	12	120	20	2			0.11
ASM07-123-S12-120		12	12	120	20	3			0.11
ASM07-133-S12-120		13	12	120	20	3			0.11
ASM07-143-S12-120		14	12	120	20	3			0.11
ASM07-164-S16-150		16	16	150	25	4			0.24
ASM07-174-S16-150		17	16	150	25	4			0.24
ASM07-205-S20-150		20	20	150	30	5		③	0.37
ASM07-205-S20-200		20	20	200	30	5			0.49
ASM07-255-S25-150		25	25	150	35	5			0.58
ASM07-255-S25-200		25	25	200	35	5			0.77

FIG-2 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
ASM07-102-MD10		10	5.5	20	M5	2	JDMT0702..	②	0.02
ASM07-112-MD10	**ASM07-112-AMD10**	11	5.5	20	M5	2			0.02
ASM07-123-MD11	**ASM07-123-AMD11**	12	6.5	20	M6	3			0.03
ASM07-132-MD11	**ASM07-132-AMD11**	13	6.5	20	M6	2			0.03
ASM07-133-MD11		13	6.5	20	M6	3			0.03
ASM07-143-MD11		14	6.5	20	M6	3			0.03
ASM07-164-MD14	**ASM07-164-AMD14**	16	8.5	25	M8	4			0.05
ASM07-174-MD14	**ASM07-174-AMD14**	17	8.5	25	M8	4			0.05
ASM07-205-MD18	**ASM07-205-AMD18**	20	10.5	30	M10	5		③	0.07
ASM07-214-MD18		21	10.5	30	M10	4			0.08
ASM07-215-MD18		21	10.5	30	M10	5			0.07
ASM07-255-MD23		25	12.5	30	M12	5			0.12

Insert	Spare parts	Screw	Wrench
JDMT0702..	①	MS1803A	ETF06
JDMT0702.. / EDMT070220R	②	MS1804A	ETF06
JDMT0702.. / EDMT070220R	③	MS1805A	ETF06

FIG-1

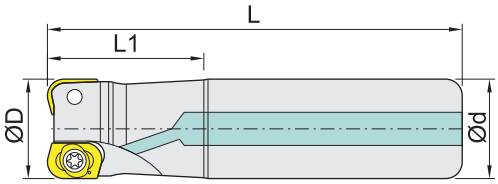


FIG-2

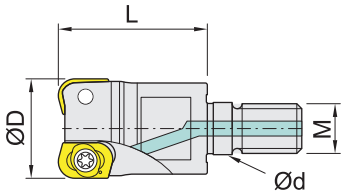
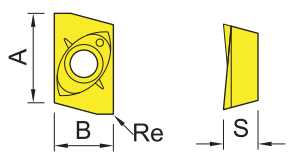
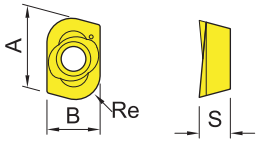


FIG-1 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
ASM07-102-S10-120R	**ASM07-102-A10-120R**	10	10	120	18	2	EDMT070220R	②	0.07
ASM07-112-S10-120R	**ASM07-112-A10-120R**	11	10	120	18	2			0.07
ASM07-123-S12-120R	**ASM07-123-A12-120R**	12	12	120	20	3			0.11
ASM07-133-S12-120R	**ASM07-133-A12-120R**	13	12	120	20	3			0.11
	ASM07-143-A12-120R	14	12	120	20	3			0.11
ASM07-164-S16-150R	**ASM07-164-A16-150R**	16	16	150	25	4			0.24
ASM07-174-S16-150R	**ASM07-174-A16-150R**	17	16	150	25	4			0.24

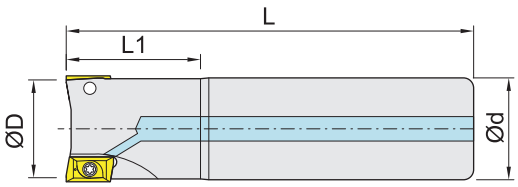
FIG-2 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
ASM07-102-MD10R	**ASM07-102-AMD10R**	10	5.5	20	M5	2	EDMT070220R	②	0.02
ASM07-112-MD10R	**ASM07-112-AMD10R**	11	5.5	20	M5	2			0.02
ASM07-123-MD11R	**ASM07-123-AMD11R**	12	6.5	20	M6	3			0.03
ASM07-132-MD11R	**ASM07-132-AMD11R**	13	6.5	20	M6	2			0.03
ASM07-164-MD14R	**ASM07-164-AMD14R**	16	8.5	25	M8	4			0.05
ASM07-174-MD14R	**ASM07-174-AMD14R**	17	8.5	25	M8	4			0.05
ASM07-205-MD18R	**ASM07-205-AMD18R**	20	10.5	30	M10	5		③	0.07
ASM07-255-MD23R	**ASM07-255-AMD23R**	25	12.5	28	M12	5			0.12

被切削材 Workpiece material						
	Steel 鋼	P	●	●	●	
	Stainless steel 不銹鋼	M	●	●	●	
	Cast iron 鑄鐵	K		●		
	Non-ferrous metal 非鐵金屬	N				●

Insert Shape	Description	GRADE 材質 Coated 塗層				Dimensions,mm			
		PTH30E	JP4020	JP4120	SD5010	A	B	S	Re
	**JDMT070202R**					6.4	4.3	2.45	0.2
	JDMT070204R	●			●	6.4	4.3	2.45	0.4
	JDMT070208R	●	●			6.4	4.3	2.45	0.8
	**EDMT070220R-T**		●			6.4	4.3	2.5	2.0
	EDMT070220R			○		6.4	4.3	2.5	2.0

AHU 直角端銑刀
SHOULDER / CUTTING END MILLS (AHU)

溝加工 側面加工 平面加工



Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
AHU10-162-S16-100	AHU10-162-A16-100	16	16	100	30	2	JDMT1003..R	①	0.16
AHU10-162-S16-150	AHU10-162-A16-150	16	16	150	30	2			0.24
AHU10-162-S16-200	AHU10-162-A16-200	16	16	200	30	2			0.32
AHU10-172-S16-150	AHU10-172-A16-150	17	16	150	25	2			0.24
AHU10-172-S16-200	AHU10-172-A16-200	17	16	200	25	2			0.32
AHU10-182-S16-150	AHU10-182-A16-150	18	16	150	25	2			0.24
AHU10-182-S16-200	AHU10-182-A16-200	18	16	200	25	2			0.32
AHU10-203-S20-110	AHU10-203-A20-110	20	20	110	30	3			0.27
AHU10-203-S20-150	AHU10-203-A20-150	20	20	150	30	3			0.37
AHU10-203-S20-200	AHU10-203-A20-200	20	20	200	30	3			0.49
AHU10-213-S20-150	AHU10-213-A20-150	21	20	150	30	3			0.37
AHU10-213-S20-200	AHU10-213-A20-200	21	20	200	30	3			0.49
AHU10-222-S20-150		22	20	150	30	2			0.39
AHU10-222-S20-200		22	20	200	30	2			0.51
AHU10-253-S25-125		25	25	125	35	3			0.49
AHU10-253-S25-150	AHU10-253-A25-150	25	25	150	35	3			0.58
AHU10-253-S25-200		25	25	200	35	3			0.77
AHU10-254-S25-125		25	25	125	35	4			0.48
AHU10-254-S25-150	AHU10-254-A25-150	25	25	150	35	4			0.58
AHU10-254-S25-200		25	25	200	35	4			0.77
AHU10-254-S25-250		25	25	250	35	4			0.96
AHU10-263-S25-150		26	25	150	30	3			0.58
AHU10-263-S25-200		26	25	200	30	3			0.77
AHU10-264-S25-150	AHU10-264-A25-150	26	25	150	30	4			0.58
AHU10-264-S25-200		26	25	200	30	4			0.77
AHU10-325-S32-150		32	32	150	40	5			0.95
AHU10-325-S32-200		32	32	200	40	5			1.26
AHU10-335-S32-200		33	32	200	35	5			1.26
AHU10-355-S32-250		35	32	250	40	5			1.61
AHU15-252-S25-125	AHU15-252-A25-125	25	25	125	40	2	JDMT1505..R	②	0.48
AHU15-252-S25-150		25	25	150	40	2			0.58
AHU15-252-S25-200		25	25	200	40	2			0.77
AHU15-252-S25-250		25	25	250	40	2			0.96
AHU15-262-S25-150		26	25	150	40	2			0.59
AHU15-262-S25-200		26	25	200	40	2			0.79
AHU15-302-S25-125		30	25	125	35	2			0.48
AHU15-302-S25-150		30	25	150	35	2			0.58
AHU15-302-S25-200		30	25	200	35	2			0.77
AHU15-323-S32-150	AHU15-323-A32-150	32	32	150	45	3			0.95
AHU15-323-S32-200		32	32	200	45	3			1.26
AHU15-323-S32-250		32	32	250	45	3			1.58
AHU15-323-S32-300		32	32	300	45	3			1.89
AHU15-333-S32-150		33	32	150	45	3			0.95
AHU15-333-S32-200		33	32	200	45	3			1.26
AHU15-333-S32-250		33	32	250	45	3			1.58
AHU15-333-S32-300		33	32	300	45	3			1.89
AHU15-353-S32-150		35	32	150	45	3			0.95
AHU15-353-S32-200		35	32	200	45	3			1.26
AHU15-353-S32-250		35	32	250	45	3			1.58
AHU15-353-S32-300		35	32	300	45	3			1.89

FIG-1

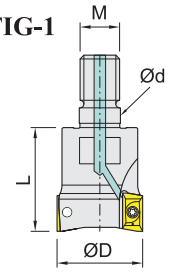


FIG-2

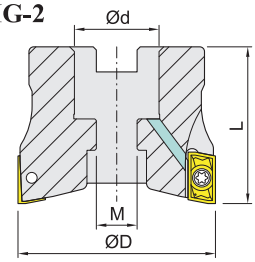


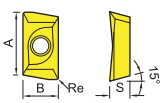
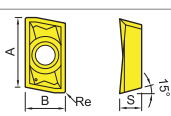
FIG-1 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
AHU10-162-MD14	**AHU10-162-AMD14**	16	8.5	25	M8	2	JDMT1003..R..	①	0.04
AHU10-172-MD14	**AHU10-172-AMD14**	17	8.5	25	M8	2			0.05
AHU10-203-MD18	**AHU10-203-AMD18**	20	10.5	30	M10	3			0.07
AHU10-213-MD18	**AHU10-213-AMD18**	21	10.5	30	M10	3			0.07
AHU10-253-MD23	**AHU10-253-AMD23**	25	12.5	32	M12	3			0.13
AHU10-254-MD23	**AHU10-254-AMD23**	25	12.5	32	M12	4			0.12
AHU10-263-MD23		26	12.5	32	M12	3			0.14
AHU10-264-MD23		26	12.5	32	M12	4			0.14
AHU10-325-MD29	**AHU10-325-AMD29**	32	17.0	43	M16	5			0.26
AHU10-355-MD29	**AHU10-355-AMD29**	35	17.0	43	M16	5			0.26
AHU15-252-MD23		25	12.5	35	M12	2	JDMT1505..R..	②	0.14
AHU15-262-MD23		26	12.5	35	M12	2			0.14
AHU15-323-MD29	**AHU15-323-AMD29**	32	17.0	43	M16	3			0.22
AHU15-332-MD29		33	17.0	43	M16	2			0.25
AHU15-353-MD29		35	17.0	43	M16	3			0.25
AHU15-404-MD29		40	17.0	43	M16	4			0.27

Metric

FIG-2 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
NEW	**AHU10-406-A16.0**	40	16.0	40	9	6	JDMT1003..R..	①	0.23
NEW **AHU15-404-16.0**	**AHU15-404-A16.0**	40	16.0	45	9	4	JDMT1505..R..	②	0.27
AHU15-505-22.0	**AHU15-505-A22.0**	50	22.0	40	11	5			0.36
AHU15-505-27.0		50	27.0	50	13	5			0.44
AHU15-635-27.0	**AHU15-635-A27.0**	63	27.0	50	13	5		③	0.74
NEW **AHU15-636-27.0**	**AHU15-636-A27.0**	63	27.0	50	13	6			0.71
AHU15-805-27.0	**AHU15-805-A27.0**	80	27.0	50	13	5			1.34
NEW **AHU15-807-27.0**	**AHU15-807-A27.0**	80	27.0	50	13	7			1.11

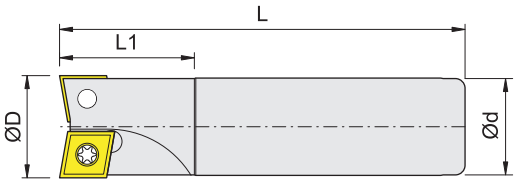
Insert	Spare parts	Screw	Wrench
JDMT1003..R	①	MS2506A	ETF09
JDMT1505..R	②	MS4009A	ETF15
JDMT1505..R	③	MS4011A	ETF15

被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K		
Non-ferrous metal 非鐵金屬	N		●

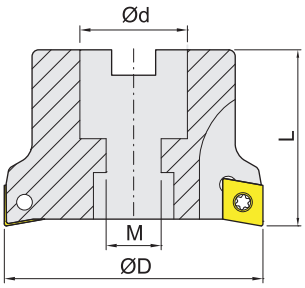
Insert Shape	Description	GRADE 材質 Coated 塗層 PTH30E	GRADE 材質 Uncoated 無塗層 WH10	Dimensions,mm A	B	S	Re
	**JDMT100308R**	●		10.8	6.1	3.5	0.8
	JDET100304R-FA		○	10.8	6.1	3.5	0.4
	**JDMT150508R**	●		15.8	9.1	5	0.8
	JDET150504R-FA		○	15.8	9.1	5	0.4

HCP 直角端銑刀
SHOULDER / CUTTING END MILLS (HCP)

溝加工 側面加工 平面加工



Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
HCP09-161-S16-150	16	16	150	30	1	CPMT090308	MS4008A	ETF15	0.24
HCP09-161-S16-200	16	16	200	30	1				0.32
HCP09-171-S16-150	17	16	150	20	1				0.24
HCP09-171-S16-200	17	16	200	20	1				0.32
HCP09-212-S20-150	21	20	150	30	2		MS4009A		0.37
HCP09-212-S20-200	21	20	200	30	2				0.49
HCP09-252-S25-150	25	25	150	40	2				0.58
HCP09-252-S25-200	25	25	200	40	2				0.77
HCP09-262-S25-150	26	25	150	30	2				0.58
HCP09-262-S25-200	26	25	200	30	2				0.77
HCP09-262-S25-250	26	25	250	30	2				0.96
HCP09-332-S32-150	33	32	150	40	2		MS4011A		0.95
HCP09-332-S32-200	33	32	200	40	2				1.26
HCP09-332-S32-250	33	32	250	40	2				1.58
HCP09-332-S32-300	33	32	300	40	2				1.89
HCP09-333-S32-150	33	32	150	40	3				0.95
HCP09-333-S32-200	33	32	200	40	3				1.26
HCP09-333-S32-250	33	32	250	40	3				1.58
HCP09-333-S32-300	33	32	300	40	3				1.89
HCP12-332-S32-150	33	32	150	40	2	CPMT120408	MS5011A	ETF20	0.95
HCP12-332-S32-200	33	32	200	40	2				1.26
HCP12-332-S32-250	33	32	250	40	2				1.58
HCP12-332-S32-300	33	32	300	40	2				1.89



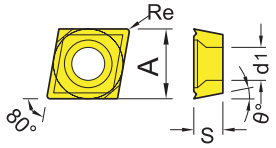
Metric

Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
HCP09-504-22.0	50	22.0	50	11	4	CPMT090308	MS4011A	ETF15	0.44
HCP12-504-22.0	50	22.0	50	11	4	CPMT120408	MS5011A	ETF20	0.46

Inch

Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
HCP09-504-25.4	50	25.4	50	13	4	CPMT090308	MS4011A	ETF15	0.43
HCP09-634-25.4	63	25.4	50	13	4				0.69
HCP12-504-25.4	50	25.4	50	13	4	CPMT120408	MS5011A	ETF20	0.43
HCP12-634-25.4	63	25.4	50	13	4				0.72
HCP12-664-25.4	66	25.4	50	13	4				0.78
HCP12-805-25.4	80	25.4	50	13	5				1.16

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質		Dimensions,mm				
		Coated 塗層	Uncoated 無塗層					
		CY250	WH10	A	S	Re	d1	θ°
	**CPMT090308**	●	●	9.525	3.18	0.8	4.4	11
	CPMT120408	●	●	12.7	4.76	0.8	5.5	11

ASPV 直角端銑刀
SHOULDER / CUTTING END MILLS (ASPV)

FIG-1

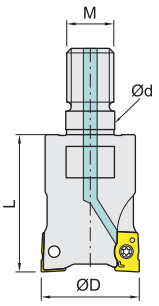
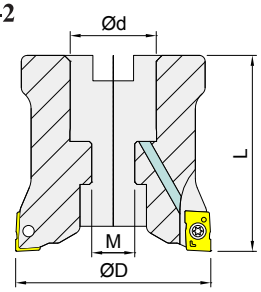


FIG-2



※ 立式抛光銑刀(Polish Mill Vertical)

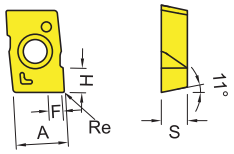
FIG-1 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
ASPV06-162-MD14	**ASPV06-162-AMD14**	16	8.5	25	M8	2	MPHW0603..	①	0.04
ASPV06-172-MD14	**ASPV06-172-AMD14**	17	8.5	25	M8	2			0.05
ASPV06-203-MD18	**ASPV06-203-AMD18**	20	10.5	30	M10	3			0.08
ASPV06-213-MD18	**ASPV06-213-AMD18**	21	10.5	30	M10	3			0.07
ASPV06-254-MD23	**ASPV06-254-AMD23**	25	12.5	35	M12	4			0.11
ASPV06-264-MD23	**ASPV06-264-AMD23**	26	12.5	35	M12	4			0.12
ASPV06-325-MD29	**ASPV06-325-AMD29**	32	17.0	40	M16	5			0.23
ASPV06-334-MD29	**ASPV06-334-AMD29**	33	17.0	40	M16	4			0.25
ASPV06-355-MD29	**ASPV06-355-AMD29**	35	17.0	40	M16	5			0.27
	ASPV06-426-AMD29	42	17.0	40	M16	6			0.28

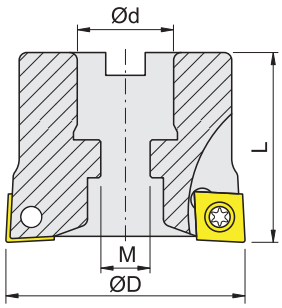
Metric

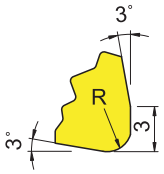
FIG-2 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
ASPV06-05007-22.0	**ASPV06-05007-A22.0**	50	22.0	50	11	7	MPHW0603..	①	0.49
ASPV06-06308-22.0	**ASPV06-06308-A22.0**	63	22.0	50	11	8			0.72

Insert	Spare parts	Screw	Wrench
MPHW0603..	①	MS2506E	ETF08

被切削材 Workpiece material				
Steel 鋼	P	●	●
Stainless steel 不銹鋼	M	●	●
Cast iron 鑄鐵	K	●	●
Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm				
		MZ1000	JP4005	A	S	H	F	Re
	**MPHW060302ZEL**	●		6.35	3.18	3	--	0.2
	MPHW060304ZEL		●					0.4
	MPHW060308ZEL		○					0.8
	MPHW060304ZEL-0.5		●				0.5	0.4
	MPHW060308ZEL-1.5		●				1.5	0.8





Magnified diagram of set insert

Metric

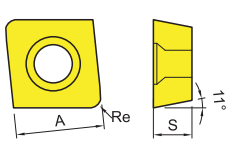
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
ASV503-22.0		50	22.0	50	11	3	MPHW120516	①	0.44
ASV504-22.0		50	22.0	50	11	4			0.44
ASV805-32.0		80	32.0	50	13	5			0.94

Inch

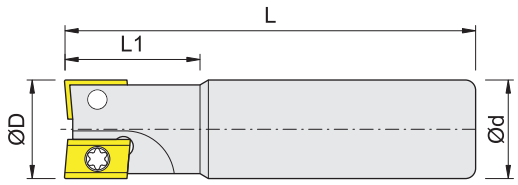
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
ASV634-25.4		63	25.4	50	13	4	MPHW120516	①	0.68
ASV805-31.75		80	31.75	50	13	5			0.95

Insert	Spare parts	Screw	Wrench
MPHW120516ZEL	①	MS5011A	ETF20

被切削材 Workpiece material					
	Steel 鋼	P	●		
	Stainless steel 不銹鋼	M	●		
	Cast iron 鑄鐵	K		●	
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質 Coated 塗層			Dimensions,mm				
		CY250V	CY100H	WH10	A	S	H	F	Re
	**MPHW120516ZEL**	●	●		12.7	5.56	--	--	1.6
	MPHW120516ZEL			○					
	MPMT120508ZEL	●	●						0.8

UEX 直角端銑刀
SHOULDER / CUTTING END MILLS (UEX)



Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
C12-SS121-150	12	12	150	25	1	APET120204	MS3506A	ETF15	0.13
C12-SS131-150	13	12	150	20	1				0.13
C16-SS161-150	16	16	150	30	1		MS3507A		0.24
C16-SS161-200	16	16	200	30	1				0.32
C16-SS171-150	17	16	150	30	1				0.24
C16-SS171-200	17	16	200	30	1				0.32
C16-SS172-150	17	16	150	30	2				0.24
C16-SS172-200	17	16	200	30	2				0.32
C20-SS202-150	20	20	150	30	2				0.37
C20-SS202-200	20	20	200	30	2				0.49
C20-SS212-150	21	20	150	30	2				0.37
C20-SS212-200	21	20	200	30	2				0.49
C25-SS252-150	25	25	150	40	2	ADET160308	MS4009A	ETF15	0.58
C25-SS252-200	25	25	200	40	2				0.77
C25-SS252-250	25	25	250	40	2				0.96
C25-SS262-150	26	25	150	30	2				0.58
C25-SS262-200	26	25	200	30	2				0.77
C25-SS262-250	26	25	250	30	2				0.96
C32-SS322-150	32	32	150	45	2				0.95
C32-SS322-200	32	32	200	45	2				1.26
C32-SS322-250	32	32	250	45	2				1.58
C32-SS322-300	32	32	300	45	2				1.89
C32-SS323-150	32	32	150	45	3				0.95
C32-SS323-200	32	32	200	45	3				1.26
C32-SS323-250	32	32	250	45	3				1.58
C32-SS323-300	32	32	300	45	3				1.89
C32-SS332-150	33	32	150	35	2				0.95
C32-SS332-200	33	32	200	35	2				1.26
C32-SS332-250	33	32	250	35	2				1.58
C32-SS332-300	33	32	300	35	2				1.89
C32-SS333-150	33	32	150	35	3				0.95
C32-SS333-200	33	32	200	35	3				1.26
C32-SS333-250	33	32	250	35	3				1.58
C32-SS333-300	33	32	300	35	3				1.89

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		●

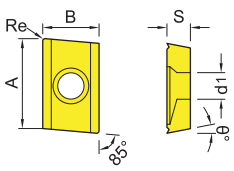
Insert Shape	Description	GRADE 材質		Dimensions,mm					
		Coated 塗層	Uncoated 無塗層						
		HC844	WH10	A	B	S	Re	d1	θ°
	**APET120204ER**		●	12.7	7.938	2.5	0.4	3.8	11
	APET120208ER		●	12.7	7.938	2.5	0.8	3.8	11
	ADET160304ER		●	15.875	9.525	3.18	0.4	4.4	15
	APNT120208SR	●		12.7	7.938	2.5	0.8	3.8	11
	ADNT160308SR	●		15.875	9.525	3.18	0.8	4.4	15

FIG-1

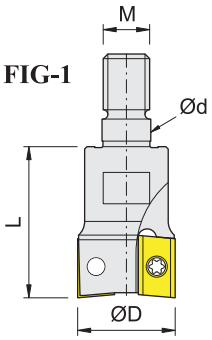


FIG-2

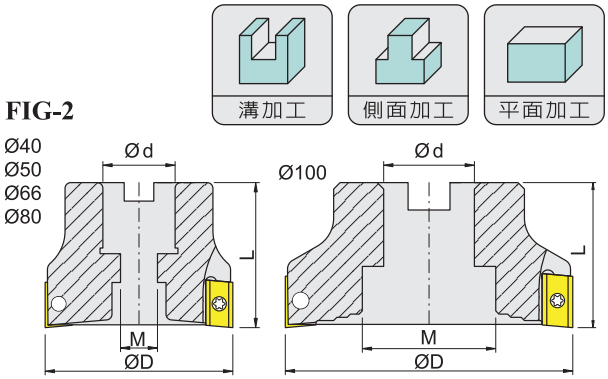


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
UEX161-MD14	16	8.5	28	M8	1	APET120204	MS3507A	ETF15	0.04
UEX171-MD14	17	8.5	28	M8	1				0.05
UEX172-MD14	17	8.5	28	M8	2				0.05
UEX182-MD14	18	8.5	28	M8	2				0.06
UEX192-MD14	19	8.5	28	M8	2				0.06
UEX202-MD18	20	10.5	30	M10	2				0.06
UEX212-MD18	21	10.5	30	M10	2				0.07
UEX222-MD18	22	10.5	30	M10	2				0.09
UEX253S-MD23	25	12.5	35	M12	3				0.12
UEX263S-MD23	26	12.5	35	M12	3				0.12
UEX324S-MD29	32	17	43	M16	4				0.24
UEX334S-MD29	33	17	43	M16	4				0.25
UEX252-MD23	25	12.5	35	M12	2	ADET160308	MS4009A	ETF15	0.12
UEX262-MD23	26	12.5	35	M12	2				0.12
UEX323-MD29	32	17	43	M16	3				0.24
UEX333-MD29	33	17	43	M16	3				0.25

Metric

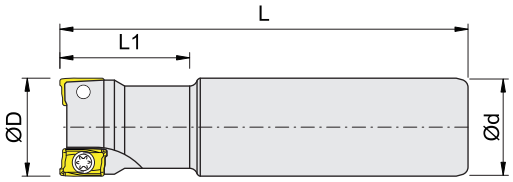
FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
UEX403-22.0	40	22.0	40	11	3	ADET160308	MS4011A	ETF15	0.25
UEX504-22.0	50	22.0	50	11	4				0.49

Inch

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
UEX504-25.4	50	25.4	50	13	4	ADET160308	MS4011A	ETF15	0.44
UEX665-25.4	66	25.4	50	13	5				0.79
UEX806-25.4	80	25.4	50	13	6				1.12
UEX1007-31.75	100	31.75	50	45	7				1.48

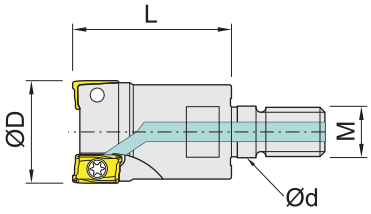
WEX 直角端銑刀
SHOULDER / CUTTING END MILLS (WEX)

溝加工 側面加工 平面加工



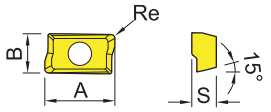
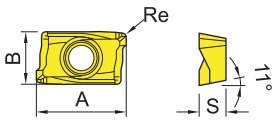
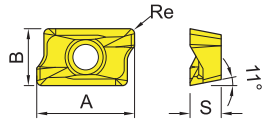
	Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	無水孔Non-coolant	水孔Coolant	D	d	L	L1				
	WEX06-123-S10-100		12	10	100	20	3	AXMT0602…	①	0.09
NEW	WEX06-123-S12-100	WEX06-123-A12-100		12						0.09
	WEX12-101-S16-100		10	16	100	15	1	AXMT1235…	②	0.16
	WEX12-111-S16-100		11							0.16
	WEX12-121-S16-100		12							0.16
	WEX12-162-S16-100		16	16	100	25	2		③	0.16
NEW	WEX12-162-S16-150	WEX12-162-A16-150			150					0.24
	WEX12-162-S16-200				200					0.32
	WEX12-172-S16-100		17		100					0.16
	WEX12-172-S16-150				150					0.24
	WEX12-172-S16-200				200					0.32
NEW	WEX12-202-S20-150	WEX12-202-A20-150	20	20	150	30	2			0.37
	WEX12-202-S20-200				200					0.49
	WEX12-203-S20-150		20	20	150	30	3			0.37
	WEX12-203-S20-200				200					0.49
	WEX12-213-S20-150		21		150					0.37
	WEX12-213-S20-200				200					0.49
	WEX12-223-S20-150		22		150					0.37
	WEX12-223-S20-200				200					0.49
	WEX12-253-S25-150		25	25	150	35	3			0.58
	WEX12-253-S25-200				200					0.77
	WEX12-254-S25-150		25	25	150	35	4			0.58
	WEX12-254-S25-200				200					0.77
	WEX12-263-S25-150		26	25	150	35	3			0.58
	WEX12-263-S25-200				200					0.77
	WEX12-263-S25-250				250					0.96
	WEX12-264-S25-150		26	25	150	35	4			0.58
	WEX12-264-S25-200				200					0.77
	WEX12-325-S32-150		32	32	150	40	5			0.95
	WEX12-325-S32-200				200					1.26
	WEX12-335-S32-150		33		150					0.95
	WEX12-335-S32-200				200					1.26
	WEX17-252-S25-150		25	25	150	35	2	AXMT1705…	④	0.58
	WEX17-252-S25-200				200					0.77
	WEX17-252-S25-250				250					0.96
	WEX17-262-S25-150		26	25	150	30	2			0.58
	WEX17-262-S25-200				200					0.77
	WEX17-262-S25-250				250					0.96
	WEX17-323-S32-150		32	32	150	40	3			0.95
	WEX17-323-S32-200				200					1.26
	WEX17-333-S32-150		33		150					0.95
	WEX17-333-S32-200				200					1.26
	WEX17-333-S32-250				250					1.58
	WEX17-353-S32-150		35		150					0.95
	WEX17-404-S32-200		40	32	200	45	4			1.29
	WEX17-404-S32-250				250					1.63

Insert	Spare parts	Screw	Wrench
AXMT0602…	①	MS1804A	ETF06
AXMT1235…	②	MS3005A	ETF09
AXMT1235…	③	MS3006A	ETF09
AXMT1705…	④	MS4009A	ETF15



Item code 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,mm D	d	L	M	Teeth	Insert	Spare parts	Weight Kg
WEX12-101-MD14		10	8.5	23	M8	1	AXMT1235...	②	0.02
WEX12-111-MD14		11							0.02
WEX12-121-MD14		12							0.02
WEX12-131-MD14		13							0.03
WEX12-141-MD14		14						③	0.03
WEX12-151-MD14		15							0.04
WEX12-162-MD14	WEX12-162-AMD14	16	8.5	25	M8	2			0.04
WEX12-172-MD14		17							0.04
WEX12-182-MD18	WEX12-182-AMD18	18	10.5	30	M10	2			0.06
WEX12-192-MD18		19				2			0.07
WEX12-193-MD18		19				3			0.07
WEX12-202-MD18	WEX12-202-AMD18	20				2			0.08
WEX12-203-MD18	WEX12-203-AMD18	20				3			0.08
WEX12-213-MD18		21				3			0.08
WEX12-223-MD18	WEX12-223-AMD18	22				3			0.09
NEW WEX12-253-MD23	WEX12-253-AMD23	25	12.5	35	M12	3			0.12
WEX12-254-MD23	WEX12-254-AMD23	25				4			0.14
WEX12-264-MD23	WEX12-264-AMD23	26				4			0.15
WEX12-325-MD29	WEX12-325-AMD29	32	17	40	M16	5			0.25
WEX12-335-MD29		33				5			0.25
WEX17-252-MD23		25	12.5	35	M12	2	AXMT1705...	④	0.12
WEX17-262-MD23		26	12.5	35	M12	2			0.15
WEX17-323-MD29		32	17	40	M16	3			0.20
WEX17-333-MD29		33	17	44	M16	3			0.24

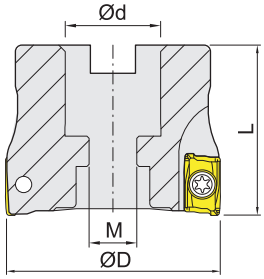
被切削材 Workpiece material						
	Steel 鋼	P	●			
	Stainless steel 不銹鋼	M	●		●	
	Cast iron 鑄鐵	K		●		●
	Non-ferrous metal 非鐵金屬	N				●

Insert Shape	Description	GRADE 材質 Coated 塗層 ACP200	ACK200	ACM300	Uncoated 無塗層 H1	Dimensions,mm A	B	S	Re
	AXMT060202PDFR-S				●	7.2	4.1	2.52	0.2
	AXMT060204PDER-G			●					0.4
	AXMT123504PEER-G	○				12	7	3.58	0.4
	AXMT123508PEER-G	●							0.8
	AXMT123504PEER-H								0.4
	AXMT123508PEER-H	●	●						0.8
	AXMT123504PEER-E			●					0.4
	AXMT123508PEER-EH								0.8
	AXET123504PEFR-S				●				0.4
	AXET123508PEFR-S				●				0.8
	AXMT170504PEER-G	○				17.54	10.2	5.59	0.4
	AXMT170508PEER-G	●	○						0.8
	AXMT170508PEER-H								0.8

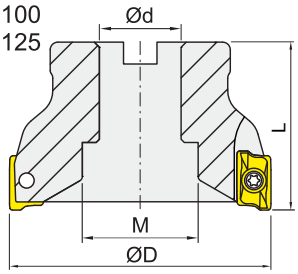
WEX 直角端銑刀
SHOULDER / CUTTING END MILLS (WEX)

溝加工 | 側面加工 | 平面加工

Ø 40
Ø 50
Ø 63
Ø 80



Ø 100
Ø 125



Metric

Item code 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,mm D	d	L	M	Teeth	Insert	Spare parts	Weight Kg
WEX12-04006-16.0		40	16.0	40	9	6	AXMT1235…	①	0.25
WEX12-05007-22.0		50	22.0	40	11	7			0.39
WEX12-06308-22.0		63	22.0	40	11	8			0.79
WEXM17-04004-16.0		40	16.0	40	9	4	AXMT1705…	②	0.20
NEW **WEXM17-05005-22.0**	**WEXM17-05005-A22.0**	50	22.0	40	11	5		③	0.43
NEW **WEXM17-06306-22.0**	**WEXM17-06306-A22.0**	63	22.0	40	11	6			0.55
NEW **WEXM17-08007-27.0**	**WEXM17-08007-A27.0**	80	27.0	50	13	7			1.09

Inch

Item code 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,mm D	d	L	M	Teeth	Insert	Spare parts	Weight Kg
WEX12-05007-25.4		50	25.4	50	13	7	AXMT1235…	①	0.50
WEX12-06308-25.4		63	25.4	50	13	8			0.79
WEX12-08010-25.4		80	25.4	50	13	10			1.22
WEXM17-06306-25.4		63	25.4	50	13	6	AXMT1705…	③	0.79
WEXM17-08007-25.4		80	25.4	50	13	7			1.09
WEXM17-10008-31.75		100	31.75	63	45	8			1.85
WEXM17-12509-38.1		125	38.1	63	60	9			2.40

Insert	Spare parts	Screw	Wrench
AXMT1235…	①	MS3006A	ETF09
AXMT1705…	②	MS4009A	ETF15
AXMT1705…	③	MS4011A	ETF15

被切削材 Workpiece material					
Steel 鋼	P	●		
Stainless steel 不銹鋼	M	●		
Cast iron 鑄鐵	K		●	●
Non-ferrous metal 非鐵金屬	N			●

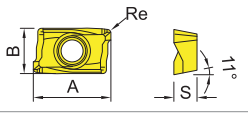
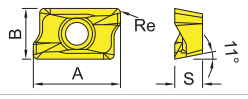
Insert Shape	Description	GRADE 材質 Coated 塗層 ACP200	ACK200	Uncoated 無塗層 H1	Dimensions,mm A	B	S	Re
	**AXMT123508PEER-G**	●			12	7	3.58	0.8
	AXMT123508PEER-H	●	●					0.8
	AXET123504PEFR-S			●				0.4
	AXET123508PEFR-S			●				0.8
	**AXMT170504PEER-G**	○			17.54	10.2	5.59	0.4
	AXMT170508PEER-G	●	○					0.8

FIG-1

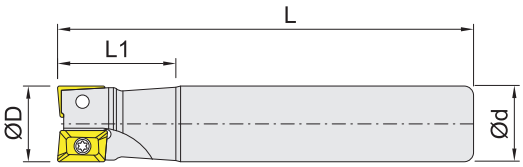


FIG-2

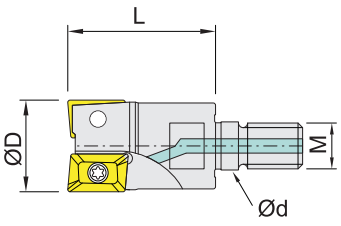
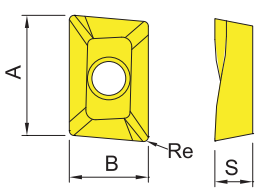


FIG-1 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
WEM10-152-S16-100		15	16	100	25	2	APMT1035..	①	0.16
WEM10-162-S16-150		16	16	150	25	2			0.24
WEM10-162-S16-200		16	16	200	25	2			0.32
WEM10-203-S20-150		20	20	150	30	3			0.37
WEM10-203-S20-200		20	20	200	30	3			0.49
WEM10-222-S20-150		22	20	150	25	2			0.37
WEM10-223-S20-150		22	20	150	25	3			0.37
WEM10-253-S25-150		25	25	150	35	3			0.58
WEM10-253-S25-200		25	25	200	35	3			0.77

FIG-2 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
WEM10-162-MD14	**WEM10-162-AMD14**	16	8.5	25	M8	2	APMT1035..	①	0.05
WEM10-172-MD14	**WEM10-172-AMD14**	17	8.5	25	M8	2			0.05
WEM10-203-MD18	**WEM10-203-AMD18**	20	10.5	30	M10	3			0.07
WEM10-213-MD18	**WEM10-213-AMD18**	21	10.5	30	M10	3			0.07
WEM10-253-MD23	**WEM10-253-AMD23**	25	12.5	35	M12	3			0.12
WEM10-263-MD23	**WEM10-263-AMD23**	26	12.5	35	M12	3			0.12

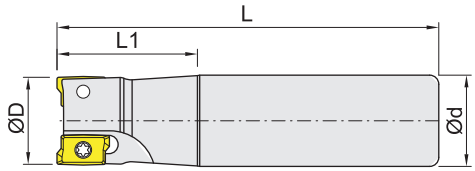
Insert	Spare parts	Screw	Wrench
APMT1035..	①	MS2506A	ETF09

被切削材 Workpiece material						
	Steel 鋼	P	●			
	Stainless steel 不銹鋼	M		●		
	Cast iron 鑄鐵	K			●	●
	Non-ferrous metal 非鐵金屬	N				●

Insert Shape	Description	GRADE 材質				Dimensions,mm			
		Coated 塗層			Uncoated 無塗層				
		ACZ330	ACZ350	ACZ310	H1	A	B	S	Re
	**APMT103504PDER-H**			●		10	6.6	3.5	0.4
	APMT103508PDER-H	●	●			10	6.6	3.5	0.8
	APET103504PDFR-S				●	10	6.6	3.5	0.4

MEC 直角端銑刀
SHOULDER / CUTTING END MILLS (MEC)

溝加工 | 側面加工 | 平面加工



Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
MEC07-102-S10-120	10	10	120	20	2	BDMT0703..	MS2004C	ETF06	0.07
MEC07-112-S10-120	11	10	120	20	2				0.07
MEC07-122-S12-120	12	12	120	20	2				0.11
MEC07-132-S12-120	13	12	120	20	2				0.11
MEC07-132-S12-150	13	12	150	20	2				0.13
MEC11-162-S16-150	16	16	150	28	2	BDMT11T3..	MS2506A	ETF09	0.24
MEC11-162-S16-200	16	16	200	28	2				0.32
MEC11-172-S16-150	17	16	150	28	2				0.24
MEC11-172-S16-200	17	16	200	28	2				0.32
MEC11-203-S20-150	20	20	150	30	3				0.37
MEC11-203-S20-200	20	20	200	30	3				0.49
MEC11-213-S20-150	21	20	150	30	3				0.49
MEC11-213-S20-200	21	20	200	30	3				0.66
MEC11-253-S25-150	25	25	150	35	3				0.58
MEC11-253-S25-200	25	25	200	35	3				0.77
MEC11-263-S25-150	26	25	150	35	3				0.58
MEC11-263-S25-200	26	25	200	35	3				0.77
MEC11-324-S32-150	32	32	150	35	4				0.95
MEC11-324-S32-200	32	32	200	35	4				1.26
MEC11-325-S32-150	32	32	150	35	5				0.95
MEC11-325-S32-200	32	32	200	35	5				1.26
MEC11-334-S32-150	33	32	150	35	4				0.95
MEC11-334-S32-200	33	32	200	35	4				1.26

被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K		●
Non-ferrous metal 非鐵金屬	N		

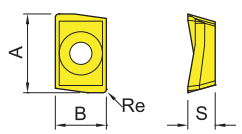
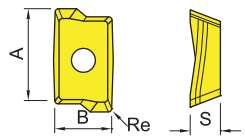
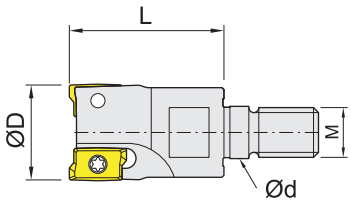
Insert Shape	Description	GRADE 材質 / Coated 塗層		Dimensions,mm			
		PR1225	PR1210	A	B	S	Re
	**BDMT070302ERJT**	●		6.7	4.7	2.6	0.2
	BDMT070304ERJS						0.4
	**BDMT11T302ERJT**	○		11	6.7	3.8	0.2
	BDMT11T304ERJT	●					0.4
	BDMT11T308ERJT	●					0.8
	BDMT11T304ERJS	○	○				0.4

FIG-1



溝加工 | 側面加工 | 平面加工

FIG-2

Ø 40
Ø 50
Ø 63

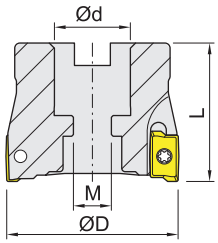


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
MEC07-102-MD10	10	5.5	16	M5	2	BDMT0703..	MS2004C	ETF06	0.01
MEC07-112-MD10	11	5.5	16	M5	2				0.01
MEC07-122-MD11	12	6.5	18	M6	2				0.01
MEC07-132-MD11	13	6.5	18	M6	2				0.02
MEC11-162-MD14	16	8.5	25	M8	2	BDMT11T3..	MS2506A	ETF09	0.04
MEC11-172-MD14	17	8.5	25	M8	2				0.04
MEC11-203-MD18	20	10.5	30	M10	3				0.07
MEC11-213-MD18	21	10.5	30	M10	3				0.07
MEC11-253-MD23	25	12.5	35	M12	3				0.14
MEC11-263-MD23	26	12.5	35	M12	3				0.14
MEC11-324-MD29	32	17	43	M16	4				0.26
MEC11-325-MD29	32	17	43	M16	5				0.25
MEC11-334-MD29	33	17	43	M16	4				0.25

Metric

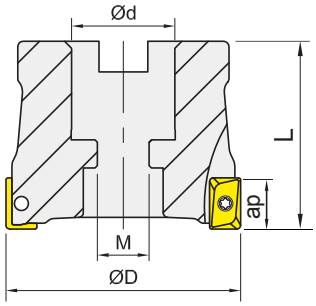
FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
MEC11-406-16.0	40	16.0	40	9	6	BDMT11T3..	MS2506A	ETF09	0.25
MEC11-507-22.0	50	22.0	40	11	7				0.38
MEC11-638-27.0	63	27.0	50	13	8				0.79

Inch

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
MEC11-507-25.4	50	25.4	50	13	7	BDMT11T3..	MS2506A	ETF09	0.46
MEC11-638-25.4	63	25.4	50	13	8				0.82

MEW直角端銑刀
SHOULDER / CUTTING END MILLS (MEW)

平面加工



Metric

	Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
	無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
NEW	MEW10-05005-22.0T		50	22.0	40	11	10	5	LO..1004..	①	0.40
NEW	MEW10-05006-22.0T							6			0.40

Inch

	Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
	無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
NEW	MEW10-08006-25.4T		80	25.4	50	13	10	6	LO..1004..	①	0.40

Insert	Spare parts	Screw	Wrench
LO..1004..	①	MS3007K	ETF08

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		
	Non-ferrous metal 非鐵金屬	N		●
	Hardened steel 高硬度材	H		

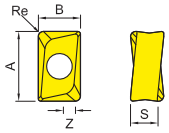
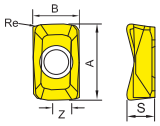
Insert Shape	Description	GRADE 材質		Dimensions,mm				
		Coated 塗層	Uncoated 無塗層					
		PR1525	GW25	A	B	S	Z	Re
	**LOMU100408ER-GM** *4個刃口 4-Edge	●		10.9	6.6	4.0	1.7	0.8
	**LOGT100408FR-AM** *2個刃口 2-Edge		●	11.2	6.8	4.0	2.8	0.8

FIG-1

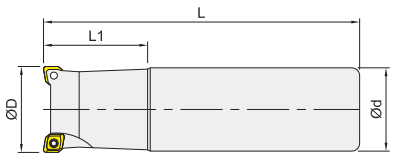


FIG-2

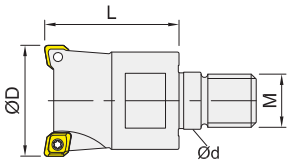
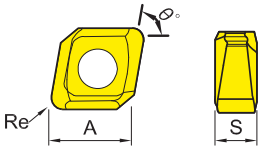


FIG-1 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
NEW CCN07-334-S32-200T		33	32	200	40	4	CNHT0703..	①	1.25

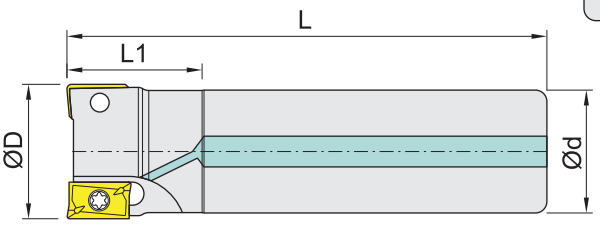
FIG-2 Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
NEW CCN07-172-MD14		17	8.5	30	M8	2	CNHT0703..	①	0.05
NEW CCN07-212-MD18		21	10.5	30	M10	2			0.07
NEW CCN07-263-MD23		26	12.5	35	M12	3			0.13
NEW CCN07-334-MD29		33	17	40	M16	4			0.23

Insert	Spare parts	Screw	Wrench
CNHT0703..	①	MS2508B	ETF09

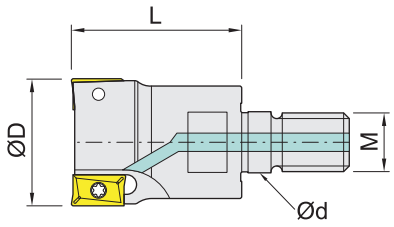
被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	

Insert Shape	Description	GRADE 材質 Coated 塗層 IC908	Dimensions,mm A	S	Re	θ°
	CNHT070305	●	7.0	3.6	0.5	80
	CNHT070310	●	7.0	3.6	1.0	80

CAP 直角端銑刀
SHOULDER / CUTTING END MILLS (CAP)



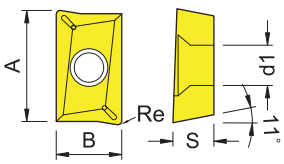
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
CAP3-162-S16-100	CAP3-162-A16-100	16	16	100	28	2	APKT1003..	①	0.16
CAP3-162-S16-150	CAP3-162-A16-150	16	16	150	28	2			0.24
CAP3-162-S16-200		16	16	200	28	2			0.32
CAP3-172-S16-150		17	16	150	26	2			0.24
CAP3-172-S16-200		17	16	200	26	2			0.32
CAP3-182-S20-100		18	20	100	30	2			0.25
CAP3-182-S20-150		18	20	150	30	2			0.37
CAP3-182-S20-200		18	20	200	30	2			0.49
CAP3-192-S20-120		19	20	120	30	2			0.30
CAP3-202-S20-100		20	20	100	30	2			0.25
CAP3-202-S20-150		20	20	150	30	2			0.37
CAP3-202-S20-200		20	20	200	30	2			0.49
CAP3-203-S20-100	CAP3-203-A20-100	20	20	100	30	3			0.25
CAP3-203-S20-150	CAP3-203-A20-150	20	20	150	30	3			0.37
CAP3-203-S20-200		20	20	200	30	3			0.49
CAP3-212-S20-120		21	20	120	30	2			0.37
CAP3-212-S20-150		21	20	150	30	2			0.37
CAP3-212-S20-200		21	20	200	30	2			0.49
CAP3-213-S20-150		21	20	150	30	3			0.37
CAP3-213-S20-200		21	20	200	30	3			0.48
CAP3-253-S25-120		25	25	120	30	3			0.48
CAP3-253-S25-150	CAP3-253-A25-150	25	25	150	30	3			0.58
CAP3-253-S25-200		25	25	200	30	3			0.62
CAP3-263-S25-150		26	25	150	30	3			0.58
CAP3-263-S25-200		26	25	200	30	3			0.77
CAP3-264-S25-150		26	25	150	30	4			0.58
CAP3-264-S25-200		26	25	200	30	4			0.77
CAP3-324-S32-150	CAP3-324-A32-150	32	32	150	40	4			0.95
CAP3-324-S32-200		32	32	200	40	4			1.26
CAP4-242-S25-125		24	25	125	40	2	APKT1604..	②	0.48
CAP4-252-S25-125		25	25	125	40	2			0.48
CAP4-252-S25-150		25	25	150	40	2			0.58
CAP4-252-S25-200		25	25	200	40	2			0.77
CAP4-262-S25-150		26	25	150	30	2			0.58
CAP4-262-S25-200		26	25	200	30	2			0.77
CAP4-262-S25-250		26	25	250	30	2			0.96
CAP4-323-S32-150		32	32	150	45	3	APKT1604..	③	0.95
CAP4-323-S32-200		32	32	200	45	3			1.26
CAP4-323-S32-250		32	32	250	45	3			1.58
CAP4-333-S32-150		33	32	150	35	3			0.95
CAP4-333-S32-200		33	32	200	35	3			1.26
CAP4-333-S32-250		33	32	250	35	3			1.58
CAP4-333-S32-300		33	32	300	35	3			1.89
CAP4-352-S32-150		35	32	150	35	2			0.95
CAP4-352-S32-200		35	32	200	35	2			1.26
CAP4-353-S32-150		35	32	150	35	3			0.95
CAP4-353-S32-200		35	32	200	35	3			1.26



Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
CAP3-162-MD14		16	8.5	25	M8	2	APKT1003..	①	0.04
CAP3-172-MD14		17	8.5	25	M8	2			0.04
CAP3-182-MD14		18	8.5	25	M8	2			0.05
CAP3-202-MD18	**CAP3-202-AMD18**	20	10.5	30	M10	2			0.08
CAP3-203-MD18	**CAP3-203-AMD18**	20	10.5	30	M10	3			0.07
CAP3-212-MD18	**CAP3-212-AMD18**	21	10.5	30	M10	2			0.09
CAP3-213-MD18	**CAP3-213-AMD18**	21	10.5	30	M10	3			0.08
CAP3-253-MD23		25	12.5	35	M12	3			0.14
CAP3-263-MD23		26	12.5	35	M12	3			0.15
CAP3-264-MD23		26	12.5	35	M12	4			0.15
NEW **CAP3-355-MD29**		35	17	43	M16	5			0.27
CAP4-323-MD29		32	17	43	M16	3	APKT1604..	③	0.22

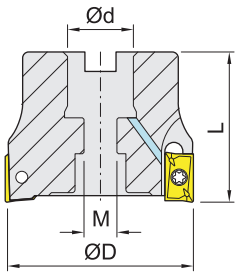
Insert	Spare parts	Screw	Wrench
APKT1003..	①	MS2506B	ETF09
APKT1604..	②	MS4009A	ETF15
APKT1604..	③	MS4011A	ETF15

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		
	Non-ferrous metal 非鐵金屬	N		●

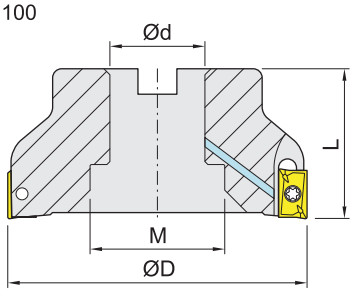
Insert Shape	Description	GRADE 材質		Dimensions,mm				
		Coated 塗層	Uncoated 無塗層					
		IC328	H01	A	B	S	d1	Re
	**APKT100320PDTR-RM**	●		10.5	6.7	3.5	2.85	2.0
	APKT1003PDR-HM	●						0.5
	APKT1604PDR-HM	●		16.5	9.52	5.3	4.4	0.8
	APKT1604PDFR-MA		●					0.2

CAP 直角端銑刀
SHOULDER / CUTTING END MILLS (CAP)

Ø 40
Ø 50
Ø 63
Ø 66
Ø 80



Ø 100



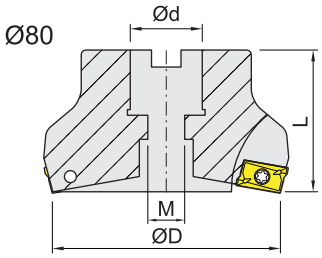
Metric

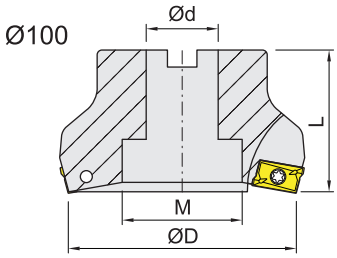
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
CAP3-506-22.0		50	22.0	40	11	6	APKT1003..	①	0.54
CAP3-638-22.0		63	22.0	40	11	8			0.70
CAP4-403-16.0		40	16.0	40	9	3	APKT1604..	②	0.25
CAP4-403-22.0		40	22.0	50	11	3			0.38
CAP4-504-22.0	**CAP4-504-A22.0**	50	22.0	50	11	4			0.54
CAP4-505-22.0	**CAP4-505-A22.0**	50	22.0	50	11	5			0.54
CAP4-635-22.0	**CAP4-635-A22.0**	63	22.0	50	11	5			0.70
CAP4-806-27.0	**CAP4-806-A27.0**	80	27.0	50	13	6			0.97
CAP4-1008-32.0		100	32.0	50	45	8			1.65

Inch

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
CAP4-403-25.4※		40	25.4	50	13	3	APKT1604..	②	0.33
CAP4-504-25.4		50	25.4	50	13	4			0.50
CAP4-505-25.4		50	25.4	50	13	5			0.50
CAP4-635-25.4		63	25.4	50	13	5			0.73
CAP4-665-25.4		66	25.4	50	13	5			0.72
CAP4-806-25.4		80	25.4	50	13	6			1.21
CAP4-806-31.75		80	31.75	50	13	6			1.15
CAP4-1008-31.75		100	31.75	50	45	8			1.65

※另附刀把螺絲 HTM1247HS (※ The mill equips with a cap screw HTM1247HS)



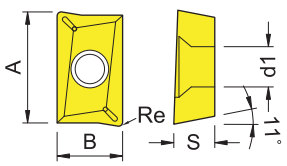


Inch

Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	M				
CAPW4-806-25.4	80	25.4	50	13	6	APKT1604..	②	1.21
CAPW4-1007-31.75	100	31.75	50	45	7			1.70

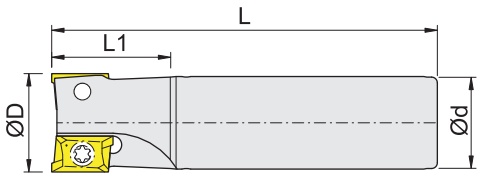
Insert	Spare parts	Screw	Wrench
APKT1003..	①	MS2506B	ETF09
APKT1604..	②	MS4011A	ETF15

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description	GRADE 材質		Dimensions,mm				
		Coated 塗層	Uncoated 無塗層					
		IC328	H01	A	B	S	d1	Re
	**APKT100320PDTR-RM**	●		10.5	6.7	3.5	2.85	2.0
	APKT1003PDR-HM	●						0.5
	APKT1604PDR-HM	●		16.5	9.52	5.3	4.4	0.8
	APKT1604PDFR-MA		●					0.2

TE90A 直角端銑刀
SHOULDER / CUTTING END MILLS (TE90A)

溝加工 | 側面加工 | 平面加工

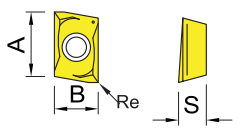
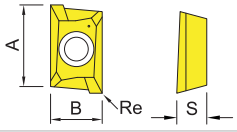


Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	L1				
TE90A06-081-S10-100	8	10	100	12	1	AXMT0602..	①	0.06
TE90A06-102-S10-120	10	10	120	16	2			0.07
TE90A06-112-S10-120	11	10	120	12	2		②	0.07
TE90A06-122-S12-130	12	12	130	16	2			0.12
TE90A06-123-S12-130	12	12	130	16	3			0.12
TE90A06-132-S12-130	13	12	130	16	2			0.12
TE90A06-133-S12-130	13	12	130	16	3			0.12
TE90A06-163-S16-150	16	16	150	25	3			0.24
TE90A06-164-S16-150	16	16	150	25	4			0.24
TE90A06-173-S16-150	17	16	150	20	3			0.24
TE90A09-121-S12-150	12	12	150	20	1	APKT09T3..	③	0.13
TE90A09-141-S16-150	14	16	150	24	1		④	0.24
TE90A09-162-S16-150	16	16	150	24	2			0.24
TE90A09-162-S16-200			200					0.32
TE90A09-172-S16-150	17	16	150	20	2			0.24
TE90A09-172-S16-200			200					0.32
TE90A09-182-S20-150	18	20	150	30	2			0.37
TE90A09-202-S20-150	20	20	150					0.37
TE90A09-202-S20-200			200					0.49
TE90A09-203-S20-150	20	20	150	30	3			0.37
TE90A09-203-S20-200			200					0.49
TE90A09-213-S20-150	21	20	150	20	3			0.37
TE90A09-213-S20-200			200					0.49
TE90A09-253-S25-150	25	25	150	35	3			0.58
TE90A09-253-S25-200			200					0.77
TE90A09-254-S25-150	25	25	150	35	4			0.58
TE90A09-263-S25-150	26	25	150	25	3			0.58
TE90A09-263-S25-200			200					0.77
TE90A09-333-S32-150	33	32	150	32	3			0.95
TE90A09-333-S32-200			200					1.26

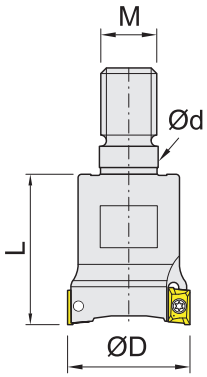
Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	L1				
TE90A09-353-S32-150	35	32	150	32	3	APKT09T3..	④	0.95
TE90A09-353-S32-200			200					1.26
TE90A09-354-S32-150	35	32	150	32	4			0.95
TE90A09-354-S32-200			200					1.26
TE90A17-252-S25-150	25	25	150	35	2	APKT1705..	⑤	0.58
TE90A17-252-S25-200			200					0.77
TE90A17-262-S25-150	26	25	150					0.58
TE90A17-262-S25-200			200					0.77
TE90A17-323-S32-150	32	32	150	40	3			0.95
TE90A17-323-S32-200			200					1.26
TE90A17-323-S32-250			250					1.58

Insert	Spare parts	Screw	Wrench
AXMT0602..	①	MS1804A	ETF06
AXMT0602..	②	MS1805A	ETF06
APKT09T3..	③	MS2505B	ETF09
APKT09T3..	④	MS2506B	ETF09
APKT1705..	⑤	MS4009A	ETF15

被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K			
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質			Dimensions,mm			
		Coated 塗層		Uncoated 無塗層				
		TT9030	TT9080	K10	A	B	S	Re
	**AXMT060202REM**	●			6.1	4.1	2.6	0.2
	AXMT060204REM	●						0.4
	AXCT060202R-AL			●				0.2
	AXCT060204R-AL			●				0.4
	**APKT09T3PER-EM**		●		9.8	6.2	3.8	--
	APCT09T3PER-AL			●				
	APKT1705PER-EM	●	○	●	17	10.7	5.56	--

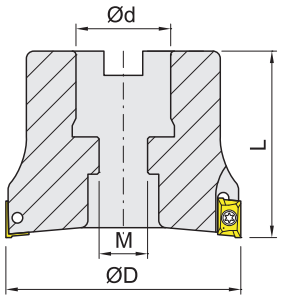
TE90A 直角端銑刀
SHOULDER / CUTTING END MILLS (TE90A)



Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
TE90A06-091-MD08		9	4.5	15	M4	1	AXMT0602..	①	0.02
TE90A06-102-MD10		10	5.5	16	M5	2			0.02
TE90A06-112-MD10	**TE90A06-112-AMD10**	11				2		②	0.02
TE90A06-122-MD11	**TE90A06-122-AMD11**	12	6.5	18	M6	2			0.03
TE90A06-123-MD11						3			0.03
TE90A06-132-MD11		13	6.5	20	M6	2			0.03
TE90A06-133-MD11						3			0.03
TE90A06-163-MD14		16	8.5	20	M8	3			0.04
TE90A06-164-MD14						4			0.04
TE90A06-173-MD14		17				3			0.05
TE90A06-174-MD14						4			0.04
TE90A09-162-MD14		16	8.5	23	M8	2	APKT09T3…	③	0.05
TE90A09-172-MD14		17				2			0.05
TE90A09-202-MD18		20	10.5	30	M10	2			0.07
TE90A09-203-MD18						3			0.07
TE90A09-212-MD18		21				2			0.07
TE90A09-213-MD18						3			0.07
TE90A09-222-MD18		22				2			0.08
TE90A09-223-MD18						3			0.08
TE90A09-253-MD23		25	12.5	35	M12	3			0.12
TE90A09-263-MD23		26				3			0.12
TE90A09-264-MD23						4			0.12
TE90A09-333-MD29		33	17	43	M16	3			0.25
TE90A09-334-MD29						4			0.25
TE90A09-353-MD29		35				3			0.26
TE90A09-354-MD29						4			0.26
TE90A17-252-MD23		25	12.5	36	M12	2	APKT1705..	④	0.12
TE90A17-262-MD23									0.12
TE90A17-323-MD29		32	17	43	M16	3			0.26
TE90A17-353-MD29		35						⑤	0.26

Insert	Spare parts	Screw	Wrench
AXMT0602…	①	MS1804A	ETF06
AXMT0602…	②	MS1805A	ETF06
APKT09T3…	③	MS2506B	ETF09
APKT1705...	④	MS4009A	ETF15
APKT1705...	⑤	MS4011A	ETF15

Ø50
Ø63
Ø80



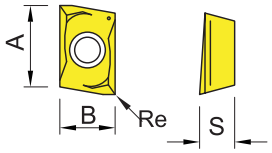
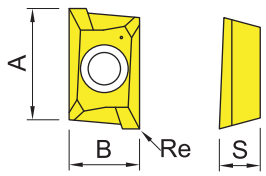
Metric

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	M				
TE90A09-5005-22.0	50	22.0	50	11	5	APKT09T3…	③	0.49
TE90A09-5006-22.0	50	22.0	50	11	6			0.55
TE90A17-05005-22.0	50	22.0	40	11	5	APKT1705…	⑤	0.55

Inch

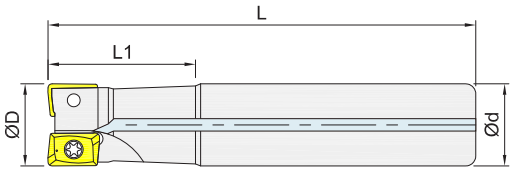
FIG-2 Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	M				
TE90A09-5006-25.4	50	25.4	50	13	6	APKT09T3…	③	0.51
TE90A09-6307-25.4	63	25.4	50	13	7			0.73
TE90A09-8008-25.4	80	25.4	50	13	8			1.14

被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K			●
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質			Dimensions,mm			
		Coated 塗層		Uncoated 無塗層				
		TT9030	TT9080	K10	A	B	S	Re
	**AXMT060202REM**	●			6.1	4.1	2.6	0.2
	AXMT060204REM	●						0.4
	AXCT060202R-AL			●				0.2
	AXCT060204R-AL			●				0.4
	**APKT09T3PER-EM**		●		9.8	6.2	3.8	--
	APCT09T3PER-ML		○					
	APCT09T3PER-AL			●				
	APKT1705PER-EML		○		17	10.7	5.56	--
	APKT1705PER-EM	●	○	●				

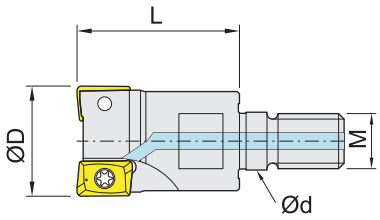
AKS 直角端銑刀
SHOULDER / CUTTING END MILLS (AKS)

溝加工 | 側面加工 | 平面加工



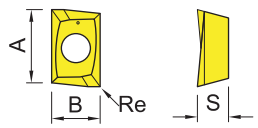
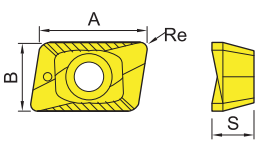
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
NEW AKS06-091-S10-100		9	10	100	16	1	XOMT0602..	①	0.06
AKS06-102-S10-120	AKS06-102-A10-120	10	10	120	20	2			0.07
AKS06-112-S10-110		11	10	110	13	2			0.07
AKS06-112-S10-150		11	10	150	13	2			0.09
AKS06-122-S12-100		12	12	100	25	2			0.09
AKS06-122-S12-130		12	12	130	25	2			0.12
AKS06-123-S12-100		12	12	100	25	3			0.09
AKS06-123-S12-130	AKS06-123-A12-130	12	12	130	25	3			0.12
AKS06-132-S12-130		13	12	130	18	2			0.12
AKS06-133-S12-130		13	12	130	18	3			0.12
AKS06-164-S16-150		16	16	150	28	4			0.24
AKS06-164-S16-200		16	16	200	28	4			0.32
AKS06-174-S16-150		17	16	150	20	4			0.24
AKS09-162-S16-150		16	16	150	28	2	XOMT0903..	②	0.24
AKS09-162-S16-200		16	16	200	28	2			0.32
AKS09-172-S16-150		17	16	150	20	2			0.24
AKS09-172-S16-200		17	16	200	20	2			0.32
AKS09-202-S20-150		20	20	150	30	2			0.37
AKS09-202-S20-200		20	20	200	30	2			0.49
AKS09-203-S20-150		20	20	150	30	3			0.37
AKS09-203-S20-200		20	20	200	30	3			0.49
AKS09-212-S20-150		21	20	150	30	2			0.37
AKS09-212-S20-200		21	20	200	30	2			0.49
AKS09-213-S20-150		21	20	150	30	3			0.37
AKS09-213-S20-200		21	20	200	30	3			0.49
AKS09-253-S25-150		25	25	150	35	3			0.58
AKS09-253-S25-200		25	25	200	35	3			0.77
AKS09-263-S25-150		26	25	150	30	3			0.58
AKS09-263-S25-200		26	25	200	30	3			0.77
AKS09-325-S32-150		32	32	150	35	5			0.95
AKS09-325-S32-200		32	32	200	35	5			1.26
AKS09-335-S32-150		33	32	150	30	5			0.95
AKS09-335-S32-200		33	32	200	30	5			1.26
AKS10T-162-S16-150		16	16	150	22	2	XOMT10T3..	③	0.24
AKS10T-162-S16-200		16	16	200	22	2			0.32
AKS10T-202-S20-150		20	20	150	28	2			0.37
AKS10T-202-S20-200		20	20	200	28	2			0.49
AKS10T-254-S25-150		25	25	150	35	4			0.58
AKS10T-325-S32-150		32	32	150	40	5			0.90
AKS10T-355-S32-150		35	32	150	40	5			0.95
AKS12-181-S16-150		18	16	150	30	1	XOMT1204..	④	0.24
AKS12-282-S25-150		28	25	150	35	2		⑤	0.58

Insert	Spare parts	Screw	Wrench
XOMT0602..	①	MS1804B	ETF06
XOMT0903..	②	MS2506E	ETF08
XOMT10T3..	③	MS2506E	ETF08
XOMT1204..	④	MS3507E	ETF10
XOMT1204..	⑤	MS3508E	ETF10
XOMT1204..	⑥	MS3510E	ETF10

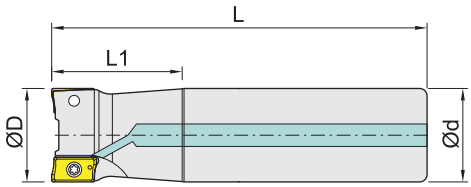


Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
AKS06-102-MD10	**AKS06-102-AMD10**	10	5.5	16	M5	2	XOMT0602..	①	0.01
AKS06-112-MD10		11	5.5	16	M5	2			0.01
AKS06-122-MD11		12	6.5	18	M6	2			0.02
AKS06-123-MD11		12	6.5	18	M6	3			0.01
AKS06-132-MD11		13	6.5	18	M6	2			0.02
AKS06-133-MD11		13	6.5	18	M6	3			0.02
AKS06-164-MD14		16	8.5	20	M8	4			0.03
AKS06-184-MD11		18	6.5	18	M6	4			0.03
AKS06-184-MD14		18	8.5	20	M8	4			0.04
AKS06-204-MD18		20	10.5	24	M10	4			0.07
AKS06-205-MD18		20	10.5	24	M10	5			0.06
AKS06-254-MD23		25	12.5	28	M12	4			0.12
AKS06-255-MD23		25	12.5	28	M12	5			0.12
AKS09-162-MD14		16	8.5	25	M8	2	XOMT0903..	②	0.04
AKS09-172-MD14		17	8.5	25	M8	2			0.05
AKS09-202-MD18		20	10.5	30	M10	2			0.07
AKS09-203-MD18		20	10.5	30	M10	3			0.07
AKS09-212-MD18		21	10.5	30	M10	2			0.07
AKS09-213-MD18		21	10.5	30	M10	3			0.07
AKS09-253-MD23		25	12.5	35	M12	3			0.12
AKS09-263-MD23		26	12.5	35	M12	3			0.12
AKS09-264-MD23		26	12.5	35	M12	4			0.12
AKS09-324-MD29		32	17	43	M16	4			0.23
AKS09-325-MD29		32	17	43	M16	5			0.23
AKS09-335-MD29		33	17	43	M16	5			0.24
AKS10T-172-MD14		17	8.5	25	M8	2	XOMT10T3..	③	0.05
AKS12-263-MD23		26	12.5	30	M12	3	XOMT1204..	⑤	0.12
AKS12-354-MD30		35	17	40	M16	4		⑥	0.31

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description	GRADE 材質		Dimensions,mm			
		Coated 塗層	Uncoated 無塗層				
		GW762	GM471	A	B	S	Re
	**XOMT060202MK05**	●		6.94	4.09	2.45	0.2
	XOET060204FE03		●				0.4
	XOMT060204MK05	●		6.91-6.94	4.09	2.45	0.4
	XOMT060208MK05	●					0.8
	**XOMT090304TM06**	●		9.9-10.8	6.35	3.21-3.65	0.4
	XOMT090308TM06	●					0.8
	XOMT10T304TM07	●		9.7-11.07	6.86	3.83	0.4
	XOMT120408TM08	●		11.41-12.16	8.18	3.93-4.15	0.8

VAX 直角端銑刀
SHOULDER / CUTTING END MILLS (VAX)

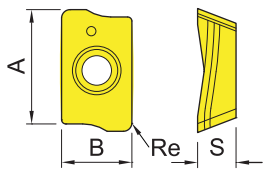


Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
VAX11-162-S16-150	VAX11-162-A16-150	16	16	150	28	2	R390-11T3..	①	0.24
VAX11-162-S16-200		16	16	200	28	2			0.32
VAX11-172-S16-150	VAX11-172-A16-150	17	16	150	25	2			0.24
VAX11-172-S16-200		17	16	200	25	2			0.32
VAX11-182-S16-150		18	16	150	25	2			0.24
VAX11-182-S16-200		18	16	200	25	2			0.32
VAX11-202-S20-150		20	20	150	30	2			0.37
VAX11-202-S20-200		20	20	200	30	2			0.49
VAX11-203-S20-150	VAX11-203-A20-150	20	20	150	30	3			0.37
VAX11-203-S20-200	VAX11-203-A20-200	20	20	200	30	3			0.49
VAX11-212-S20-150		21	20	150	25	2			0.37
VAX11-212-S20-200		21	20	200	25	2			0.49
VAX11-213-S20-150	VAX11-213-A20-150	21	20	150	25	3			0.37
VAX11-213-S20-200		21	20	200	25	3			0.49
VAX11-222-S20-150		22	20	150	30	2			0.37
VAX11-222-S20-200		22	20	200	30	2			0.49
VAX11-223-S20-150		22	20	150	30	3			0.58
VAX11-253-S25-150		25	25	150	35	3			0.58
VAX11-253-S25-200	VAX11-253-A25-200	25	25	200	35	3			0.77
VAX11-254-S25-150	VAX11-254-A25-150	25	25	150	35	4			0.58
VAX11-254-S25-200		25	25	200	35	4			0.77
VAX11-263-S25-150		26	25	150	25	3			0.58
VAX11-263-S25-200		26	25	200	25	3			0.77
VAX11-264-S25-150		26	25	150	25	4			0.58
VAX11-264-S25-200	VAX11-264-A25-200	26	25	200	25	4			0.77
VAX11-304-S32-150		30	32	150	40	4			0.95
VAX11-304-S32-200		30	32	200	40	4			1.26
VAX11-304-S32-250		30	32	250	40	4			1.58
VAX11-324-S32-150		32	32	150	40	4			0.95
VAX11-324-S32-200		32	32	200	40	4			1.26
VAX11-324-S32-250		32	32	250	40	4			1.58
VAX11-334-S32-150		33	32	150	32	4			0.95
VAX11-334-S32-200	VAX11-334-A32-200	33	32	200	32	4			1.26
VAX11-334-S32-250		33	32	250	32	4			1.58
VAX11-354-S32-150		35	32	150	32	4			0.95

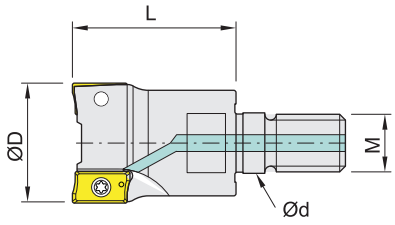
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
VAX11-354-S32-200		35	32	200	32	4	R390-11T3..	①	1.26
VAX11-354-S32-250		35	32	250	32	4			1.58
VAX17-252-S25-150		25	25	150	32	2	R390-1704..	②	0.58
VAX17-252-S25-200		25	25	200	32	2			0.77
VAX17-262-S25-150		26	25	150	32	2			0.58
VAX17-262-S25-200		26	25	200	32	2			0.77
VAX17-262-S25-250		26	25	250	32	2			0.96
VAX17-323-S32-150		32	32	150	35	3		③	0.95
VAX17-323-S32-200		32	32	200	35	3			1.26
VAX17-333-S32-150		33	32	150	35	3			0.95
VAX17-333-S32-200		33	32	200	35	3			1.26
VAX17-333-S32-250		33	32	250	35	3			1.58

Insert	Spare parts	Screw	Wrench
R390-11T3..	①	MS2506B	ETF09
R390-1704..	②	MS3507A	ETF15
R390-1704..	③	MS3509A	ETF15

被切削材 Workpiece material				
Steel 鋼	P	●	●
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K	●	
Non-ferrous metal 非鐵金屬	N	●	

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm			
		1025	4240	A	B	S	Re
	**R390-11T308E-PL**	●		11	6.8	3.59	0.8
	R390-11T308M-PM		●				
	R390-170408M-PL		●	17	9.6	4.76	0.8
	R390-170408M-PM		●				

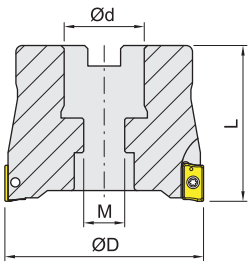
VAX 直角端銑刀
SHOULDER / CUTTING END MILLS (VAX)



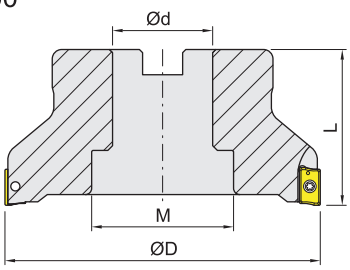
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
VAX11-162-MD14		16	8.5	26	M8	2	R390-11T3..	①	0.05
VAX11-172-MD14		17	8.5	26	M8	2			0.05
VAX11-202-MD18		20	10.5	30	M10	2			0.07
VAX11-203-MD18		20	10.5	30	M10	3			0.07
VAX11-212-MD18		21	10.5	30	M10	2			0.07
VAX11-213-MD18		21	10.5	30	M10	3			0.07
VAX11-253-MD23	**VAX11-253-AMD23**	25	12.5	35	M12	3			0.12
VAX11-254-MD23		25	12.5	35	M12	4			0.12
VAX11-263-MD23	**VAX11-263-AMD23**	26	12.5	35	M12	3			0.12
VAX11-264-MD23		26	12.5	35	M12	4			0.12
VAX11-324-MD29		32	17	43	M16	4			0.24
VAX11-325-MD29		32	17	43	M16	5			0.24
VAX11-334-MD29		33	17	43	M16	4			0.25
VAX11-335-MD29		33	17	43	M16	5			0.24
VAX11-354-MD29		35	17	43	M16	4			0.26
VAX11-355-MD29		35	17	43	M16	5			0.25
VAX17-252-MD23		25	12.5	35	M12	2	R390-1704..	②	0.12
VAX17-262-MD23		26	12.5	35	M12	2			0.12
VAX17-323-MD29		32	17	43	M16	3		③	0.24
VAX17-333-MD29		33	17	43	M16	3			0.24

Insert	Spare parts	Screw	Wrench
R390-11T3..	①	MS2506B	ETF09
R390-1704..	②	MS3507A	ETF15
R390-1704..	③	MS3509A	ETF15

Ø 40
Ø 50
Ø 52
Ø 62
Ø 63
Ø 80



Ø 100



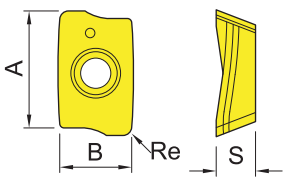
Metric

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
VAX11-04006-16.0		40	16.0	40	9	6	R390-11T3..	①	0.22
VAX11-05005-22.0		50	22.0	40	11	5			0.46
VAX11-05007-22.0		50				7			0.40
VAX11-06308-22.0	**VAX11-06308-A22.0**	63				8			0.59
VAX17-05004-22.0		50	22.0	50	11	4	R390-1704..	③	0.46

Inch

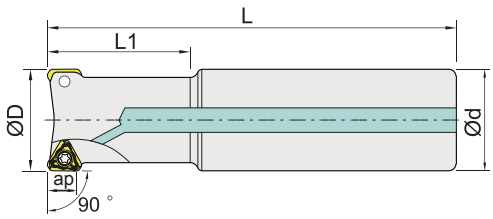
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
VAX11-05005-25.4		50	25.4	50	13	5	R390-11T3..	①	0.44
VAX11-05007-25.4		50				7			0.42
VAX11-06308-25.4		63				8			0.79
VAX11-08009-25.4		80				9			1.37
VAX11-10011-31.75		100	31.75	50	45	11			1.54
VAX17-05004-25.4		50	25.4	50	13	4	R390-1704..	③	0.47
VAX17-05005-25.4		50				5			0.45
VAX17-05205-25.4		52				5			0.50
VAX17-06206-25.4		62				6			0.68
VAX17-06306-25.4		63				6			0.69
VAX17-08006-25.4		80				6			1.16

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K	●	
	Non-ferrous metal 非鐵金屬	N	●	

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm			
		1025	4240	A	B	S	Re
	**R390-11T308E-PL**	●		11	6.8	3.59	0.8
	R390-11T308M-PM		●				
	R390-170408M-PL		●	17	9.6	4.76	0.8
	R390-170408M-PM		●				

PTN 直角端銑刀
SHOULDER / CUTTING END MILLS (PTN)

溝加工 | 側面加工 | 平面加工



Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1	ap				
PTN10-182-S20-150	PTN10-182-A20-150	18	20	150	30	5	2	TNGX1004..	①	0.37
PTN10-202-S20-150	PTN10-202-A20-150	20					2			0.37
PTN10-203-S20-150	PTN10-203-A20-150	20					3			0.37
PTN10-212-S20-150	PTN10-212-A20-150	21	20	150	25	5	2			0.37
PTN10-213-S20-150	PTN10-213-A20-150	21					3			0.37
PTN10-254-S25-150	PTN10-254-A25-150	25	25	150	35	5	4			0.58
PTN10-264-S25-150	PTN10-264-A25-150	26					4			0.58
PTN10-325-S32-150	PTN10-325-A32-150	32	32	150	40	5	5			0.94
PTN10-325-S32-200		32		200			5			0.94
PTN10-335-S32-150	PTN10-335-A32-150	33		150			5			0.94
PTN10-355-S32-200		35		200			5			0.94
PTN16-252-S25-150T	PTN16-252-A25-150T	25	25	150	34	10	2	TNGX1606..	②	0.54
PTN16-262-S25-150T	PTN16-262-A25-150T	26					2			0.60
PTN16-323-S32-200T	PTN16-323-A32-200T	32	32	200	34	10	3		③	1.15
PTN16-333-S32-200T	PTN16-333-A32-200T	33					3			1.20

被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K	●	●	
	Non-ferrous metal 非鐵金屬	N			●
	Hardened steel 高硬度材	H	●		

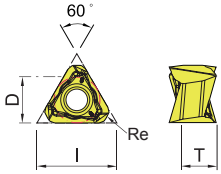
Insert Shape	Description	GRADE 材質			Dimensions,mm			
		Coated 塗層		Uncoated 無塗層				
		M8340	M8330	HF7	D	I	T	Re
	TNGX100416SR-M		●		6.0	10.39	4.69	1.6
	TNGX100404SR-F		●					0.4
	TNGX100404FR-FA			●				0.4
	TNGX100408FR-FA			●				0.8
	TNGX160604SR-M	●			9.525	16.5	6.58	0.4
	TNGX160608SR-F	●						0.8
	TNGX160604FR-FA			●				0.4

FIG-1

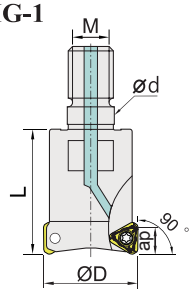


FIG-2

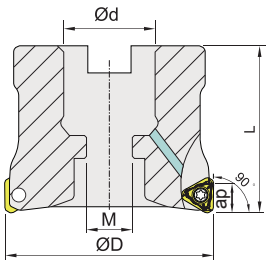


FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
PTN10-202-MD18	**PTN10-202-AMD18**	20	10.5	26	M10	5	2	TNGX1004..	①	0.07
PTN10-203-MD18	**PTN10-203-AMD18**						3			0.07
PTN10-212-MD18	**PTN10-212-AMD18**	21	10.5	26	M10		2			0.07
PTN10-213-MD18	**PTN10-213-AMD18**						3			0.07
PTN10-254-MD23	**PTN10-254-AMD23**	25	12.5	33	M12		4			0.12
PTN10-264-MD23	**PTN10-264-AMD23**	26					4			0.12
PTN10-325-MD29	**PTN10-325-AMD29**	32	17	43	M16		5			0.26
PTN10-335-MD29	**PTN10-335-AMD29**	33					5			0.26

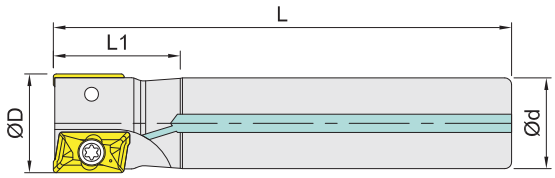
Metric

FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
PTN10-04006-16.0	**PTN10-04006-A16.0**	40	16.0	40	8.5	5	6	TNGX1004..	①	0.25
PTN10-05007-22.0	**PTN10-05007-A22.0**	50	22.0	40	11		7			0.38
PTN10-06309-22.0	**PTN10-06309-A22.0**	63	22.0	40	11		9			0.53
PTN10-08010-27.0	**PTN10-08010-A27.0**	80	27.0	50	13		10			1.20
PTN16-04004-16.0T※	**PTN16-04004-A16.0T※**	40	16.0	40	8.5	10	4	TNGX1606..	③	0.27
PTN16-05005-22.0T	**PTN16-05005-A22.0T**	50	22.0		11		5			0.51
PTN16-06306-22.0T	**PTN16-06306-A22.0T**	63					6			0.52
PTN16-08007-27.0T	**PTN16-08007-A27.0T**	80	27.0	50	13		7			1.21
PTN16-10008-32.0T		100	32.0		18		8			1.61
PTN16-12509-40.0T		125	40.0	63	22		9			3.32
PTN16-16010-40.0T		160			56.1		10			4.68

※表示另附刀把螺絲HTM838HS (※ The mill equips with a cap screw HTM838HS)

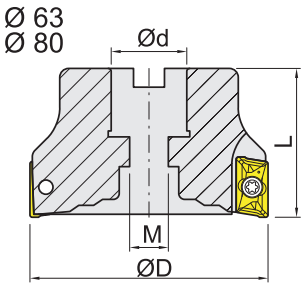
Insert	Spare parts	Screw	Wrench
TNGX1004..	①	MS2507E	ETF08
TNGX1606..	②	MS4011Q	ETF15
TNGX1606..	③	MS4012Q	ETF15

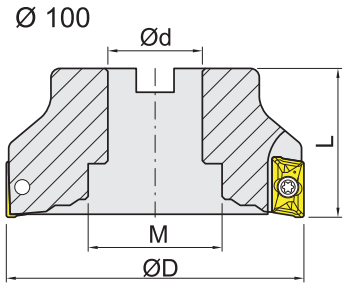
TPS 直角端銑刀
SHOULDER / CUTTING END MILLS (TPS)



Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
TPS11-162-S16-100T		16	16	100	30	2	ASMT11T3..	①	0.16
	TPS11-172-A16-150T	17		150	25				0.24
	TPS11-172-A16-200T			200	25				0.32
TPS11-203-S20-150T		20	20	150	30	3			0.37
	TPS11-213-A20-150T	21		150	30				0.37
	TPS11-213-A20-200T			200	30				0.49
TPS11-253-S25-150T		25	25	150	40	3			0.58
	TPS11-263-A25-150T	26		150	35				0.58
	TPS11-263-A25-200T			200	35				0.77
	TPS11-263-A25-250T			250	35				0.96
TPS17-252-S25-100		25	25	100	35	2	ASMT1705..	②	0.39
TPS17-252-S25-150				150	35				0.58
TPS17-252-S25-200				200	35				0.77
TPS17-252-S25-250				250	35				0.96
TPS17-323-S32-150		32	32	150	40	3			0.95
TPS17-323-S32-200				200	40				1.26
TPS17-323-S32-250				250	40				1.58

Insert	Spare parts	Screw	Wrench
ASMT11T3..	①	MS2506E	ETF08
ASMT1705..	②	MS4009A	ETF15
ASMT1705..	③	MS4011A	ETF15

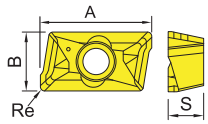
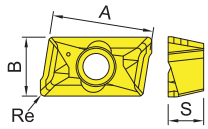




Inch

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
TPS17-R06305-25.4		63	25.4	50	13	5	ASMT1705..	③	0.80
TPS17-R08006-25.4		80	25.4	50	13	6			1.20
TPS17-R10007-31.75		100	31.75	50	45	7			1.51

被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M			
	Cast iron 鑄鐵	K	●		
	Non-ferrous metal 非鐵金屬	N			●

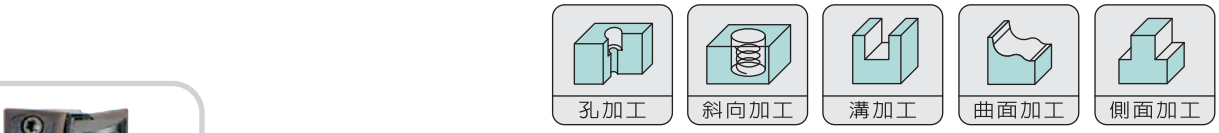
Insert Shape	Description	GRADE 材質 Coated 塗層			Dimensions,mm			
		AH120	T3130	KS05S	A	B	S	Re
	**ASMT11T304PDPR-MJ**	●	●		12.3	6.7	3.7	0.4
	ASGT11T304PDFR-AJ			○				0.4
	**ASMT170504PDPR-MJ**				16.9	9.8	5.6	0.4
	ASMT170508PDPR-MJ	●	●	○				0.8

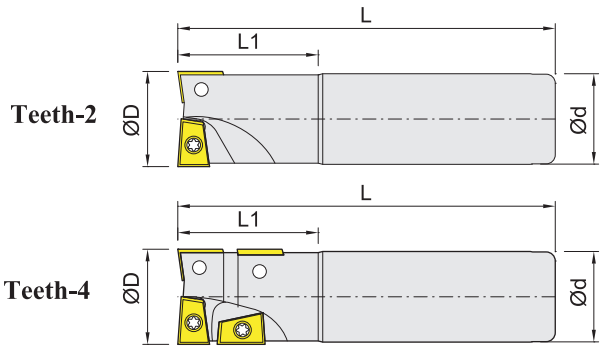
MEMO

鑽銑刀

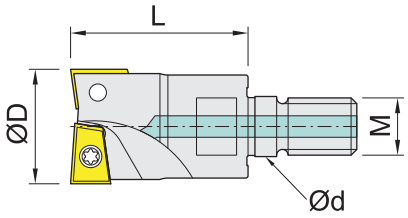
SHAN GIN

AQX 鑽銑刀
BORING & MILLING CUTTERS (AQX)





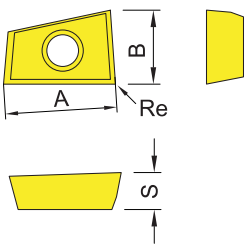
Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	L1				
AQXR162-S16-150	16	16	150	30	2	QO..0830R..	①	0.24
AQXR162-S16-200	16	16	200	30	2			0.32
AQXR172-S16-150	17	16	150	25	2			0.24
AQXR172-S16-200	17	16	200	25	2			0.32
AQXR202-S20-150	20	20	150	35	2	QO..1035R..	②	0.37
AQXR202-S20-200	20	20	200	35	2			0.49
AQXR212-S20-150	21	20	150	32	2			0.37
AQXR212-S20-200	21	20	200	32	2			0.49
AQXR252-S25-150	25	25	150	40	2	QO..1342R..	③	0.58
AQXR252-S25-200	25	25	200	40	2			0.77
AQXR252-S25-250	25	25	250	40	2			0.96
AQXR262-S25-150	26	25	150	30	2			0.58
AQXR262-S25-200	26	25	200	30	2			0.77
AQXR262-S25-250	26	25	250	30	2			0.96
AQXR322-S32-150	32	32	150	45	2	QO..1651R..	④	0.95
AQXR322-S32-200	32	32	200	45	2			1.26
AQXR322-S32-250	32	32	250	45	2			1.58
AQXR322-S32-300	32	32	300	45	2			1.89
AQXR332-S32-150	33	32	150	38	2			0.95
AQXR332-S32-200	33	32	200	38	2			1.26
AQXR332-S32-250	33	32	250	38	2			1.58
AQXR332-S32-300	33	32	300	38	2			1.89
AQXR334-S32-150	33	32	150	50	4			0.95
AQXR334-S32-200	33	32	200	50	4			1.26
AQXR334-S32-250	33	32	250	50	4			1.58
AQXR334-S32-300	33	32	300	50	4			1.89
AQXR402-S32-160	40	32	160	50	2	QO..2062R..	⑥	1.01



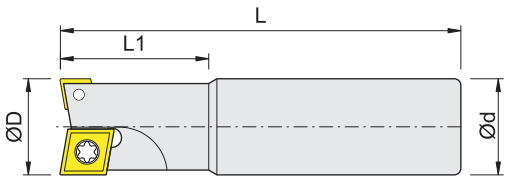
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
AQXR162-MD14	**AQXR162-AMD14**	16	8.5	25	M8	2	QO..0830R..	①	0.05
AQXR172-MD14	**AQXR172-AMD14**	17	8.5	25	M8	2			0.05
AQXR202-MD18	**AQXR202-AMD18**	20	10.5	32	M10	2	QO..1035R..	②	0.07
AQXR212-MD18	**AQXR212-AMD18**	21	10.5	32	M10	2			0.07
AQXR252-MD23	**AQXR252-AMD23**	25	12.5	35	M12	2	QO..1342R..	③	0.12
AQXR262-MD23	**AQXR262-AMD23**	26	12.5	35	M12	2			0.12
AQXR322-MD29	**AQXR322-AMD29**	32	17	43	M16	2	QO..1651R..	④	0.25
AQXR332-MD29	**AQXR332-AMD29**	33	17	43	M16	2			0.25
AQXR352-MD29	**AQXR352-AMD29**	35	17	43	M16	2	QO..1856R..	⑤	0.26

Insert	Spare parts	Screw	Wrench
QO..0830R..	①	MS2205A	ETF07
QO..1035R..	②	MS2506A	ETF09
QO..1342R..	③	MS3008A	ETF09
QO..1651R..	④	MS4009A	ETF15
QO..1856R..	⑤	MS4011G	ETF15
QO..2062R..	⑥	MS5011A	ETF20

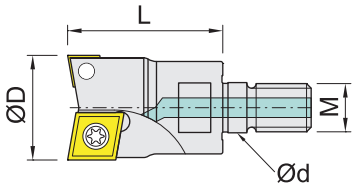
被切削材 Workpiece material					
	Steel 鋼	P	●	●	
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K		●	●
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質			Dimensions,mm			
		Coated 塗層		Cemented Carbide 硬質合金				
		NM749	NW948	NM304	A	B	S	Re
	**QOMT0830R-M2**	○	●		8.4	5.5	3.0	0.8
	QOMT1035R-M2	○	●		10.6	7.0	3.5	0.8
	QOMT1342R-M2	●	○		13.1	8.7	4.2	0.8
	QOMT1651R-M2	○	●		16.5	11.0	5.1	0.8
	QOMT1856R-M2	●	○		18.0	12.0	5.6	0.8
	QOMT2062R-M2	○	●		20.4	13.6	6.2	0.8
	QOGT0830R-G1		●	●	8.4	5.5	3.0	0.4
	QOGT1035R-G1		●	●	10.6	7.0	3.5	0.4
	QOGT1342R-G1		●	●	13.1	8.7	4.2	0.4
	QOGT1651R-G1		●	●	16.5	11.0	5.1	0.4
	QOGT1856R-G1		○		18.0	12.0	5.6	0.4
	QOGT2062R-G1		○		20.4	13.6	6.2	0.4

AJU 鑽銑刀
BORING & MILLING CUTTERS (AJU)



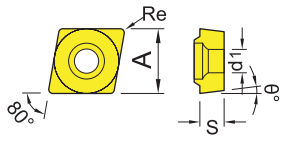
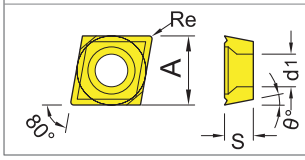
Item code	Dimensions,mm				Teeth	Insert		Spare parts	Weight Kg
	D	d	L	L1		On End	On Periphery		
C10-DM08-130	8	10	130	25	1	--	CCMT060204	①	0.08
C10-DM10-130	10	10	130	25	1			②	0.08
C10-DM10-150	10	10	150	25	1				0.09
C10-DM11-130	11	10	130	16	1				0.08
C10-DM11-150	11	10	150	16	1				0.09
C12-DM12-150	12	12	150	30	1	--	CPMT080204Z	③	0.13
C12-DM13-150	13	12	150	20	1				0.13
C16-DM16-150	16	16	150	30	2	CPMT080204Z	CCMT060204	④	0.24
C16-DM16-200	16	16	200	30	2				0.32
C16-DM17-150	17	16	150	25	2				0.24
C16-DM17-200	17	16	200	25	2				0.32
C20-DM20-150	20	20	150	30	2	CPMT090204Z	CCMT060204	⑤	0.37
C20-DM20-200	20	20	200	30	2				0.49
C20-DM21-150	21	20	150	30	2				0.37
C20-DM21-200	21	20	200	30	2				0.49
C25-DM25-150	25	25	150	40	2	CPMT120308Z	CPMT090308	⑥	0.58
C25-DM25-200	25	25	200	40	2				0.77
C25-DM25-250	25	25	250	40	2				0.96
C25-DM26-150	26	25	150	35	2				0.58
C25-DM26-200	26	25	200	35	2				0.77
C25-DM26-250	26	25	250	35	2				0.96
C32-DM32-150	32	32	150	40	2	CPMT160408Z	CPMT120408	⑦	0.95
C32-DM32-200	32	32	200	40	2				1.26
C32-DM32-250	32	32	250	40	2				1.58
C32-DM32-300	32	32	300	40	2				1.89
C32-DM33-150	33	32	150	40	2				0.95
C32-DM33-200	33	32	200	40	2				1.26
C32-DM33-250	33	32	250	40	2				1.58
C32-DM33-300	33	32	300	40	2				1.89



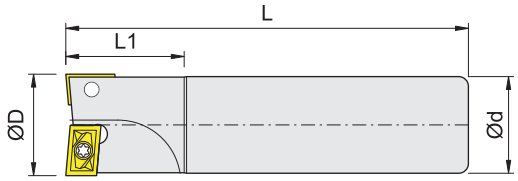
Item code		Dimensions,mm				Teeth	Insert		Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M		On End	On Periphery		
AJU16-MD14	**AJU16-AMD14**	16	8.5	28	M8	2	CPMT080204Z	CCMT060204	④	0.05
AJU17-MD14	**AJU17-AMD14**	17	8.5	28	M8	2				0.05
AJU20-MD18	**AJU20-AMD18**	20	10.5	32	M10	2	CPMT090204Z	CCMT060204	⑤	0.07
AJU21-MD18	**AJU21-AMD18**	21	10.5	32	M10	2				0.07
AJU25-MD23	**AJU25-AMD23**	25	12.5	38	M12	2	CPMT120308Z	CPMT090308	⑥	0.12
AJU26-MD23	**AJU26-AMD23**	26	12.5	38	M12	2				0.12
AJU32-MD29	**AJU32-AMD29**	32	17	43	M16	2	CPMT160408Z	CPMT120408	⑦	0.24
AJU33-MD29	**AJU33-AMD29**	33	17	43	M16	2				0.25

Insert		Spare parts	Screw	Screw	Wrench	Wrench
On End	On Periphery					
--	CCMT060204	①	MS2505C	--	ETF07	--
--	CCMT060204	②	MS2506C	--	ETF07	--
--	CPMT080204Z	③	MS2506C	--	ETF07	--
CPMT080204Z	CCMT060204	④	MS2506C	MS2506C	ETF07	--
CPMT090204Z	CCMT060204	⑤	MS3507A	MS2506C	ETF15	ETF07
CPMT120308Z	CPMT090308	⑥	MS4009A	MS4009A	ETF15	--
CPMT160408Z	CPMT120408	⑦	MS5011A	MS5011A	ETF20	--

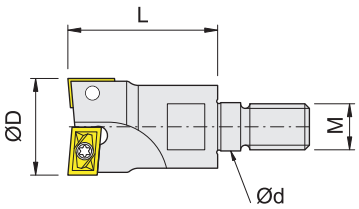
被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質		Dimensions,mm				
		Coated 塗層	Uncoated 無塗層					
		CY250	WH10	S	A	Re	d1	θ°
	**CCMT060204**	●		2.38	6.35	0.4	2.8	7
	CPMT090308	●	●	3.18	9.525	0.8	4.4	11
	CPMT120408	●	●	4.76	12.7	0.8	5.5	11
	**CPMT080204Z**	●	●	2.38	7.94	0.4	2.8	11
	CPMT090204Z	●	●	2.38	9.525	0.4	4	11
	CPMT120308Z	●	●	3.18	12.7	0.8	4.5	11
	CPMT160408Z	●	●	4.76	15.875	0.8	5.5	11

ASJ 鑽銑刀
BORING & MILLING CUTTERS (ASJ)



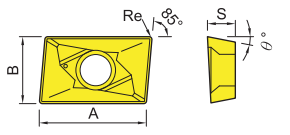
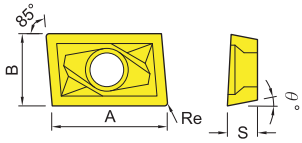
Item code	Dimensions,mm				Teeth		Insert		Spare parts	Weight Kg
	D	d	L	L1	End	Periphery	On End	On Periphery		
ASJ202-S20-150	20	20	150	25	1	1	ADMT1003..L	ACMT1003..R	①	0.37
ASJ202-S20-200	20	20	200	25	1	1				0.49
ASJ212-S20-150	21	20	150	25	1	1				0.37
ASJ212-S20-200	21	20	200	25	1	1				0.49
ASJ252-S25-150	25	25	150	30	1	1	ADMT12T3..L	APMT12T3..R	②	0.58
ASJ252-S25-200	25	25	200	30	1	1				0.77
ASJ262-S25-150	26	25	150	30	1	1				0.58
ASJ262-S25-200	26	25	200	30	1	1				0.77
ASJ262-S25-250	26	25	250	30	1	1				0.96
ASJ322-S32-150	32	32	150	40	1	1	APMT1604..L	APMT1504..R	③	0.95
ASJ322-S32-200	32	32	200	40	1	1				1.26
ASJ322-S32-250	32	32	250	40	1	1				1.58
ASJ332-S32-150	33	32	150	30	1	1				0.95
ASJ332-S32-200	33	32	200	30	1	1				1.26
ASJ332-S32-250	33	32	250	30	1	1				1.58
ASJ332-S32-300	33	32	300	30	1	1				1.89
ASJ352-S32-150	35	32	150	35	1	1	APMT1704..L	APMT1504..R	④	0.95
ASJ352-S32-200	35	32	200	35	1	1				1.26
ASJ352-S32-250	35	32	250	35	1	1				1.58
ASJ352-S32-300	35	32	300	35	1	1				1.89



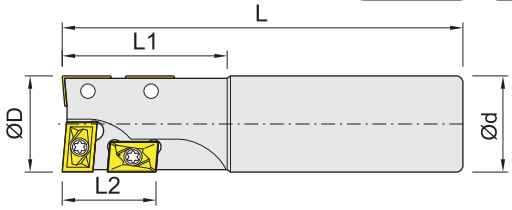
Item code	Dimensions,mm				Teeth		Insert		Spare parts	Weight Kg
	D	d	L	M	End	Periphery	On End	On Periphery		
ASJ202-MD18	20	10.5	30	M10	1	1	ADMT1003..L	ACMT1003..R	①	0.07
ASJ212-MD18	21	10.5	30	M10	1	1				0.07
ASJ252-MD23	25	12.5	35	M12	1	1	ADMT12T3..L	APMT12T3..R	②	0.12
ASJ262-MD23	26	12.5	35	M12	1	1				0.12
ASJ322-MD29	32	17	43	M16	1	1	APMT1604..L	APMT1504..R	③	0.22
ASJ332-MD29	33	17	43	M16	1	1				0.23
ASJ352-MD29	35	17	43	M16	1	1	APMT1704..L	APMT1504..R	④	0.24
ASJ402-MD29	40	17	43	M16	1	1	APMT1905..L	APMT1504..R	⑤	0.28

Insert		Spare parts	Screw	Wrench
On End	On Periphery			
ADMT1003..L	ACMT1003..R	①	MS2506A	ETF09
ADMT12T3..L	APMT12T3..R	②	MS3008A	ETF09
APMT1604..L	APMT1504..R	③	MS4011A	ETF15
APMT1704..L	APMT1504..R	④	MS4011A	ETF15
APMT1905..L	APMT1504..R	⑤	MS4011A	ETF15

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm				
		CY250	CY100H	A	B	S	Re	θ°
 外刃 Periphery Insert	**ACMT100308R**	●		10.10	6.35	3.40	0.8	7
	APMT12T308R	●	●	13.14	7.93	3.90	0.8	11
	APMT150408R	●	●	15.88	9.53	4.76	0.8	11
 底刃 End Insert	**ADMT100308L**	●		10.40	6.35	3.18	0.8	15
	ADMT12T308L	●		12.60	7.93	3.90	0.8	15
	APMT160408L	●	●	16.45	9.53	4.76	0.8	11
	APMT170408L	●	●	17.60	9.53	4.76	0.8	11
	APMT190508L	●		19.60	10.00	5.00	0.8	11

ASJ 鑽銑刀
BORING & MILLING CUTTERS (ASJ)

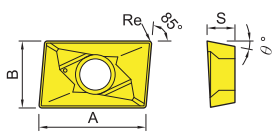
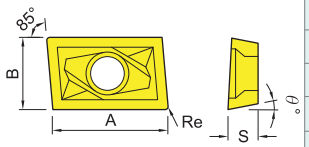


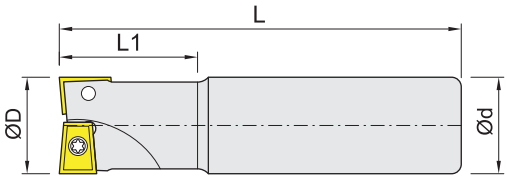
- 從盲孔直式鑽銑及橫式切削
- Mill without a pre-prepared hole and transverse cutting
- 底刃刀片角度大加工阻力輕
- Big angle design for bottom edge to reduce the cutting resistance
- 刀片為4刃，可做深粗銑加工
- Consists of 4 inserts to process deep milling

Item code	Dimensions,mm					Teeth		Insert		Spare parts	Weight Kg
	D	d	L	L1	L2	End	Periphery	On End	On Periphery		
ASJ204-S20-150	20	20	150	35	20	1	3	ADMT1003..L	ACMT1003..R	①	0.37
ASJ204-S20-200	20	20	200	35	20	1	3				0.49
ASJ214-S20-150	21	20	150	35	20	1	3				0.37
ASJ214-S20-200	21	20	200	35	20	1	3				0.49
ASJ254-S25-150	25	25	150	40	25	1	3	ADMT12T3..L	APMT12T3..R	②	0.58
ASJ254-S25-200	25	25	200	40	25	1	3				0.77
ASJ254-S25-250	25	25	250	40	25	1	3				0.96
ASJ264-S25-150	26	25	150	40	25	1	3				0.58
ASJ264-S25-200	26	25	200	40	25	1	3				0.77
ASJ264-S25-250	26	25	250	40	25	1	3				0.96
ASJ324-S32-150	32	32	150	50	35	1	3	APMT1604..L	APMT1504..R	③	0.95
ASJ324-S32-200	32	32	200	50	35	1	3				1.26
ASJ324-S32-250	32	32	250	50	35	1	3				1.58
ASJ324-S32-300	32	32	300	50	35	1	3				1.89
ASJ334-S32-150	33	32	150	50	35	1	3				0.95
ASJ334-S32-200	33	32	200	50	35	1	3				1.26
ASJ334-S32-250	33	32	250	50	35	1	3				1.58
ASJ354-S32-150	35	32	150	60	35	1	3	APMT1704..L	APMT1504..R	④	0.95
ASJ354-S32-200	35	32	200	60	35	1	3				1.26
ASJ354-S32-250	35	32	250	60	35	1	3				1.58
ASJ354-S32-300	35	32	300	60	35	1	3				1.89

Insert		Spare parts	Screw	Wrench
On End	On Periphery			
ADMT1003..L	ACMT1003..R	①	MS2506A	ETF09
ADMT12T3..L	APMT12T3..R	②	MS3008A	ETF09
APMT1604..L	APMT1504..R	③	MS4011A	ETF15
APMT1704..L	APMT1504..R	④	MS4011A	ETF15

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		

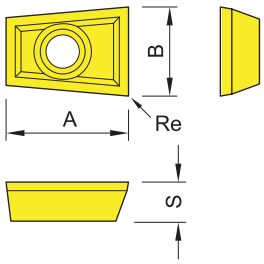
Insert Shape	Description	GRADE 材質 / Coated 塗層		Dimensions,mm				
		CY250	CY100H	A	B	S	Re	θ°
 外刃 Periphery Insert	**ACMT100308R**	●		10.10	6.35	3.40	0.8	7
	APMT12T308R	●	●	13.14	7.93	3.90	0.8	11
	APMT150408R	●	●	15.88	9.53	4.76	0.8	11
 底刃 End Insert	**ADMT100308L**	●		10.40	6.35	3.18	0.8	15
	ADMT12T308L	●		12.60	7.93	3.90	0.8	15
	APMT160408L	●	●	16.45	9.53	4.76	0.8	11
	APMT170408L	●	●	17.60	9.53	4.76	0.8	11
	APMT190508L	●		19.60	10.00	5.00	0.8	11

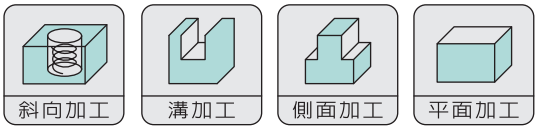


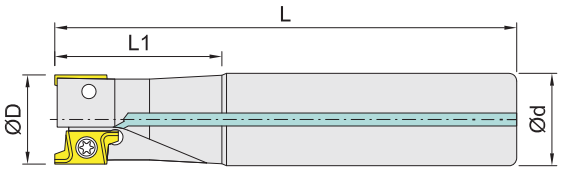
Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	L1				
PG20-S20-150	20	20	150	30	2	PG100308N-81	①	0.37
PG20-S20-200	20	20	200	30	2			0.49
PG21-S20-150	21	20	150	25	2			0.37
PG21-S20-200	21	20	200	25	2			0.49
PG25-S25-200	25	25	200	40	2	PG130408N-81	②	0.77
PG26-S25-200	26	25	200	30	2			0.77
PG32-S32-200	32	32	200	45	2	PG160408N-81	③	1.26
PG32-S32-250	32	32	250	45	2			1.58
PG33-S32-150	33	32	150	35	2			0.95
PG33-S32-200	33	32	200	35	2			1.26
PG33-S32-250	33	32	250	35	2			1.58

Insert	Spare parts	Screw	Wrench
PG100308N-81	①	MS2506A	ETF09
PG130408N-81	②	MS3008A	ETF09
PG160408N-81	③	MS4011A	ETF15

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	●

Insert Shape	Description	GRADE 材質 / Coated 塗層 / 5020	Dimensions,mm A	B	S	Re
	**PG100308N-81**		10.5	7.5	3.4	0.8
	PG130408N-81	●	13	9.4	4.5	0.8
	PG160408N-81		16.52	11.4	4.76	0.8



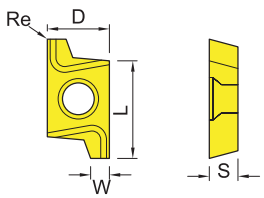


Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
RT07-D061-S10-100		6	10	100	20	1	RT-0702 ..	①	0.06
RT07-D081-S10-100		8	10	100	20	1			0.06
RT07-D091-S10-100		9	10	100	20	1			0.06
RT07-D102-S10-100	RT07-D102-A10-100	10	10	100	25	2		②	0.06
RT07-D102-S10-150		10	10	150	25	2			0.09
RT07-D112-S10-100		11	10	100	20	2			0.06
RT07-D112-S10-150		11	10	150	20	2			0.09
RT07-D122-S12-100		12	12	100	25	2	RT-0702 ..	②	0.09
RT07-D122-S12-150	RT07-D122-A12-150	12	12	150	25	2			0.13
RT07-D132-S12-100		13	12	100	20	2			0.09
RT07-D132-S12-150		13	12	150	20	2			0.13
RT07-D163-S16-150		16	16	150	30	3			0.24
RT07-D163-S16-200		16	16	200	30	3			0.32
RT07-D173-S16-150		17	16	150	25	3			0.24
RT07-D173-S16-200		17	16	200	25	3			0.32
RT07-D204-S20-150		20	20	150	35	4			0.37
RT07-D204-S20-200		20	20	200	35	4			0.49
RT07-D214-S20-150		21	20	150	25	4			0.37
RT07-D214-S20-200		21	20	200	25	4			0.49
RT10-D162-S16-150		16	16	150	30	2	RT-1003 ..	③	0.24
RT10-D162-S16-200		16	16	200	30	2			0.32
RT10-D172-S16-150		17	16	150	25	2			0.24
RT10-D172-S16-200		17	16	200	25	2			0.32
RT10-D202-S20-150		20	20	150	35	2			0.37
RT10-D202-S20-200	RT10-D202-A20-200	20	20	200	35	2			0.49
RT10-D203-S20-150	RT10-D203-A20-150	20	20	150	35	3			0.37
RT10-D203-S20-200		20	20	200	35	3			0.49
RT10-D212-S20-150		21	20	150	30	2			0.37
RT10-D212-S20-200		21	20	200	30	2			0.49
RT10-D213-S20-150		21	20	150	30	3			0.37
RT10-D213-S20-200		21	20	200	30	3			0.49
RT10-D252-S25-150		25	25	150	40	2			0.58
RT10-D252-S25-200		25	25	200	40	2			0.77
RT10-D253-S25-150		25	25	150	40	3			0.58
RT10-D253-S25-200		25	25	200	40	3			0.77
RT10-D253-S25-250		25	25	250	40	3			0.96
RT10-D262-S25-150		26	25	150	30	2			0.58
RT10-D262-S25-200		26	25	200	30	2			0.77
RT10-D263-S25-150		26	25	150	30	3			0.58
RT10-D263-S25-200		26	25	200	30	3			0.77
RT10-D263-S25-250		26	25	250	30	3			0.96

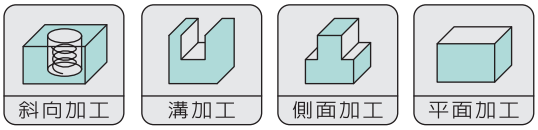
Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	L1				
RT10-D324-S32-150	32	32	150	40	4	RT-1003 ..	③	0.95
RT10-D324-S32-200	32	32	200	40	4			1.26
RT10-D324-S32-250	32	32	250	40	4			1.58
RT10-D324-S32-300	32	32	300	40	4			1.89
RT10-D325-S32-150	32	32	150	40	5			0.95
RT10-D325-S32-200	32	32	200	40	5			1.26
RT10-D325-S32-250	32	32	250	40	5			1.58
RT10-D325-S32-300	32	32	300	40	5			1.89
RT10-D334-S32-150	33	32	150	35	4			0.95
RT10-D334-S32-200	33	32	200	35	4			1.26
RT10-D334-S32-250	33	32	250	35	4			1.58
RT10-D334-S32-300	33	32	300	35	4			1.89
RT10-D335-S32-150	33	32	150	35	5			0.95
RT10-D335-S32-200	33	32	200	35	5			1.26
RT10-D335-S32-250	33	32	250	35	5			1.58
RT10-D335-S32-300	33	32	300	35	5			1.89
RT10-D354-S32-150	35	32	150	35	4			0.95
RT10-D354-S32-200	35	32	200	35	4			1.26
RT10-D354-S32-250	35	32	250	35	4			1.58
RT10-D354-S32-300	35	32	300	35	4			1.89
RT10-D355-S32-150	35	32	150	35	5			0.95
RT10-D355-S32-200	35	32	200	35	5			1.26
RT10-D355-S32-250	35	32	250	35	5			1.58
RT10-D355-S32-300	35	32	300	35	5			1.89
RT13-202-S20-150	20	20	150	30	2	RT-1304 ..	④	0.37
RT13-202-S20-200	20	20	200	30	2			0.49
RT13-253-S25-150	25	25	150	40	3			0.58
RT13-253-S25-200	25	25	200	40	3			0.77
RT13-324-S32-150	32	32	150	40	4			0.95
RT13-324-S32-200	32	32	200	40	4			1.26

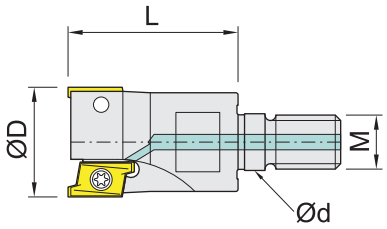
Insert	Spare parts	Screw	Wrench
RT-0702 ..	①	MS2004A	ETF06
RT-0702 ..	②	MS2005A	ETF06
RT-1003 ..	③	MS2506B	ETF09
RT-1304 ..	④	MS3008A	ETF09

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N	●	

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm				
		5020	2003	D	S	L	Re	W
	RT070204 R-11	●	○	4.3	2.38	6.4	0.4	1.1
	RT070204 R-81	●	○	4.3	2.38	6.4	0.4	1.1
	RT100304 R-81	●		6.35	3.4	9.1	0.4	1.6
	RT100308 R-81	○		6.35	3.4	9.1	0.8	1.6
	RT130408 R-41	●	○	7.94	4.5	12.1	0.8	2.6
	RT130408 R-81	●	○	7.94	4.5	12.1	0.8	2.6

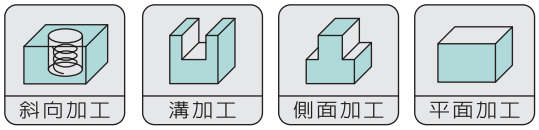
RT 鑽銑刀
BORING & MILLING CUTTERS (RT)

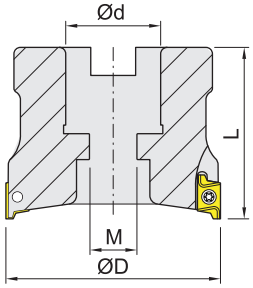




Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
RT07-D091-MD08		9	4.5	18	M4	1	RT-0702 ..	①	0.02
RT07-D102-MD10		10	5.5	18	M5	2		②	0.02
RT07-D112-MD10	**RT07-D112-AMD10**	11	5.5	18	M5	2			0.02
RT07-D122-MD11		12	6.5	20	M6	2	RT-0702 ..	②	0.03
RT07-D132-MD11	**RT07-D132-AMD11**	13	6.5	20	M6	2			0.03
RT07-D163-MD14	**RT07-D163-AMD14**	16	8.5	23	M8	3			0.04
RT07-D173-MD14	**RT07-D173-AMD14**	17	8.5	23	M8	3			0.04
RT07-D204-MD18		20	10.5	30	M10	4			0.08
RT07-D214-MD18	**RT07-D214-AMD18**	21	10.5	30	M10	4			0.08
RT10-D162-MD14	**RT10-D162-AMD14**	16	8.5	30	M8	2	RT-1003 ..	③	0.05
RT10-D172-MD14		17	8.5	30	M8	2			0.05
RT10-D202-MD18		20	10.5	30	M10	2			0.07
RT10-D203-MD18		20	10.5	30	M10	3			0.07
RT10-D212-MD18		21	10.5	30	M10	2			0.07
RT10-D213-MD18		21	10.5	30	M10	3			0.07
RT10-D253-MD23		25	12.5	35	M12	3			0.12
RT10-D263-MD23		26	12.5	35	M12	3			0.12
RT10-D264-MD23		26	12.5	35	M12	4			0.15
RT10-D324-MD29		32	17	43	M16	4			0.24
RT10-D325-MD29		32	17	43	M16	5			0.23
RT10-D334-MD29		33	17	43	M16	4			0.25
RT10-D335-MD29		33	17	43	M16	5			0.24
RT10-D354-MD29		35	17	43	M16	4			0.26
RT10-D355-MD29		35	17	43	M16	5			0.25
RT10-D425-MD29	**RT10-D425-AMD29**	42	17	43	M16	5			0.29

Insert	Spare parts	Screw	Wrench
RT-0702 ..	①	MS2004A	ETF06
RT-0702 ..	②	MS2005A	ETF06
RT-1003 ..	③	MS2506B	ETF09
RT-1304 ..	④	MS3008A	ETF09





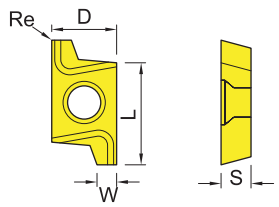
Metric

Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	M				
RT10-D504-22.0	50	22.0	40	11	4	RT-1003 ..	③	0.40
RT10-D504-22.0-50H	50	22.0	50	11	4			0.49
RT10-D506-22.0	50	22.0	40	11	6			0.39
RT10-D507-22.0	50	22.0	40	11	7			0.39
RT13-04005-16.0	40	16.0	40	9	5	RT-1304 ..	④	0.25
RT13-05006-22.0	50	22.0	40	11	6			0.49
RT13-06307-22.0	63	22.0	40	11	7			0.79

Inch

Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	M				
RT10-D634-25.4	63	25.4	50	13	4	RT-1003 ..	③	0.83
RT10-D636-25.4	63	25.4	50	13	6			0.79
RT10-D664-25.4	66	25.4	50	13	4			0.83
RT10-D666-25.4	66	25.4	50	13	6			0.80

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N	●	

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm				
		5020	2003	D	S	L	Re	W
	**RT070204 R-11**	●	○	4.3	2.38	6.4	0.4	1.1
	RT070204 R-81	●	○	4.3	2.38	6.4	0.4	1.1
	RT100304 R-81	●		6.35	3.4	9.1	0.4	1.6
	RT100308 R-81	○	○	6.35	3.4	9.1	0.8	1.6
	RT130408 R-41	●	○	7.94	4.5	12.1	0.8	2.6
	RT130408 R-81	●	○	7.94	4.5	12.1	0.8	2.6

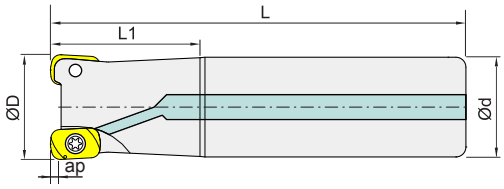
MEMO

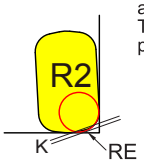
SHAN GIN

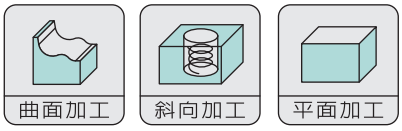
高進給銑刀

HIGH FEED MILLING

ATN 高進給銑刀
HIGH FEED MILLING (ATN)







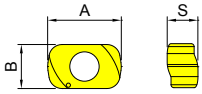
編製CAM程序時，請將ATN設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量

When using the ATN , please program the approximate radius as indicated.
The approximate uncut portions for the program are as follows.

刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
ENMU06	2.0	0.2

Item code 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,mm D	d	L	L1	ap	Teeth	Insert	Spare parts	Weight Kg
ATN06-162-S16-150T	**ATN06-162-A16-150T**	16	16	150	30	1.0	2	ENMU06...	①	0.24
ATN06-162-S16-200T		16		200						0.32
ATN06-172-S16-150T		17		150						0.24
ATN06-172-S16-200T	**ATN06-172-A16-200T**	17		200						0.31
ATN06-203-S20-150T	**ATN06-203-A20-150T**	20	20	150	35		3			0.37
ATN06-203-S20-200T		20		200						0.49
ATN06-213-S20-150T		21		150	30					0.37
ATN06-213-S20-200T	**ATN06-213-A20-200T**	21		200						0.49
ATN06-254-S25-150T		25	25	150	35		4			0.58
ATN06-254-S25-200T		25		200						0.77
ATN06-264-S25-150T		26		150						0.58
ATN06-264-S25-200T		26		200						0.77
	ATN06-264-A25-250T	26		250						0.95

被切削材 Workpiece material					
Steel 鋼	P	●	●	
Stainless steel 不銹鋼	M		●	
Cast iron 鑄鐵	K	●	●	
Non-ferrous metal 非鐵金屬	N			●
Hardened steel 高硬度材	H	●		

Insert Shape	Description	GRADE 材質 Coated 塗層 JP4120	MW915	MW913	Dimensions,mm A	B	S	Re
	**ENMU0603ER-B**	●			10	6	4.2	--
	ENMU0603ER-C	●						
	ENMU060318ER-B		●	●				

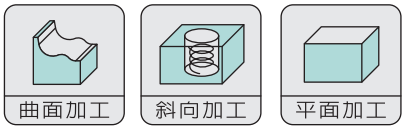


FIG-1

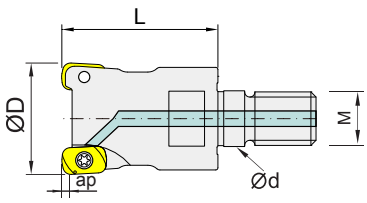


FIG-2

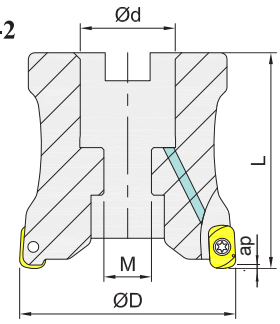


FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
ATN06-162-MD14	ATN06-162-AMD14	16	8.5	25	M8	1.0	2	ENMU06...	①	0.05
ATN06-172-MD14	ATN06-172-AMD14	17					2			0.05
ATN06-203-MD18	ATN06-203-AMD18	20	10.5	30	M10		3			0.07
ATN06-213-MD18	ATN06-213-AMD18	21					3			0.07
ATN06-254-MD23	ATN06-254-AMD23	25	12.5	35	M12		4			0.12
ATN06-264-MD23	ATN06-264-AMD23	26					4			0.12
	ATN06-325-AMD29	32	17	40	M16		5			0.26
	ATN06-355-AMD29	35					5			0.26
	ATN06-426-AMD29	42					6			0.29

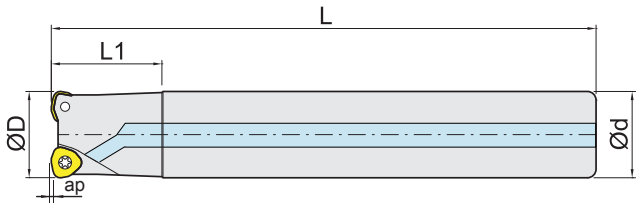
Metric

FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
ATN06-04006-16.0T	ATN06-04006-A16.0T	40	16.0	40	8.5	1.0	6	ENMU06...	①	0.24
NEW	ATN06-04206-A16.0T	42					6			0.28
NEW ATN06-05005-22.0T		50	22.0	50	11	1.0	5			0.47
ATN06-05007-22.0T	ATN06-05007-A22.0T	50					7			0.57
NEW	ATN06-05207-A22.0T	52					7			0.51
NEW	ATN06-06308-A27.0T	63	27.0	50	13	1.0	8			0.78

Insert	Spare parts	Screw	Wrench
ENMU06...	①	MS2506E	ETF08

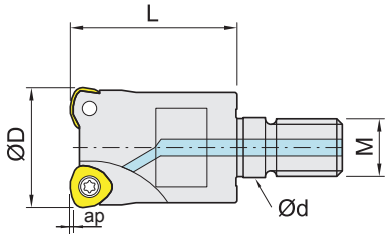
AJX 高進給銑刀
HIGH FEED MILLING (AJX)

斜向加工 | 曲面加工 | 平面加工



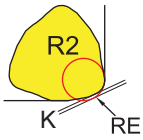
Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1	ap				
AJX06-162-S16-150		16	16	150	30	0.6	2	JO..06T2…	①	0.24
AJX06-162-S16-200		16	16	200	30		2			0.32
AJX06-172-S16-150		17	16	150	20		2			0.24
AJX06-172-S16-200		17	16	200	20		2			0.32
AJX06-203-S20-150		20	20	150	30		3			0.37
AJX06-223-S20-150		22	20	150	25		3			0.37
AJX08-202-S20-150		20	20	150	30	0.9	2	JO..0803…	②	0.37
AJX08-202-S20-200		20	20	200	30		2			0.49
AJX08-212-S20-150		21	20	150	20		2			0.37
AJX08-212-S20-200		21	20	200	20		2			0.49
AJX08-222-S20-150		22	20	150	25		2			0.37
AJX08-222-S20-200		22	20	200	25		2			0.49
AJX08-253-S25-150	**AJX08-253-A25-150**	25	25	150	35		3			0.58
AJX08-253-S25-200		25	25	200	35		3			0.77
AJX08-263-S25-150	**AJX08-263-A25-150**	26	25	150	30		3			0.58
AJX08-263-S25-200		26	25	200	30		3			0.77
AJX08-353-S32-150		35	32	150	30		3			0.95
AJX08-353-S32-200		35	32	200	30		3			1.26
AJX12-322-S32-150		32	32	150	45	1.2	2	JD..1204…	④	0.95
AJX12-322-S32-200		32	32	200	45		2			1.26
AJX12-322-S32-250		32	32	250	45		2			1.58
AJX12-332-S32-150		33	32	150	45		2			0.95
AJX12-332-S32-200		33	32	200	45		2			1.26
AJX12-332-S32-250		33	32	250	45		2			1.58
AJX12-403-S32-150		40	32	150	35		3			0.95
AJX12-403-S32-200		40	32	200	35		3			1.26
AJX12-403-S32-250		40	32	250	35		3			1.58
AJX12-403-S32-300		40	32	300	35		3			1.89
AJX12-403-S42-150		40	42	150	70		3			1.63
AJX12-403-S42-200		40	42	200	70		3			2.18

Insert	Spare parts	Screw	Wrench	Clamp	Wrench
JO..06T2…	①	MS2506B	ETF09	--	--
JO..0803…	②	MS3008A	ETF09	--	--
JD..09T3…	③	MS3509B	--	MC35-3V	ETF15
JD..1204…	④	MS4011G	--	MC35-3V	ETF15



編製CAM程序時，請將AJX設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量

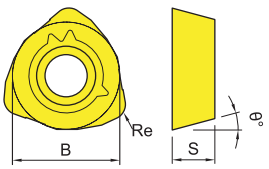
When using the AJX, please program the approximate radius as indicated. The approximate uncut portions for the program are as follows.



刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
6	2.0	0.33
8	2.5	0.46
12	3.0	0.63
14	3.0	0.64

Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
AJX06-162-MD14	**AJX06-162-AMD14**	16	8.5	25	M8	0.6	2	JO..06T2...	①	0.04
AJX06-172-MD14	**AJX06-172-AMD14**	17					2			0.04
AJX06-203-MD18	**AJX06-203-AMD18**	20	10.5	30	M10		3			0.08
	AJX08-202-AMD18	20	10.5	30	M10	0.9	2	JO..0803...	②	0.08
AJX08-212-MD18		21					2			0.08
AJX08-253-MD23	**AJX08-253-AMD23**	25	12.5	35	M12		3			0.12
AJX08-263-MD23	**AJX08-263-AMD23**	26					3			0.13
AJX08-283-MD23	**AJX08-283-AMD23**	28					3			0.13
AJX08-323-MD29	**AJX08-323-AMD29**	32	17	43	M16		3			0.27
AJX08-333-MD29	**AJX08-333-AMD29**	33					3			0.27
AJX08-353-MD29	**AJX08-353-AMD29**	35					3			0.27
AJX09-252-MD23	**AJX09-252-AMD23**	25	12.5	35	M12	1.2	2	JD..09T3...	③	0.12
AJX12-352-MD29		35	17	43	M16	1.2	2	JD..1204...	④	0.25
AJX12-403-MD29	**AJX12-403-AMD29**	40					3			0.25

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N		
	Hardened steel 高硬度材	H		●

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm				
		NW948	JP4120	A	B	S	Re	θ°
	**JOMT06T215ZZSR-JM**	●			6.35	2.78	1.5	13
	JOMT080320ZZSR-JM	●			8.00	3.18	2.0	13
	JDMT09T320ZDSR-JM	●			9.525	3.97	2.0	15
	JDMT120420ZDSR-JM	●			12.00	4.76	2.0	15
	JDMW140520ZDSR-FT	●			14.00	5.56	2.0	15
	WDNW120420		○		12.00	4.76	2.0	15
	WDNT140520		○		14.00	5.56	2.0	15

AJX 高進給銑刀
HIGH FEED MILLING (AJX)

斜向加工 | 曲面加工 | 平面加工

FIG-1

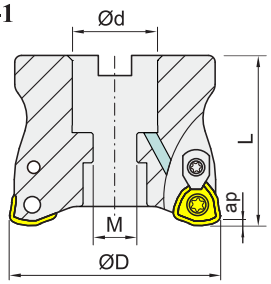
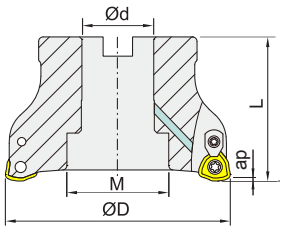


FIG-2



Metric

FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
	AJX09-052A05R-A22.0	52	22.0	50	11	1.2	5	JD..09T3..	①	0.37
AJX12-050A03R-22.0		50	22.0	50	11	1.2	3	JD..1204..	②	0.46
AJX12-050A04R-22.0	**AJX12-050A04R-A22.0**	50					4			0.41
	AJX12-052A04R-A22.0	52					4			0.43
AJX12-063A04R-22.0		63					4			0.76
AJX14-063A04R-22.0		63	22.0	50	11	1.2	4	JD..1405..	③	0.69

Inch

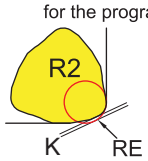
FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
AJX12-06304CR-25.4		63	25.4	50	13	1.2	4	JD..1204..	②	0.74
AJX12-06305CR-25.4		63					5			0.70
AJX12-06604CR-25.4		66					4			0.78
AJX12-08004CR-25.4		80					4			1.08
AJX12-08006CR-25.4		80					6			1.06
AJX12-10007R-31.75※	**AJX12-10007R-A31.75※**	100	31.75	63	45		7			2.61
AJX14-06304CR-25.4		63	25.4	50	13	1.2	4	JD..1405..	③	0.67
AJX14-06604CR-25.4		66					4			0.74
AJX14-08004DR-31.75		80	31.75	63	17		4			1.49
AJX14-10005DR-31.75		100					5			2.61

※表示參考FIG-2 （※ Refer to FIG-2 ）

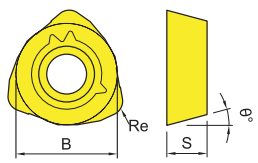
Insert	Spare parts	Screw	Wrench	Clamp	Wrench
JD..09T3…	①	MS3509B	--	MC35-3V	ETF15
JD..1204…	②	MS4011G	--	MC35-3V	ETF15
JD..1405…	③	MS5011A	--	MC50V	ETF20

被切削材 Workpiece material				
Steel 鋼	P	●	●
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K	●	●
Non-ferrous metal 非鐵金屬	N		
Hardened steel 高硬度材	H		●

編製CAM程序時，請將AJX設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量
When using the AJX, please program the approximate radius as indicated. The approximate uncut portions for the program are as follows.



刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
6	2.0	0.33
8	2.5	0.46
12	3.0	0.63
14	3.0	0.64

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm				
		NW948	JP4120	A	B	S	Re	θ°
	**JDMT09T320ZDSR-JM**	●			9.525	3.97	2.0	15
	JDMT120420ZDSR-JM	●			12.00	4.76	2.0	15
	JDMW140520ZDSR-FT	●			14.00	5.56	2.0	15
	WDNW120420		○		12.00	4.76	2.0	15
	WDNT140520		○		14.00	5.56	2.0	15

斜向加工 | 曲面加工 | 平面加工

FIG-1

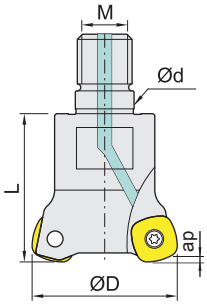


FIG-2

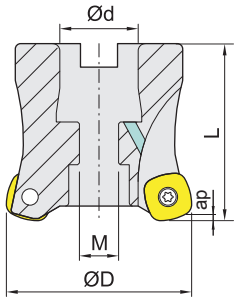


FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
ASRF4-322-MD29	**ASRF4-322-AMD29**	32	17.0	43	M16	2.0	2	SD..1205..	①	0.22
ASRF4-353-MD29	**ASRF4-353-AMD29**	35					3			0.23
ASRF4-404-MD29	**ASRF4-404-AMD29**	40					4			0.24
ASRF4-424-MD29	**ASRF4-424-AMD29**	42					4			0.26

Metric

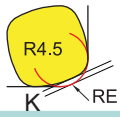
FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
ASRF4-424-16.0※	**ASRF4-424-A16.0※**	42	16.0	40	9	2.0	4	SD..1205..	①	0.23
ASRF4-504-22.0	**ASRF4-504-A22.0**	50	22.0	50	11		4			0.43
ASRF4-505-22.0	**ASRF4-505-A22.0**	50					5			0.37
ASRF4-524-22.0	**ASRF4-524-A22.0**	52					4			0.41
ASRF4-525-22.0	**ASRF4-525-A22.0**	52					5			0.44
ASRF4-634-22.0	**ASRF4-634-A22.0**	63					4			0.61
ASRF4-635-22.0	**ASRF4-635-A22.0**	63					5			0.61
ASRF4-634-27.0	**ASRF4-634-A27.0**	63	27.0	50	13		4			0.67
ASRF4-635-27.0	**ASRF4-635-A27.0**	63					5			0.68
ASRF4-666-27.0	**ASRF4-666-A27.0**	66					6			0.75
ASRF4-805-27.0	**ASRF4-805-A27.0**	80					5			1.09
ASRF4-806-27.0	**ASRF4-806-A27.0**	80					6			1.09
ASRF4-807-27.0	**ASRF4-807-A27.0**	80					7			1.22
	ASRF4-10007-A32.0	100	32.0	63	18		7			1.76

※表示另附刀把螺絲HTM833HS （※ The mill equips with a cap screw HTM833HS ）

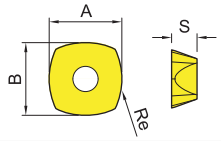
Insert	Spare parts	Screw	Wrench
SD..1205..	①	MS4011G	ETF15

被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M		●
Cast iron 鑄鐵	K	●	
Non-ferrous metal 非鐵金屬	N		
Hardened steel 高硬度材	H		●

編製CAM程序時，請將ASRF4設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量
When using the ASRF4, please program the approximate radius as indicated.
The approximate uncut portions for the program are as follows.



刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
SD..-15	4.5	0.83

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm			
		CY250	JP4120	A	B	S	Re
	**SDNW1205ZDTN-R15**	●	○	12.7	12.7	5.56	15
	SDMT1205ZDTN-R15	●	○				

ASR 高進給銑刀
HIGH FEED MILLING (ASR)

FIG-1

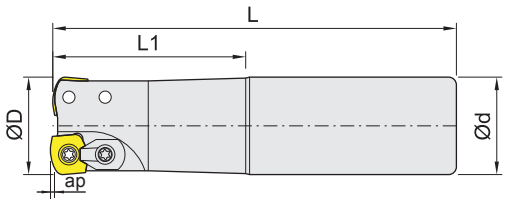


FIG-2

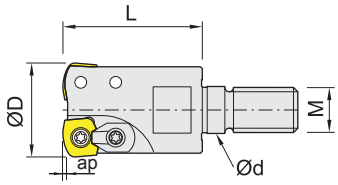
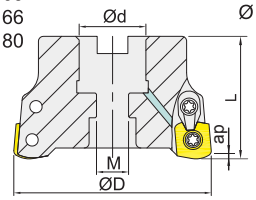


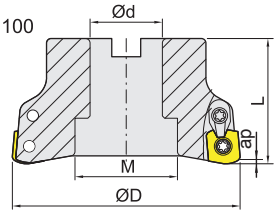
FIG-1 Item code	Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
	D	d	L	L1	ap				
ASR20-S20-150	20	20	150	40	2.0	2	EPNW0803TN-10	①	0.37
ASR20-S20-200	20	20	200	40		2			0.49
ASR25-S25-150	25	25	150	50	2.0	2	EDNW10T3TN-10	②	0.58
ASR25-S25-200	25	25	200	50		2			0.77
ASR25-S25-250	25	25	250	50		2			0.96
ASR35S-S32-150	35	32	150	40		3			0.95
ASR35S-S32-200	35	32	200	40		3			1.26
ASR35S-S32-250	35	32	250	40		3			1.58
ASR32-S32-150	32	32	150	50	2.0	2	EDNW13T4TN-10	③	0.95
ASR32-S32-200	32	32	200	50		2			1.26
ASR32-S32-250	32	32	250	50		2			1.58
ASR35-S32-150	35	32	150	40		2			0.95
ASR35-S32-200	35	32	200	40		2			1.26
ASR35-S32-250	35	32	250	40		2			1.58
ASR35-S32-300	35	32	300	40		2			1.89

FIG-2 Item code	Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
	D	d	L	M	ap				
ASR20-MD18	20	10.5	30	M10	2.0	2	EPNW0803TN-10	①	0.07
ASR25-MD23	25	12.5	35	M12		2	EDNW10T3TN-10	②	0.12
ASR35-MD29	35	17	43	M16		2	EDNW13T4TN-10	③	0.22

Ø 50
Ø 63
Ø 66
Ø 80

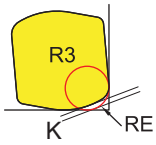


Ø 100



編製CAM程序時，請將ASR設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量

When using the ASR, please program the approximate radius as indicated. The approximate uncut portions for the program are as follows.



刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
ED…-10	3.0	0.7
ED…-15	2.0	0.6
EP…-10	3.0	0.236

Metric

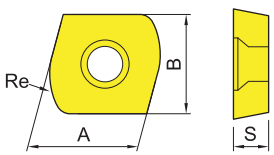
Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
ASR504-22.0	**ASR504-A22.0**	50	22.0	50	11	2.0	4	EDNW13T4TN-10	③	0.39
ASR664S-27.0		66	27.0	50	13		4			0.61
ASR804S-27.0		80					4			0.99
ASR805S-27.0		80					5			0.98
ASR633-22.0		63	22.0	50	11	2.0	3	EDNW15T4TN-10	④	0.69
ASR634-22.0		63					4			0.55
ASR804-27.0		80	27.0	50	13		4			0.99
ASR805-27.0		80					5			0.91

Inch

Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
ASR634S-25.4		63	25.4	50	13	2.0	4	EDNW13T4TN-10	③	0.57
ASR664S-25.4		66					4			0.63
ASR805SB-25.4		80					5			1.00
ASR634-25.4		63	25.4	50	13	2.0	4	EDNW15T4TN-10	④	0.52
ASR664-25.4		66					4			0.58
ASR804-25.4		80					4			1.00
ASR805-25.4		80					5			0.95
ASR1006-31.75		100	31.75	50	45		6			1.47

Insert	Spare parts	Screw	Clamp	Wrench
EPNW0803TN-10	①	MS3507A	MC35-3V	ETF15
EDNW10T3TN-10	②	MS4009B	MC35-3V	ETF15
EDNW13T4TN-10	③	MS5011A	MC50V	ETF20
EDNW15T4TN-10	④	MS5011A	MC50V	ETF20

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	
	Non-ferrous metal 非鐵金屬	N	

Insert Shape	Description	GRADE 材質 Coated 塗層 CY250	Dimensions,mm A	B	S	Re
	**EPNW0803TN-10**	●	8.1	7.94	3.18	10
	EDNW10T3TN-10	●	10.0	10.00	3.97	10
	EDNW13T4TN-10	●	13.5	12.70	5.56	10
	EDNW15T4TN-10	●	15.0	14.00	5.56	10
	EDNW13T4TN-15	○	13.5	12.70	5.56	15
	EDNW15T4TN-15	○	15.0	14.00	5.56	15

ASRS 高進給銑刀
HIGH FEED MILLING (ASRS)

斜向加工 | 曲面加工 | 平面加工

FIG-1

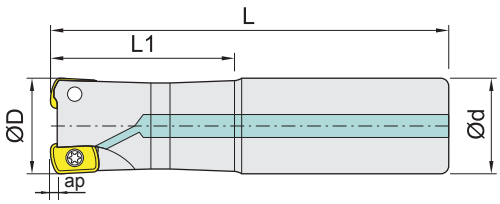


FIG-2

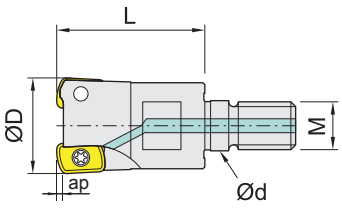


FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1	ap				
ASRS162-S16-150	**ASRS162-A16-150**	16	16	150	25	1.5	2	EPMT0603TN-8	②	0.24
ASRS162-S16-200	**ASRS162-A16-200**	16	16	200	25		2			0.32
ASRS172-S16-150	**ASRS172-A16-150**	17	16	150	25		2			0.24
ASRS172-S16-200		17	16	200	25		2			0.32
ASRS203-S20-150	**ASRS203-A20-150**	20	20	150	40		3			0.37
ASRS203-S20-200	**ASRS203-A20-200**	20	20	200	40		3			0.49
ASRS213-S20-150	**ASRS213-A20-150**	21	20	150	30		3			0.37
ASRS213-S20-200	**ASRS213-A20-200**	21	20	200	30		3			0.49
ASRS233-S20-150		23	20	150	28		3			0.37
ASRS254-S25-150	**ASRS254-A25-150**	25	25	150	40		4			0.58
ASRS254-S25-200	**ASRS254-A25-200**	25	25	200	40		4			0.77
ASRS264-S25-150	**ASRS264-A25-150**	26	25	150	35		4			0.58
ASRS264-S25-200	**ASRS264-A25-200**	26	25	200	35		4			0.77
ASRS324-S32-150		32	32	150	45		4			0.95
ASRS324-S32-200		32	32	200	45		4			1.26
ASRS324-S32-250		32	32	250	45		4			1.58
ASRS325-S32-150	**ASRS325-A32-150**	32	32	150	45		5			0.95
ASRS325-S32-200		32	32	200	45		5			1.26
ASRS355-S32-150		35	32	150	30		5			0.95
ASRS355-S32-200		35	32	200	30		5			1.26
ASRS355-S32-250		35	32	250	30		5			1.58

FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
ASRS162-MD14	**ASRS162-AMD14**	16	8.5	25	M8	1.5	2	EPMT0603TN-8	②	0.04
ASRS172-MD14	**ASRS172-AMD14**	17	8.5	25	M8		2			0.04
ASRS203-MD18	**ASRS203-AMD18**	20	10.5	30	M10		3			0.07
ASRS213-MD18	**ASRS213-AMD18**	21	10.5	30	M10		3			0.08
ASRS254-MD23	**ASRS254-AMD23**	25	12.5	35	M12		4			0.14
ASRS263-MD23	**ASRS263-AMD23**	26	12.5	35	M12		3			0.16
ASRS264-MD23	**ASRS264-AMD23**	26	12.5	35	M12		4			0.15
ASRS324-MD29	**ASRS324-AMD29**	32	17	40	M16		4			0.26
ASRS325-MD29	**ASRS325-AMD29**	32	17	40	M16		5			0.26
ASRS334-MD29		33	17	40	M16		4			0.26
ASRS355-MD29	**ASRS355-AMD29**	35	17	40	M16		5			0.27
ASRS406-MD29	**ASRS406-AMD29**	40	17	43	M16		6			0.29
ASRS426-MD29	**ASRS426-AMD29**	42	17	43	M16		6			0.33

FIG-1

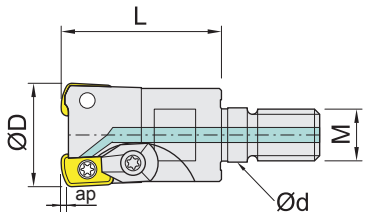


FIG-2

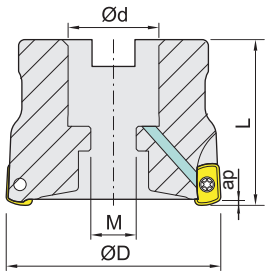
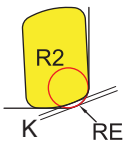


FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
ASRS254C-MD23		25	12.5	35	M12	1.5	4	EP..0603..	①	0.14
ASRS263C-MD23	**ASRS263C-AMD23**	26	12.5	35	M12		3			0.16
ASRS304C-MD29		30	17	43	M16		4			0.25
ASRS324C-MD29		32	17	40	M16		4			0.26
ASRS354C-MD29		35	17	40	M16		4			0.28

Metric

FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
	ASRS05207-A22.0T	52	22.0	40	11	1.5	7	EP..0603..	②	0.42

Insert	Spare parts	Screw	Wrench	Clamp	Wrench
EPMT0603TN-8	①	MS2506B	ETF09	MC35-3V	ETF15
EPMT0603TN-8	②	MS2506B	ETF09	--	--

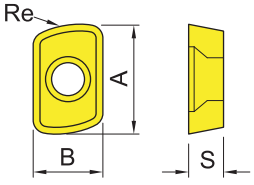


編製CAM程序時，請將ASRS設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量

When using the ASRS, please program the approximate radius as indicated.
The approximate uncut portions for the program are as follows.

刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
EP..-8	2.0	0.497

被切削材 Workpiece material					
Steel 鋼	P	●		●
Stainless steel 不銹鋼	M		●	
Cast iron 鑄鐵	K	●		
Non-ferrous metal 非鐵金屬	N			

Insert Shape	Description	GRADE 材質 Coated 塗層			Dimensions,mm			
		JP4020	JM4160	JS4060	A	B	S	Re
	**EPMT0603TN-8**	●	○	●	10	6.35	3.18	8
	EPMT0603EN-8LF		●					

ASS 高進給銑刀
HIGH FEED MILLING (ASS)

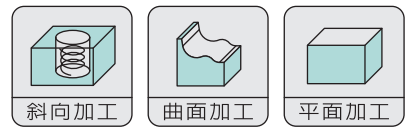


FIG-1

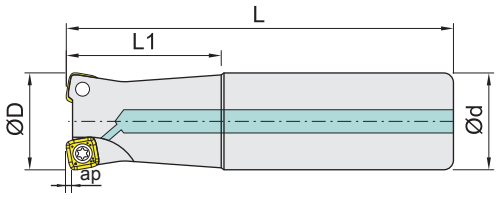


FIG-2

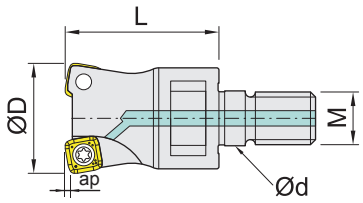
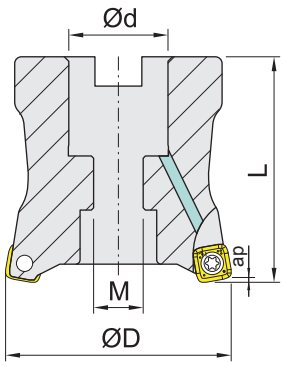
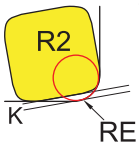


FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1	ap				
ASS07-202-S20-150T	**ASS07-202-A20-150T**	20	20	150	35	1.2	2	SP..07T2	①	0.37
ASS07-203-S20-150T	**ASS07-203-A20-150T**	20	20	150	35		3			0.37
ASS07-253-S25-150T	**ASS07-253-A25-150T**	25	25	150	40		3			0.58
ASS07-253-S25-200T	**ASS07-253-A25-200T**	25	25	200	40		3			0.77
ASS07-254-S25-150T	**ASS07-254-A25-150T**	25	25	150	40		4			0.58
ASS07-254-S25-200T	**ASS07-254-A25-200T**	25	25	200	40		4			0.77
ASS07-324-S32-150T	**ASS07-324-A32-150T**	32	32	150	45		4		②	0.95
ASS07-324-S32-200T	**ASS07-324-A32-200T**	32	32	200	45		4			1.26
ASS07-325-S32-150T	**ASS07-325-A32-150T**	32	32	150	45		5		①	0.95
ASS07-325-S32-200T	**ASS07-325-A32-200T**	32	32	200	45		5			1.26
ASS07-354-S32-150T	**ASS07-354-A32-150T**	35	32	150	45		4		②	0.95
ASS07-355-S32-150T	**ASS07-355-A32-150T**	35	32	150	45		5			0.95

FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
ASS07-202-MD18	**ASS07-202-AMD18**	20	10.5	30	M10	1.2	2	SP..07T2	①	0.07
ASS07-203-MD18	**ASS07-203-AMD18**	20	10.5	30	M10		3			0.07
ASS07-253-MD23	**ASS07-253-AMD23**	25	12.5	35	M12		3			0.13
ASS07-254-MD23	**ASS07-254-AMD23**	25	12.5	35	M12		4			0.13
ASS07-324-MD29	**ASS07-324-AMD29**	32	17.0	40	M16		4		②	0.27
ASS07-325-MD29	**ASS07-325-AMD29**	32	17.0	40	M16		5		①	0.27
ASS07-354-MD29	**ASS07-354-AMD29**	35	17.0	40	M16		4		②	0.24
ASS07-355-MD29	**ASS07-355-AMD29**	35	17.0	40	M16		5			0.24
ASS07-426-MD29	**ASS07-426-AMD29**	42	17.0	40	M16		6			0.29

Insert	Spare parts	Screw	Wrench
SP..07T2	①	MS3007C	ETF10
SP..07T2	②	MS3008C	ETF10





編製CAM程序時，請將ASS設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量

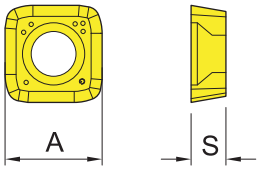
When using the ASS, please program the approximate radius as indicated.
The approximate uncut portions for the program are as follows.

刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
SP..07T2	2.0	0.62

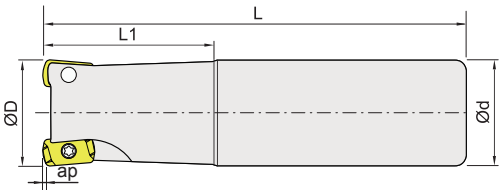
Metric

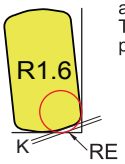
Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
ASS07-04005-16.0T	**ASS07-04005-A16.0T**	40	16.0	40	9	1.2	5	SP..07T2	②	0.22
ASS07-04006-16.0T	**ASS07-04006-A16.0T**	40	16.0	40	9		6			0.23
ASS07-04205-16.0T	**ASS07-04205-A16.0T**	42	16.0	40	9		5			0.25
ASS07-04206-16.0T	**ASS07-04206-A16.0T**	42	16.0	40	9		6			0.26
ASS07-05007-22.0T	**ASS07-05007-A22.0T**	50	22.0	50	11		7			0.37
ASS07-05207-22.0T	**ASS07-05207-A22.0T**	52	22.0	50	11		7			0.41
ASS07-06308-22.0T	**ASS07-06308-A22.0T**	63	22.0	50	11		8			0.68

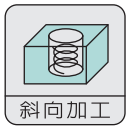
被切削材 Workpiece material					
	Steel 鋼	P	●		
	Stainless steel 不銹鋼	M		●	
	Cast iron 鑄鐵	K	●		
	Non-ferrous metal 非鐵金屬	N			
	Hardened steel 高硬度材	H			●

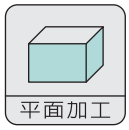
Insert Shape	Description	GRADE 材質 Coated 塗層			Dimensions,mm	
		JS4045	JM4160	JP4105	A	S
	**SPNW07T2TR**	●	○		7.8	2.8
	SPMT07T2TR	●	○			
	SPMT07T2ER-LF		○			

MFH 高進給銑刀
HIGH FEED MILLING (MFH)









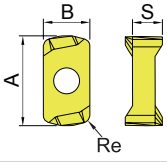
編製CAM程序時，請將MFH設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量

When using the MFH, please program the approximate radius as indicated.
The approximate uncut portions for the program are as follows.

刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
LOGU03	1.6	0.39

Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1	ap				
MFH03-162-S16-150T		16	16	150	30	1.0	2	LOGU03...	①	0.24
MFH03-172-S16-150T		17	16	150	25		2			0.24
MFH03-203-S20-150T		20	20	150	35		3			0.37
NEW **MFH03-204-S20-150T**		20	20	150	35		4			0.37
MFH03-213-S20-150T		21	20	150	30		3			0.37
NEW **MFH03-214-S20-150T**		21	20	150	30		4			0.37
MFH03-254-S25-150T		25	25	150	40		4			0.58
MFH03-254-S25-200T		25	25	200	40		4			0.77
MFH03-264-S25-150T		26	25	150	35		4			0.58
MFH03-264-S25-200T		26	25	200	35		4			0.77
MFH03-325-S32-150T		32	32	150	50		5			0.95
MFH03-325-S32-200T		32	32	200	50		5			1.26
MFH03-335-S32-150T		33	32	150	40		5			0.95
MFH03-335-S32-200T		33	32	200	40		5			1.26

被切削材 Workpiece material					
Steel 鋼	P	●			●
Stainless steel 不銹鋼	M	●		●	●
Cast iron 鑄鐵	K		●		●
Non-ferrous metal 非鐵金屬	N				

Insert Shape	Description	GRADE 材質 Coated 塗層				Dimensions,mm			
		PR1525	PR1510	QV330	MW913	A	B	S	Re
	**LOGU030310ER-GM**	●	○			11.9	6.2	3.96	1.0
	LOGU030310ER-GMZ			●					
	LOGU030310ER-GS				○				

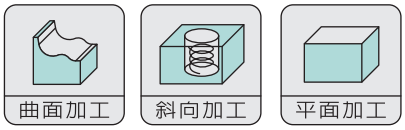


FIG-1

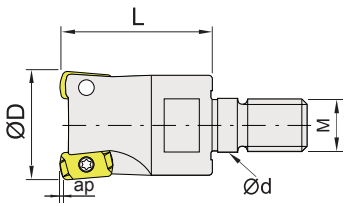


FIG-2

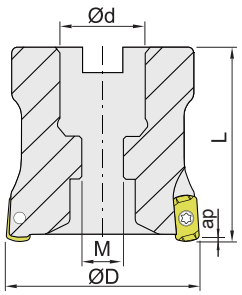


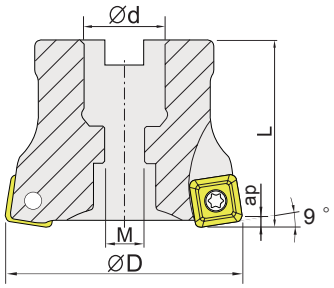
FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
MFH03-162-MD14		16	8.5	25	M8	1.0	2	LOGU03...	①	0.04
MFH03-172-MD14		17	8.5	25	M8		2			0.04
MFH03-203-MD18		20	10.5	30	M10		3			0.07
NEW **MFH03-204-MD18**		20	10.5	30	M10		4			0.07
MFH03-213-MD18		21	10.5	30	M10		3			0.07
NEW **MFH03-214-MD18**		21	10.5	30	M10		4			0.07
MFH03-254-MD23		25	12.5	35	M12		4			0.12
MFH03-264-MD23		26	12.5	35	M12		4			0.12
MFH03-325-MD30		32	17.0	40	M16		5			0.24
MFH03-335-MD30		33	17.0	40	M16		5			0.24

Metric

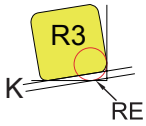
FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
MFH03-04006-16.0T		40	16.0	40	8.5	1.0	6	LOGU03...	①	0.22
MFH03-05008-22.0T		50	22.0	50	11		8			0.57

Insert	Spare parts	Screw	Wrench
LOGU03...	①	MS3007K	ETF08

FFQ 高進給銑刀
HIGH FEED MILLING (FFQ)



編製CAM程序時，請將FFQ設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量
When using the FFQ, please program the approximate radius as indicated. The approximate uncut portions for the program are as follows.



刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
SOMT1205..	3.0	1.25

Metric

Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
FFQ4-05004-22.0T		50	22.0	50	11	1.5	4	SOMT1205..	①	0.41
FFQ4-06304-22.0T		63					4			0.57
FFQ4-06305-22.0T		63					5			0.57
FFQ4-06306-22.0T		63					6			0.57

Insert	Spare parts	Screw	Wrench
SOMT1205..	①	MS4011A	ETF15

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		

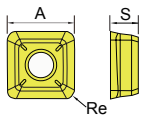
Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm		
		IC808	IC810	A	S	Re
	**SOMT120516T**	●		12.7	5.2	1.6
	SOMT120516T20		○			

FIG-1

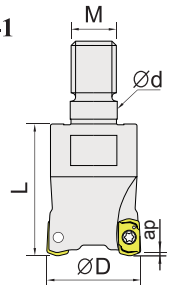


FIG-2

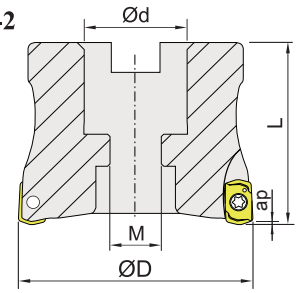


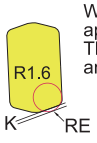
FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
PBN10-162-MD14		16	8.5	25	M8	1.0	2	BNGX10T3..	①	0.04
PBN10-172-MD14		17	8.5	25	M8		2			0.04
PBN10-203-MD18		20	10.5	30	M10		3			0.07
PBN10-213-MD18		21	10.5	30	M10		3			0.07
PBN10-255-MD23		25	12.5	35	M12		5			0.12
PBN10-265-MD23		26	12.5	35	M12		5			0.12
PBN10-356-MD29		35	17.0	43	M16		6			0.26
PBN10-406-MD29		40	17.0	43	M16		6			0.29

Metric

FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
PBN10-05007-22.0T		50	22.0	40	11	1.0	7	BNGX10T3..	①	0.43

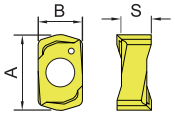
Insert	Spare parts	Screw	Wrench
BNGX10T3..	①	MS2506E	ETF08

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	

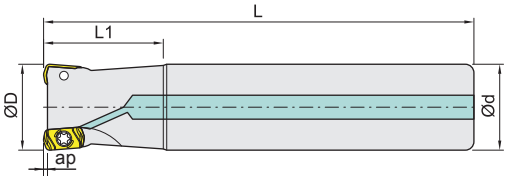


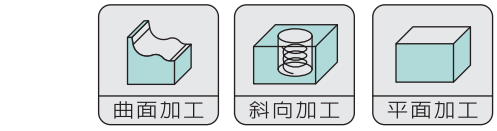
編製CAM程序時，請將PBN設為圓弧頭銑刀，
此時的近似刀尖圓弧半徑RE值及切削殘留量
When using the PBN，please program the approximate radius as indicated.
The approximate uncut portions for the program are as follows.

刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
BNGX10T3..	1.6	0.4

Insert Shape	Description	GRADE 材質 Coated 塗層 M8330	Dimensions,mm A	B	S	Re
	**BNGX10T308SR-HM**	●	9.92	5.8	3.9	--

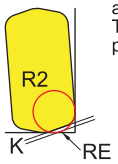
EXN 高進給銑刀
HIGH FEED MILLING (EXN)





編製CAM程序時，請將EXN設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量

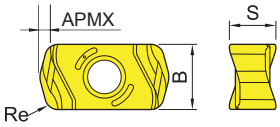
When using the EXN, please program the approximate radius as indicated.
The approximate uncut portions for the program are as follows.



刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
LNMU03	2.0	0.25

Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1	ap				
NEW EXN2-102-S10-100T		10	10	100	20	0.5	2	LNMU02...	①	0.07
NEW EXN2-112-S10-100T		11	10	100	20		2			0.07
NEW EXN2-132-S12-100T		13	12	100	20		2			0.11
EXN3-152-S16-150T		15	16	150	30	0.9-1.0	2	LNMU03...	②	0.24
EXN3-162-S16-150T	EXN3-162-A16-150T	16	16	150	30		2			0.24
EXN3-172-S16-150T	EXN3-172-A16-150T	17	16	150	25		2			0.24
EXN3-203-S20-150T	EXN3-203-A20-150T	20	20	150	35		3			0.37
EXN3-213-S20-150T	EXN3-213-A20-150T	21	20	150	30		3			0.37
EXN3-254-S25-150T	EXN3-254-A25-150T	25	25	150	35		4			0.58
EXN3-254-S25-200T		25	25	200	35		4			0.77
EXN3-264-S25-150T	EXN3-264-A25-150T	26	25	150	35		4			0.58
EXN3-264-S25-200T		26	25	200	35		4			0.77
EXN3-325-S32-150T		32	32	150	45		5			0.94
EXN3-325-S32-200T		32	32	200	45		5			1.26
EXN3-355-S32-150T		35	32	150	35		5			0.94
EXN3-355-S32-200T		35	32	200	35		5			1.26
EXN3-356-S32-150T		35	32	150	35		6			0.94
EXN3-356-S32-200T		35	32	200	35		6			1.26

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M		●
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm			
		AH725	AH130	B	S	Re	APMX
	LNMU0202-ZER-MM		●	4	3.1	0.9	0.5
	LNMU0303-ZER-MJ	●	●	6	4.29	1.2	1.0
	LNMU0303-ZER-ML	●	●				

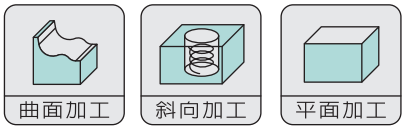


FIG-1

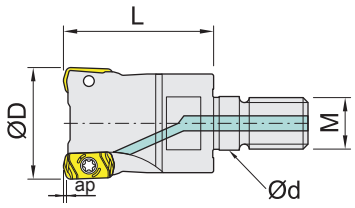


FIG-2

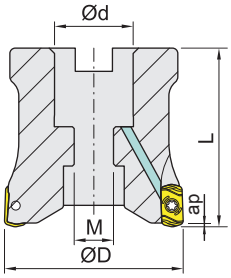


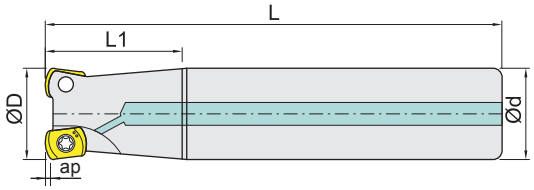
FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
EXN3-162-MD14	**EXN3-162-AMD14**	16	8.5	25	M8	0.9-1.0	2	LNMU03…	②	0.04
EXN3-172-MD14	**EXN3-172-AMD14**	17	8.5	25	M8		2			0.04
EXN3-203-MD18	**EXN3-203-AMD18**	20	10.5	30	M10		3			0.07
EXN3-213-MD18	**EXN3-213-AMD18**	21	10.5	30	M10		3			0.07
EXN3-254-MD23	**EXN3-254-AMD23**	25	12.5	35	M12		4			0.12
EXN3-264-MD23	**EXN3-264-AMD23**	26	12.5	35	M12		4			0.12
EXN3-325-MD29	**EXN3-325-AMD29**	32	17.0	40	M16		5			0.26
EXN3-334-MD29	**EXN3-334-AMD29**	33	17.0	40	M16		4			0.26
EXN3-355-MD29	**EXN3-355-AMD29**	35	17.0	43	M16		5			0.27
EXN3-356-MD29	**EXN3-356-AMD29**	35	17.0	43	M16		6			0.26
EXN3-406-MD29	**EXN3-406-AMD29**	40	17.0	43	M16		6			0.29
EXN3-426-MD29	**EXN3-426-AMD29**	42	17.0	43	M16		6			0.32

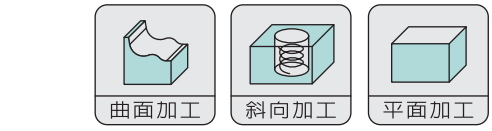
Metric

FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
NEW **EXN3-04006-16.0T**	**EXN3-04006-A16.0T**	40	16.0	40	8.5	0.9-1.0	6	LNMU03…	②	0.23
EXN3-05005-22.0T		50	22.0	50	11		5			0.49
EXN3-05008-22.0T	**EXN3-05008-A22.0T**	50					8			0.57
EXN3-06308-22.0T	**EXN3-06308-A22.0T**	63					8			0.68
NEW **EXN3-08010-27.0T**		80	27.0		13		10			1.13

Insert	Spare parts	Screw	Wrench
LNMU02..	①	MS1804A	ETF06
LNMU03..	②	MS2506E	ETF08

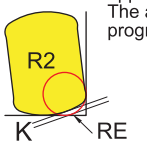
TEBL 高進給銑刀
HIGH FEED MILLING (TEBL)





編製CAM程序時，請將TEBL設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量

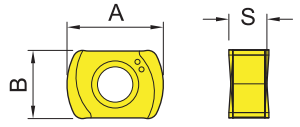
When using the TEBL, please program the approximate radius as indicated.
The approximate uncut portions for the program are as follows.



刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
BLMP06	2.0	0.42
BLMP09	2.5	0.61

Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1	ap				
TEBL06-162-S16-150T	TEBL06-162-A16-150T	16	16	150	30	1.0	2	BLMP0603..	①	0.24
TEBL06-162-S16-200T	TEBL06-162-A16-200T	16	16	200	30		2			0.32
TEBL06-172-S16-150T	TEBL06-172-A16-150T	17	16	150	30		2			0.24
TEBL06-172-S16-200T	TEBL06-172-A16-200T	17	16	200	30		2			0.32
TEBL06-203-S20-150T	TEBL06-203-A20-150T	20	20	150	30		3			0.37
TEBL06-203-S20-200T	TEBL06-203-A20-200T	20	20	200	30		3			0.49
TEBL06-213-S20-150T	TEBL06-213-A20-150T	21	20	150	30		3			0.37
TEBL06-213-S20-200T	TEBL06-213-A20-200T	21	20	200	30		3			0.49
TEBL06-254-S25-150T	TEBL06-254-A25-150T	25	25	150	35		4			0.58
TEBL06-254-S25-200T	TEBL06-254-A25-200T	25	25	200	35		4			0.77
TEBL06-264-S25-150T	TEBL06-264-A25-150T	26	25	150	35		4			0.58
TEBL06-264-S25-200T	TEBL06-264-A25-200T	26	25	200	35		4			0.77
TEBL06-325-S32-150T	TEBL06-325-A32-150T	32	32	150	40		5			0.94
TEBL06-325-S32-200T	TEBL06-325-A32-200T	32	32	200	40		5			1.26
TEBL06-335-S32-150T	TEBL06-335-A32-150T	33	32	150	40		5			0.94
TEBL06-335-S32-200T	TEBL06-335-A32-200T	33	32	200	40		5			1.26
TEBL06-355-S32-150T	TEBL06-355-A32-150T	35	32	150	40		5			0.94
TEBL06-355-S32-200T	TEBL06-355-A32-200T	35	32	200	40		5			1.26

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M		●
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 / Coated 塗層		Dimensions,mm		
		TT9080	JW965	A	B	S
	BLMP0603R-M	●		9	6.39	3.73
	BNMX0603MGBL		●			
	BLMP0904R-M	●		11.9	9.18	4.80
	BLMP0904R-MM	●				
	BNMX0904MGBL		●			

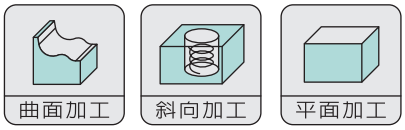


FIG-1

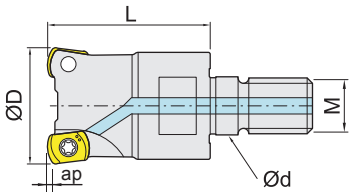


FIG-2

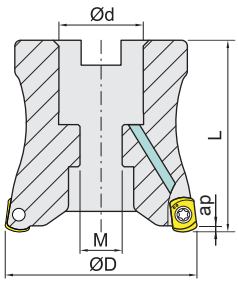


FIG-1 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
TEBL06-162-MD14	**TEBL06-162-AMD14**	16	8.5	25	M8	1.0	2	BLMP0603..	①	0.04
TEBL06-172-MD14	**TEBL06-172-AMD14**	17	8.5	25	M8		2			0.04
TEBL06-203-MD18	**TEBL06-203-AMD18**	20	10.5	30	M10		3			0.07
TEBL06-213-MD18	**TEBL06-213-AMD18**	21	10.5	30	M10		3			0.07
TEBL06-254-MD23	**TEBL06-254-AMD23**	25	12.5	35	M12		4			0.12
TEBL06-264-MD23	**TEBL06-264-AMD23**	26	12.5	35	M12		4			0.12
TEBL06-324-MD29	**TEBL06-324-AMD29**	32	17.0	40	M16		4			0.23
TEBL06-325-MD29	**TEBL06-325-AMD29**	32	17.0	40	M16		5			0.23
TEBL06-354-MD29	**TEBL06-354-AMD29**	35	17.0	43	M16		4			0.26
TEBL06-355-MD29	**TEBL06-355-AMD29**	35	17.0	43	M16		5			0.26
TEBL06-406-MD29	**TEBL06-406-AMD29**	40	17.0	43	M16		6			0.28
TEBL06-426-MD29	**TEBL06-426-AMD29**	42	17.0	43	M16		6			0.30
	TEBL09-253-AMD23	25	12.5	35	M12	1.5	3	BLMP0904..	②	0.12
	TEBL09-323-AMD29	32	17.0	43	M16		3			0.21
	TEBL09-324-AMD29	32	17.0	43	M16		4			0.21
	TEBL09-354-AMD29	35	17.0	43	M16		4			0.25
	TEBL09-404-AMD29	40	17.0	43	M16		4			0.27
	TEBL09-425-AMD29	42	17.0	43	M16		5			0.29

Metric

FIG-2 Item code		Dimensions,mm					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap				
	TEBL06-04006-A16.0	40	16.0	40	8.5	1.0	6	BLMP0603..	①	0.22
	TEBL06-05007-A22.0	50	22.0	50	11		7			0.44
	TEBL06-05207-A22.0	52	22.0	50	11		7			0.47
	TEBL06-06308-A22.0	63	22.0	50	11		8			0.66
	TEBL09-05005-A22.0	50	22.0	50	11	1.5	5	BLMP0904..	②	0.46
	TEBL09-05206-A22.0	52	22.0	50	11		6			0.49
	TEBL09-06608-A27.0	66	27.0	50	13		8			0.79

Insert	Spare parts	Screw	Wrench
BLMP0603..	①	MS2506E	ETF08
BLMP0904..	②	MS3510E	ETF10

BRP 圓刃銑刀
CORNER ROUNDING END MILLS (BRP)

FIG-1

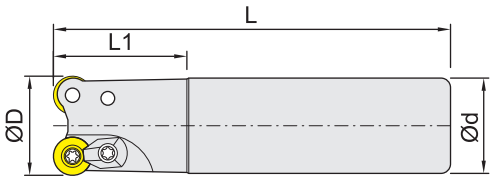


FIG-2

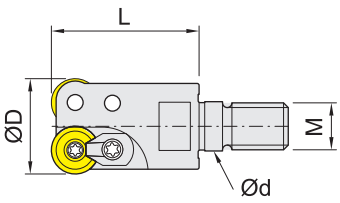
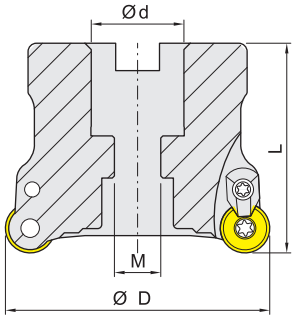
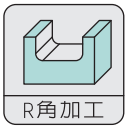
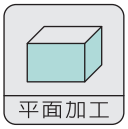


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	L1				
BRP08-202-S20-150	20	20	150	35	2	RP..08T2	①	0.37
BRP08-202-S20-200	20	20	200	35	2			0.49
BRP10-252-S25-150	25	25	150	40	2	RP..10T3	③	0.58
BRP10-252-S25-200	25	25	200	40	2			0.77
BRP10-252-S25-250	25	25	250	40	2			0.96
BRP10-262-S25-150	26	25	150	35	2			0.58
BRP10-262-S25-200	26	25	200	35	2			0.77
BRP10-262-S25-250	26	25	250	35	2			0.96
BRP12-252-S25-150	25	25	150	45	2	RP..1204	④	0.58
BRP12-252-S25-200	25	25	200	45	2			0.77
BRP12-252-S25-250	25	25	250	45	2			0.96
BRP12-262-S25-150	26	25	150	35	2	RP..1204	⑤	0.58
BRP12-262-S25-200	26	25	200	35	2			0.77
BRP12-262-S25-250	26	25	250	35	2			0.96
BRP12-322-S32-150	32	32	150	45	2			0.95
BRP12-322-S32-200	32	32	200	45	2			1.26
BRP12-323-S32-150	32	32	150	45	3			0.95
BRP12-323-S32-200	32	32	200	45	3			1.26
BRP12-323-S32-250	32	32	250	45	3			1.58
BRP12-403-S32-150	40	32	150	35	3			0.95
BRP12-403-S32-200	40	32	200	35	3			1.26
BRP12-403-S32-250	40	32	250	35	3			1.58
RP103-202-S20-150	20	20	150	35	2	RP..1003	⑥	0.37
RP103-202-S20-200	20	20	200	35	2			0.49
RP103-212-S20-150	21	20	150	25	2			0.37
RP103-212-S20-200	21	20	200	25	2			0.49
RP103-252-S25-150	25	25	150	40	2	RP..1003	⑦	0.58
RP103-252-S25-200	25	25	200	40	2			0.77
RP103-262-S25-150	26	25	150	30	2			0.58
RP103-262-S25-200	26	25	200	30	2			0.77

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	M				
BRP10-253-MD23	25	12.5	35	M12	3	RP..10T3	②	0.08
BRP12-252-MD23	25	12.5	35	M12	2	RP..1204	④	0.14
BRP12-262-MD23	26	12.5	35	M12	2		⑤	0.15
RP103-202-MD18	20	10.5	30	M10	2	RP..1003	⑥	0.08
RP103-212-MD18	21	10.5	30	M10	2			0.08
RP103-252-MD23	25	12.5	35	M12	2	RP..1003	⑦	0.11
RP103-253-MD23	25	12.5	35	M12	3		⑥	0.11
RP103-262-MD23	26	12.5	35	M12	2		⑦	0.11
RP103-303-MD23	30	12.5	35	M12	3			0.13
RP103-353-MD29	35	17.0	43	M16	3			0.24
RP103-354-MD29	35	17.0	43	M16	4			0.24







Metric

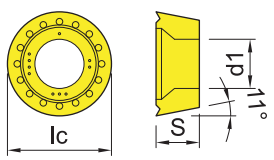
Item code 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,mm D	d	L	M	Teeth	Insert	Spare parts	Weight Kg
	RPM-6R424-A16.0	42	16.0	50	9	4	RP..1204	⑤	0.21
RPM-6R504-22.0		50	22.0	50	11	4			0.41
RPM-6R505-22.0	RPM-6R505-A22.0	50				5			0.36
	RPM-6R525-A22.0	52				5			0.44
NEW RPM-6R635-22.0	RPM-6R635-A22.0	63				5			0.70
	RPM-6R636-A22.0	63				6			0.80
	RPM-6R666-A22.0	66				6			0.80
RPM-6R635-27.0		63	27.0	50	13	5			0.68
	RPM-6R807-A27.0	80				7			1.00

Inch

Item code 無水孔Non-coolant	Item code 水孔Coolant	Dimensions mm D	d	L	M	Teeth	Insert	Spare parts	Weight Kg
RPM-6R504-25.4		50	25.4	50	13	4	RP..1204	⑤	0.38
RPM-6R635-25.4		63				5			0.68
RPM-6R665-25.4		66				5			0.77
RPM-6R806-25.4		80				6			1.10
RPM-6R1006-31.75		100	31.75	50	13	6			1.55

Insert	Spare parts	Screw	Wrench	Clamp	Wrench
RP..08T2	①	MS2506A	ETF09	MC35-3V	ETF15
RP..10T3	②	MS3509A	ETF15	--	--
RP..10T3	③	MS3509A	--	MC35-3V	ETF15
RP..1204	④	MS4009A	--	MC35-3V	ETF15
RP..1204	⑤	MS4011A	--	MC35-3V	ETF15
RP..1003	⑥	MS4009A	ETF15	--	--
RP..1003	⑦	MS4009A	--	MC35-3V	ETF15

被切削材 Workpiece material				
Steel 鋼	P	●	●
Stainless steel 不銹鋼	M	●	●
Cast iron 鑄鐵	K	●	
Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層 NW948	NV702	Dimensions,mm Ic	S	d1
	RPMT08T2MOE-JS	●		8	2.78	2.9
	RPMT10T3MOE-JS	●	●	10	3.97	3.9
	RPMT1204MOE-JS	●	●	12	4.76	4.4
	RPMW1003MO	●		10	3.18	4.4

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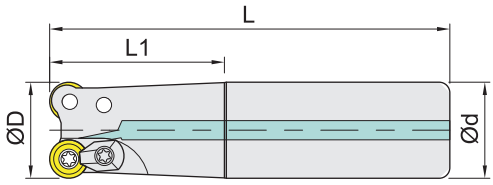
CORNER ROUNDING END MILLS (HAR/ARD)

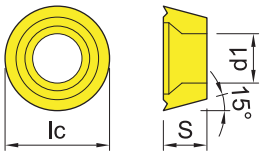


Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
ARD051-D102-S10-100		10	10	100	18	2	RD..0501..	①	0.06
ARD051-D102-S10-150		10	10	150	18	2			0.09
ARD051-D112-S10-100		11	10	100	15	2			0.06
ARD051-D112-S10-150		11	10	150	15	2			0.09
ARD051-D122-S12-100		12	12	100	22	2			0.09
ARD051-D122-S12-150		12	12	150	22	2			0.13
ARD051-D123-S12-100		12	12	100	22	3			0.09
ARD051-D132-S12-100		13	12	100	18	2			0.09
ARD051-D132-S12-150		13	12	150	18	2			0.13
ARD051-D133-S12-100		13	12	100	18	3			0.09
ARD051-D133-S12-150		13	12	150	18	3			0.13
C12-4R121-130		12	12	130	30	1	RD..0802..	③	0.12
C16-4R161-150		16	16	150	35	1			0.24
C16-4R161-200		16	16	200	35	1			0.32
C16-4R162-150	HAR08-162-A16-150	16	16	150	40	2		②	0.24
C16-4R162-200	HAR08-162-A16-200	16	16	200	40	2			0.32
C16-4R171-150		17	16	150	25	1		③	0.24
C16-4R171-200		17	16	200	25	1			0.32
C16-4R172-150		17	16	150	25	2	RD..0802..	②	0.24
C16-4R172-200		17	16	200	25	2			0.32
C20-4R202-150	HAR08-202-A20-150	20	20	150	40	2	RD..0802..	④	0.37
C20-4R202-200		20	20	200	40	2			0.49
C20-4R212-150		21	20	150	25	2			0.37
C20-4R212-200		21	20	200	25	2			0.49
C25-4R253-150		25	25	150	50	3			0.58
C25-4R263-150		26	25	150	25	3			0.58
C20-5R202-150		20	20	150	40	2	RD..10T3..	⑥	0.37
C20-5R222-150		22	20	150	30	2			0.38
C25-5R252-150	HAR10-252-A25-150	25	25	150	45	2		⑦	0.58
C25-5R252-200		25	25	200	45	2			0.77
C25-5R252-250		25	25	250	45	2			0.96
C25-5R262-150		26	25	150	30	2			0.58
C25-5R262-200		26	25	200	30	2			0.77
C25-5R262-250		26	25	250	30	2			0.96

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
C25-5R302-150		30	25	150	30	2	RD..10T3..	⑦	0.83
C25-5R302-200		30	25	200	30	2			1.11
C25-5R302-250		30	25	250	30	2			1.38
C25-5R303-150		30	25	150	30	3			0.83
C25-5R303-200		30	25	200	30	3			1.11
C25-5R303-250		30	25	250	30	3			1.38
C32-5R323-150		32	32	150	45	3			0.95
C32-5R323-200		32	32	200	45	3			1.26
C32-5R323-250		32	32	250	45	3			1.58
C32-5R323-300		32	32	300	45	3			1.89
C32-5R353-150		35	32	150	35	3			1.13
C32-5R353-200		35	32	200	35	3			1.51
C32-5R353-250		35	32	250	35	3			1.89
C32-5R353-300		35	32	300	35	3			2.27
C32-5R403-150		40	32	150	35	3			1.48
C32-5R403-200		40	32	200	35	3			1.97
C32-5R403-250		40	32	250	35	3			2.47
C32-5R403-300		40	32	300	35	3			2.96
HAR12-252-S25-100		25	25	100	45	2	RD..1204	⑧	0.39
HAR12-252-S25-150		25	25	150	45	2			0.58
HAR12-252-S25-200		25	25	200	45	2			0.77

Insert	Spare parts	Screw	Wrench	Clamp	Wrench
RD..0501..	①	MS1804A	ETF06	--	--
RD..0802..	②	MS3006B	ETF09	--	--
RD..0802..	③	MS3006B	ETF09	MC35-3V	ETF15
RD..0802..	④	MS3008B	ETF09	MC35-3V	ETF15
RD..10T3..	⑤	MS4008B	ETF15	--	--
RD..10T3..	⑥	MS4009B	ETF15	--	--
RD..10T3..	⑦	MS4009B	--	MC35-3V	ETF15
RD..1204..	⑧	MS4009A	--	MC35-3V	ETF15

被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K		●
Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm		
		CY250	JS4060	Ic	S	d1
	**RDMW0501MOEN**	●		5.0	1.5	1.9
	RDMT0802MOTN	●	○	8.0	2.38	3.4
	RDMT10T3MOTN	●	○	10.0	3.97	4.5
	RDMT1204MOTN	●	○	12.0	4.76	4.5

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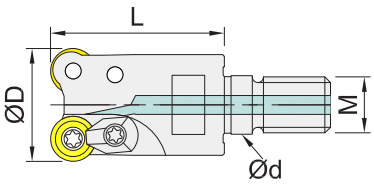
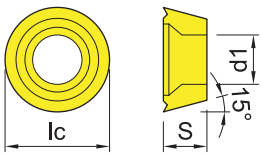
CORNER ROUNDING END MILLS (HAR/ARD)



Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
ARD051-D102-MD10		10	5.5	16	M5	2	RD..0501..	①	0.02
ARD051-D112-MD10		11	5.5	18	M5	2			0.03
ARD051-D122-MD11		12	6.5	18	M6	2			0.03
ARD051-D123-MD11		12	6.5	18	M6	3			0.03
ARD051-D132-MD11		13	6.5	18	M6	2			0.03
ARD051-D133-MD11		13	6.5	18	M6	3			0.03
ARD051-D133-MD11-M08		13	8.5	18	M8	3			0.03
ARD051-D174-MD14		17	8.5	23	M8	4			0.04
HAR08-162-MD14		16	8.5	23	M8	2	RD..0802..	②	0.05
HAR08-172-MD14		17	8.5	23	M8	2			0.05
HAR08-202-MD18		20	10.5	30	M10	2	RD..0802..	③	0.07
HAR08-212-MD18		21	10.5	30	M10	2			0.07
HAR08-253-MD23		25	12.5	35	M12	3			0.15
HAR10-202-MD18		20	10.5	30	M10	2	RD..10T3..	④	0.08
HAR10-212-MD18		21	10.5	30	M10	2		⑤	0.09
HAR10-252-MD23		25	12.5	35	M12	2		⑥	0.12
HAR10-253-MD23		25	12.5	35	M12	3		⑤	0.12
HAR10-262-MD23		26	12.5	35	M12	2		⑥	0.12
HAR10-263-MD23		26	12.5	35	M12	3		⑤	0.12
HAR10-302-MD29		30	17	43	M16	2		⑥	0.23
HAR10-323-MD29		32	17	43	M16	3			0.22
HAR10-353-MD29		35	17	43	M16	3			0.24
HAR10-354-MD29		35	17	43	M16	4			0.24
HAR10-404-MD29		40	17	43	M16	4			0.25
HAR10-424-MD29		42	17	43	M16	4			0.27
HAR10-425-MD29		42	17	43	M16	5		⑤	0.30
	HAR10-426-AMD29	42	17	43	M16	6			0.27
HAR12-252-MD23		25	12.5	35	M12	2	RD..1204..	⑦	0.14
HAR12-353-MD29	HAR12-353-AMD29	35	17	43	M16	3			0.21
HAR12-404-MD29		40	17	43	M16	4			0.24
HAR12-424-MD29	HAR12-424-AMD29	42	17	43	M16	4			0.25

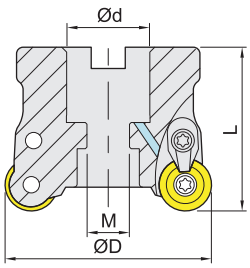
Insert	Spare parts	Screw	Wrench	Clamp	Wrench
RD..0501..	①	MS1804A	ETF06	--	--
RD..0802..	②	MS3006B	ETF09	--	--
RD..0802..	③	MS3008B	ETF09	MC35-3V	ETF15
RD..10T3..	④	MS4008B	ETF15	--	--
RD..10T3..	⑤	MS4009B	ETF15	--	--
RD..10T3..	⑥	MS4009B	--	MC35-3V	ETF15
RD..1204..	⑦	MS4009A	--	MC35-3V	ETF15

被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K		●
Non-ferrous metal 非鐵金屬	N		

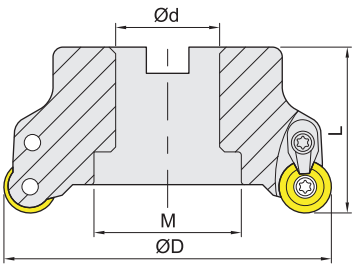
Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm		
		CY250	JS4060	Ic	S	d1
	**RDMW0501MOEN**	●		5.0	1.5	1.9
	RDMT0802MOTN	●	○	8.0	2.38	3.4
	RDMT10T3MOTN	●	○	10.0	3.97	4.5
	RDMT1204MOTN	●	○	12.0	4.76	4.5

HAR 圓刃銑刀
CORNER ROUNDING END MILLS (RM)

Ø 40
Ø 50
Ø 52
Ø 63
Ø 66
Ø 72
Ø 80
Ø 86



Ø100
Ø160



Metric

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
RM-5R405-16.0		40	16.0	40	9	5	RD..10T3..	①	0.21
NEW **RM-5R503-22.0-50H**		50	22.0	50	11	3			0.44
RM-5R504-22.0		50	22.0	40	11	4			0.44
RM-5R504-22.0-50H		50	22.0	50	11	4			0.44
RM-5R505-22.0		50	22.0	40	11	5			0.41
RM-5R505-22.0-50H		50	22.0	50	11	5			0.41
RM-5R525-22.0		52	22.0	50	11	5			0.47
RM-6R404-16.0	**RM-6R404-A16.0**	40	16.0	50	9	4	RD..1204	③	0.39
NEW	**RM-6R424-A16.0**	42				4			0.21
RM-6R504-22.0		50	22.0	50	11	4			0.39
RM-6R505-22.0	**RM-6R505-A22.0**	50				5		②	0.41
RM-6R525-22.0	**RM-6R525-A22.0**	52				5			0.43
RM-6R635-22.0	**RM-6R635-A22.0**	63				5		③	0.70
RM-6R636-22.0	**RM-6R636-A22.0**	63				6			0.72
RM-6R666-22.0	**RM-6R666-A22.0**	66				6			0.76
RM-6R635-27.0		63	27.0	50	13	5			0.64
RM-6R666-27.0	**RM-6R666-A27.0**	66				6			0.76
RM-6R805-27.0		80				5			1.00
RM-6R806-27.0		80				6			0.98
	RM-6R807-A27.0	80				7			1.00
RM-8R503-22.0 ※	**RM-8R503-A22.0 ※**	50	22.0	50	11	3	RD..1604	④	0.44
RM-8R524-22.0		52				4			0.40
RM-8R634-22.0		63				4			0.54
RM-8R665-22.0		66				5			0.59
RM-8R635-27.0		63	27.0	50	13	5			0.54
RM-8R664-27.0		66				4			0.63
RM-8R665-27.0		66				5			0.59
RM-8R805-27.0		80				5			0.94
RM-8R806-27.0		80				6			0.91
RM-8R1006-32.0		100	32.0	50	45	6			1.32

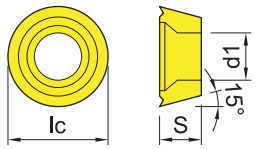
※表示另附刀把螺絲HTM1045HS (※ The mill equips with a cap screw HTM1045HS)

Inch

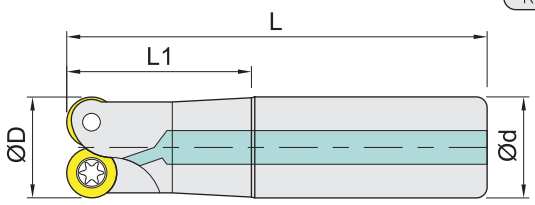
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
RM-5R504-25.4		50	25.4	50	13	4	RD..10T3..	①	0.41
RM-5R635-25.4	**RM-5R635-A25.4**	63				5			0.65
RM-5R806-25.4		80				6			1.05
RM-5R866-25.4		86				6			1.23
RM-6R504-25.4		50	25.4	50	13	4	RD..1204	③	0.36
RM-6R635-25.4		63				5			0.66
RM-6R665-25.4		66				5			0.72
RM-6R806-25.4		80				6			1.01
RM-8R633-25.4		63	25.4	50	13	3	RD..1604	④	0.61
RM-8R634-25.4		63				4			0.55
RM-8R635-25.4		63				5			0.52
RM-8R664-25.4		66				4			0.65
RM-8R665-25.4		66				5			0.63
RM-8R724-25.4		72				4			0.72
RM-8R805-25.4		80				5			0.94
RM-8R1006-31.75		100	31.75	50	45	6			1.32
RM-8R16008-50.8		160	50.8	60	64	8			4.10

Insert	Spare parts	Screw	Wrench	Clamp	Wrench
RD..10T3..	①	MS4009B	--	MC35-3V	ETF15
RD..1204..	②	MS4009A	--	MC35-3V	ETF15
RD..1204..	③	MS4011A	--	MC35-3V	ETF15
RD..1604..	④	MS5011A	--	MC50V	ETF20

被切削材 Workpiece material				
Steel 鋼	P	●	
Stainless steel 不銹鋼	M	●	
Cast iron 鑄鐵	K		●
Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm		
		CY250	JS4060	lc	S	d1
	**RDMT10T3MOTN**	●	○	10.0	3.97	4.5
	RDMT1204MOTN	●	○	12.0	4.76	4.5
	RDMX1604MOTN	●	○	16.0	4.76	5.5

RD 圓刃銑刀
CORNER ROUNDING END MILLS (RD)

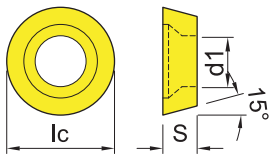


Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
RD051-D092-S08-100		9	8	100	12	2	RD..0501..	①	0.04
RD051-D102-S10-100	RD051-D102-A10-100	10	10	100	18	2			0.06
RD051-D112-S10-100		11	10	100	15	2	RD..0501..	②	0.06
RD051-D112-S10-150		11	10	150	15	2			0.09
RD051-D122-S12-100		12	12	100	22	2			0.09
RD051-D123-S12-100	RD051-D123-A12-100	12	12	100	22	3			0.09
RD051-D123-S12-150		12	12	150	22	3			0.13
RD051-D132-S12-100		13	12	100	18	2			0.09
RD051-D133-S12-100		13	12	100	18	3			0.09
RD051-D133-S12-150		13	12	150	18	3			0.13
RD051-D164-S16-150	RD051-D164-A16-150	16	16	150	30	4			0.24
RD051-D164-S16-200		16	16	200	30	4			0.32
RD051-D174-S16-150		17	16	150	20	4			0.24
RD051-D174-S16-200		17	16	200	20	4			0.32
RD072-D152-S16-100		15	16	100	25	2	RD..0702..	③	0.16
RD072-D152-S16-150		15	16	150	25	2			0.16
RD072-D162-S16-150	RD072-D162-A16-150	16	16	150	25	2		④	0.24
RD072-D162-S16-200		16	16	200	25	2			0.32
RD072-D163-S16-150		16	16	150	25	3			0.24
RD072-D163-S16-200		16	16	200	25	3			0.32
RD072-D172-S16-150	RD072-D172-A16-150	17	16	150	20	2			0.24
RD072-D172-S16-200		17	16	200	20	2			0.32
RD072-D173-S16-150		17	16	150	20	3			0.24
RD072-D173-S16-200		17	16	200	20	3			0.32
RD072-D203-S20-150	RD072-D203-A20-150	20	20	150	35	3			0.37
RD072-D203-S20-200		20	20	200	35	3			0.49
RD072-D213-S20-150		21	20	150	25	3			0.37
RD072-D213-S20-200		21	20	200	25	3			0.49
RD072-D254-S25-150		25	25	150	40	4			0.58
RD072-D254-S25-200		25	25	200	40	4			0.77
RD072-D254-S25-250		25	25	250	40	4			0.96
RD072-D255-S25-150	RD072-D255-A25-150	25	25	150	40	5		③	0.58
RD072-D255-S25-200		25	25	200	40	5			0.77
RD072-D255-S25-250		25	25	250	40	5			0.96
RD072-D264-S25-150		26	25	150	25	4		④	0.58
RD072-D264-S25-200		26	25	200	25	4			0.77
RD072-D264-S25-250		26	25	250	25	4			0.96
RD072-D265-S25-150		26	25	150	25	5			0.58
RD072-D265-S25-200		26	25	200	25	5			0.77
RD072-D265-S25-250		26	25	250	25	5			0.96
RD072-D355-S32-150		35	32	150	30	5			0.95
RD072-D355-S32-200		35	32	200	30	5			1.26
RD072-D355-S32-250		35	32	250	30	5			1.58
RD072-D355-S32-300		35	32	300	30	5			1.89
RD072-D356-S32-150		35	32	150	30	6			0.95
RD072-D356-S32-200		35	32	200	30	6			1.26
RD072-D356-S32-250		35	32	250	30	6			1.58
RD072-D356-S32-300		35	32	300	30	6			1.89

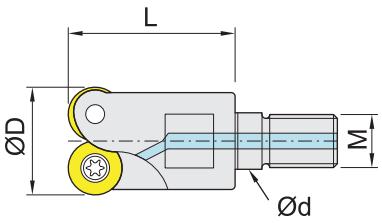
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
RD103-D202-S20-150	RD103-D202-A20-150	20	20	150	40	2	RD..1003..	⑤	0.37
RD103-D202-S20-200		20	20	200	40	2			0.49
RD103-D212-S20-150	RD103-D212-A20-150	21	20	150	25	2			0.37
RD103-D212-S20-200		21	20	200	25	2			0.49
RD103-D253-S25-150	RD103-D253-A25-150	25	25	150	40	3			0.58
RD103-D253-S25-200	RD103-D253-A25-200	25	25	200	40	3			0.77
RD103-D253-S25-250		25	25	250	40	3			0.96
RD103-D263-S25-150		26	25	150	25	3			0.58
RD103-D263-S25-200	RD103-D263-A25-200	26	25	200	25	3			0.77
RD103-D263-S25-250		26	25	250	25	3			0.96
RD103-D303-S25-150	RD103-D303-A25-150	30	25	150	25	3	RD..1003..	⑥	0.58
RD103-D303-S25-200		30	25	200	25	3			0.77
RD103-D303-S25-250		30	25	250	25	3			0.96
RD103-D323-S32-150	RD103-D323-A32-150	32	32	150	40	3	RD..1003..	⑦	0.95
RD103-D323-S32-200	RD103-D323-A32-200	32	32	200	40	3			1.26
RD103-D323-S32-250		32	32	250	40	3			1.58
RD103-D323-S32-300		32	32	300	40	3			1.89
RD103-D353-S32-150		35	32	150	35	3			0.95
RD103-D353-S32-200		35	32	200	35	3			1.26
RD103-D353-S32-250		35	32	250	35	3			1.58
RD103-D353-S32-300		35	32	300	35	3			1.89
RD103-D354-S32-150	RD103-D354-A32-150	35	32	150	35	4			0.95
RD103-D354-S32-200		35	32	200	35	4			1.26
RD103-D354-S32-250		35	32	250	35	4			1.58
RD103-D354-S32-300		35	32	300	35	4			1.89

Insert	Spare parts	Screw	Wrench	Clamp	Wrench
RD..0501..	①	MS2003A	ETF06	--	--
RD..0501..	②	MS2004A	ETF06	--	--
RD..0702..	③	MS2505E	ETF08	--	--
RD..0702..	④	MS2506E	ETF08	--	--
RD..1003..	⑤	MS3507A	ETF15	--	--
RD..1003..	⑥	MS3509A	ETF15	--	--
RD..1003..	⑦	MS3509A	--	MC35-3V	ETF15

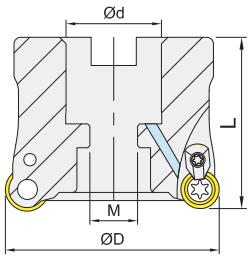
被切削材 Workpiece material							
	Steel 鋼	P	●	●	●		
	Stainless steel 不銹鋼	M	●	●	●		
	Cast iron 鑄鐵	K	●	●			
	Non-ferrous metal 非鐵金屬	N	●			●	●

Insert Shape	Description	GRADE 材質					Dimensions,mm		
		Coated 塗層			Uncoated 無塗層				
		5020	TW951	CY250	GX03	HF7	lc	S	d1
	RDMW0501MO		●				5	1.5	2.2
	RDMW0702MO		●				7	2.38	2.8
	RDHT0702AL				●		7	2.38	2.8
	RDHT0702MO-FA					●	7	2.38	2.8
	RDMW0702MOEN	●		●			7	2.38	2.8
	RDMW1003MO		●				10	3.18	4.4
	RDHT1003AL				●		10	3.18	4.4
	RDHT1003MO-FA					●	10	3.18	4.4

RD 圓刃銑刀
CORNER ROUNDING END MILLS (RD)



Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
RD051-D092-MD08		9	4.5	15	M4	2	RD..0501..	①	0.02
RD051-D102-MD10		10	5.5	16	M5	2			0.02
RD051-D112-MD10		11	5.5	18	M5	2	RD..0501..	②	0.02
RD051-D122-MD11		12	6.5	18	M6	2			0.03
RD051-D123-MD11		12	6.5	18	M6	3			0.03
RD051-D132-MD11		13	6.5	18	M6	2			0.03
RD051-D133-MD11		13	6.5	18	M6	3			0.03
RD051-D164-MD14		16	8.5	23	M8	4			0.04
RD051-D174-MD14		17	8.5	23	M8	4			0.04
RD07T-D122-MD14		12	8.5	23	M8	2	RD..07T1..	③	0.04
RD072-D152-MD14		15	8.5	23	M8	2	RD..0702..	④	0.03
RD072-D162-MD14	RD072-D162-AMD14	16	8.5	23	M8	2		⑤	0.04
RD072-D163-MD14	RD072-D163-AMD14	16	8.5	23	M8	3			0.04
RD072-D172-MD14		17	8.5	23	M8	2			0.04
RD072-D173-MD14		17	8.5	23	M8	3			0.04
RD072-D203-MD18	RD072-D203-AMD18	20	10.5	30	M10	3			0.07
RD072-D212-MD18		21	10.5	30	M10	2			0.07
RD072-D213-MD18		21	10.5	30	M10	3			0.07
RD072-D223-MD18		22	10.5	30	M10	3			0.10
RD072-D254-MD23	RD072-D254-AMD23	25	12.5	35	M12	4			0.12
RD072-D255-MD23		25	12.5	35	M12	5		④	0.11
RD072-D264-MD23		26	12.5	35	M12	4		⑤	0.13
RD072-D265-MD23	RD072-D265-AMD23	26	12.5	35	M12	5			0.12
RD072-D355-MD29	RD072-D355-AMD29	35	17	43	M16	5			0.26
RD072-D356-MD29	RD072-D356-AMD29	35	17	43	M16	6			0.26
RD103-D202-MD18	RD103-D202-AMD18	20	10.5	30	M10	2	RD..1003..	⑥	0.07
RD103-D212-MD18	RD103-D212-AMD18	21	10.5	30	M10	2			0.07
RD103-D253-MD23	RD103-D253-AMD23	25	12.5	35	M12	3			0.12
RD103-D263-MD23	RD103-D263-AMD23	26	12.5	35	M12	3			0.13
RD103-D303-MD23	RD103-D303-AMD23	30	12.5	35	M12	3	RD..1003..	⑦	0.14
RD103-D323-MD29	RD103-D323-AMD29	32	17	43	M16	3	RD..1003..	⑧	0.24
RD103-D324-MD29	RD103-D324-AMD29	32	17	43	M16	4			0.24
RD103-D353-MD29	RD103-D353-AMD29	35	17	43	M16	3			0.26
RD103-D354-MD29	RD103-D354-AMD29	35	17	43	M16	4			0.24
RD103-D404-MD29	RD103-D404-AMD29	40	17	43	M16	4			0.28
RD103-D424-MD29		42	17	43	M16	4			0.29
RD103-D425-MD29	RD103-D425-AMD29	42	17	43	M16	5			0.30



Metric

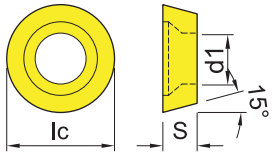
Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
RD103-D425-16.0	**RD103-D425-A16.0**	42	16.0	40	9	5	RD..1003..	⑧	0.29
RD103-D504-22.0		50	22.0	40	11	4			0.37
RD103-D505-22.0		50	22.0	40	11	5			0.35
RD103-D526-22.0	**RD103-D526-A22.0**	52	22.0	40	11	6			0.39

Inch

Item code		Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
RD103-D504-25.4		50	25.4	50	13	4	RD..1003..	⑧	0.43
RD103-D505-25.4		50	25.4	50	13	5			0.42
RD103-D635-25.4		63	25.4	50	13	5			0.67
RD103-D636-25.4		63	25.4	50	13	6			0.67
RD103-D666-25.4		66	25.4	50	13	6			0.69
RD103-D806-25.4		80	25.4	50	13	6			0.94

Insert	Spare parts	Screw	Wrench	Clamp	Wrench
RD..0501..	①	MS2003A	ETF06	--	--
RD..0501..	②	MS2004A	ETF06	--	--
RD..07T1..	③	MS2205C	ETF07	--	--
RD..0702..	④	MS2505E	ETF08	--	--
RD..0702..	⑤	MS2506E	ETF08	--	--
RD..1003..	⑥	MS3507A	ETF15	--	--
RD..1003..	⑦	MS3509A	ETF15	--	--
RD..1003..	⑧	MS3509A	--	MC35-3V	ETF15

被切削材 Workpiece material							
	Steel 鋼	P	●	●	●		
	Stainless steel 不銹鋼	M	●	●	●		
	Cast iron 鑄鐵	K	●	●			
	Non-ferrous metal 非鐵金屬	N	●			●	●

Insert Shape	Description	GRADE 材質					Dimensions,mm		
		Coated 塗層			Uncoated 無塗層				
		5020	TW951	CY250	GX03	HF7	Ic	S	d1
	**RDMW0501MO**		●				5	1.5	2.2
	RDMW0702MO		●				7	2.38	2.8
	RDHT0702AL				●		7	2.38	2.8
	RDHT0702MO-FA					●	7	2.38	2.8
	RDMW0702MOEN	●		●			7	2.38	2.8
	RDMW1003MO		●				10	3.18	4.4
	RDHT1003AL				●		10	3.18	4.4
	RDHT1003MO-FA					●	10	3.18	4.4

TR 圓刃銑刀
CORNER ROUNDING END MILLS (TR)

FIG-1

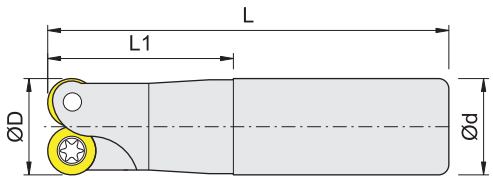


FIG-2

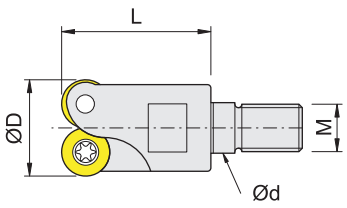
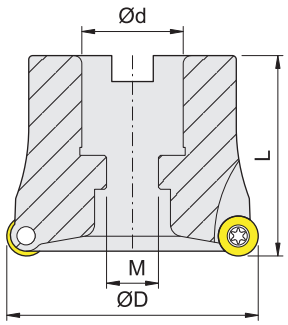


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	L1				
TR103-D202-S20-150	20	20	150	40	2	RD..1003.. (SAFETY)	①	0.37
TR103-D202-S20-200	20	20	200	40	2			0.49
TR103-D212-S20-150	21	20	150	25	2			0.37
TR103-D212-S20-200	21	20	200	25	2			0.49
TR103-D253-S25-150	25	25	150	40	3			0.58
TR103-D253-S25-200	25	25	200	40	3			0.77
TR103-D253-S25-250	25	25	250	40	3			0.96
TR103-D262-S25-150	26	25	150	25	2			0.58
TR103-D262-S25-200	26	25	200	25	2			0.77
TR103-D262-S25-250	26	25	250	25	2			0.96
TR103-D263-S25-150	26	25	150	25	3			0.58
TR103-D263-S25-200	26	25	200	25	3			0.77
TR103-D263-S25-250	26	25	250	25	3			0.96
TR103-D263-S25-300	26	25	300	25	3			1.16
TR103-D303-S25-150	30	25	150	25	3	RD..1003.. (SAFETY)	②	0.58
TR103-D303-S25-200	30	25	200	25	3			0.77
TR103-D303-S25-250	30	25	250	25	3			0.96
TR103-D323-S32-150	32	32	150	40	3			0.95
TR103-D353-S32-150	35	32	150	35	3			0.95
TR103-D353-S32-200	35	32	200	35	3			1.26
TR103-D353-S32-250	35	32	250	35	3			1.58
TR103-D353-S32-300	35	32	300	35	3			1.89
TR103-D354-S32-150	35	32	150	35	4			0.95
TR103-D354-S32-200	35	32	200	35	4			1.26
TR103-D354-S32-250	35	32	250	35	4			1.58
TR103-D354-S32-300	35	32	300	35	4			1.89

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	M				
TR103-D202-MD18	20	10.5	30	M10	2	RD..1003.. (SAFETY)	①	0.07
TR103-D212-MD18	21	10.5	30	M10	2			0.07
TR103-D253-MD23	25	12.5	35	M12	3			0.12
TR103-D263-MD23	26	12.5	35	M12	3			0.13
TR103-D303-MD23	30	12.5	35	M12	3	RD..1003.. (SAFETY)	②	0.14
TR103-D353-MD29	35	17	43	M16	3			0.26
TR103-D354-MD29	35	17	43	M16	4			0.26

R角加工 | 曲面加工 | 平面加工



Metric

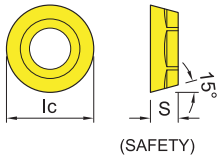
Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	M				
TR103-D504-22.0	50	22.0	40	11	4	RD..1003.. (SAFETY)	②	0.36
TR103-D504-22.0-50H	50	22.0	50	11	4			0.47
TR103-D505-22.0	50	22.0	40	11	5			0.35
TR103-D505-22.0-50H	50	22.0	50	11	5			0.46
TR103-D666-27.0	66	27.0	50	13	6			0.76
TR12-D404-16.0	40	16.0	40	9	4	RD..12T3.. (SAFETY)	②	0.21
TR12-D505-22.0	50	22.0	40	11	5			0.35
TR12-D636-22.0	63	22.0	40	11	6			0.72

Inch

Item code	Dimensions,mm				Teeth	Insert	Spare parts	Weight Kg
	D	d	L	M				
TR103-D504-25.4	50	25.4	50	13	4	RD..1003.. (SAFETY)	②	0.44
TR103-D505-25.4	50	25.4	50	13	5			0.41
TR103-D635-25.4	63	25.4	50	13	5			0.73
TR103-D636-25.4	63	25.4	50	13	6			0.79
TR103-D666-25.4	66	25.4	50	13	6			0.80

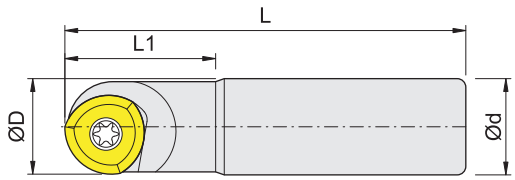
Insert	Spare parts	Screw	Wrench
RD..1003..	①	MS3507A	ETF15
RD..1003.. RD..12T3..	②	MS3509A	ETF15

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	●

Insert Shape	Description	GRADE 材質 / Coated 塗層 / 5020	Dimensions,mm Ic	S
	**RDMW1003MOSN-F6**	●	10.0	3.18
	RDMW12T3MOSN-F6	○	12.0	3.97

SE 球型銑刀
BALL END MILLS (SE)

R角加工 | 曲面加工



Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
SE12-S12-150	12	12	150	25	1	QPMT120903-EN21	MS3008A	ETF09	0.13
SE12-S16-150	12	16	150	35	1				0.24
SE12-S16-200	12	16	200	35	1				0.32
SE16-S16-150	16	16	150	35	1	QPMT1612T3-SN21	MS4009A	ETF15	0.24
SE16-S16-200	16	16	200	35	1				0.32
SE16-S20-150	16	20	150	35	1				0.37
SE16-S20-200	16	20	200	35	1				0.49
SE20-S20-150	20	20	150	40	1	QPMT201504-SN21	MS4011A	ETF15	0.37
SE20-S20-200	20	20	200	40	1				0.49
SE20-S25-200	20	25	200	40	1				0.77
SE20-S25-250	20	25	250	40	1				0.96

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	

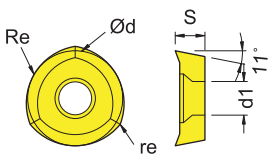
Insert Shape	Description	GRADE 材質 / Coated 塗層 / GA45	Dimensions,mm				
			d	S	d1	Re	re
	**QPMT120903-EN21**	●	9.52	3.18	3.4	5.796	0.8
	QPMT1612T3-SN21	●	12.70	3.97	4.4	7.727	0.8
	QPMT201504-SN21	●	15.87	4.76	4.4	9.659	0.8

FIG-1

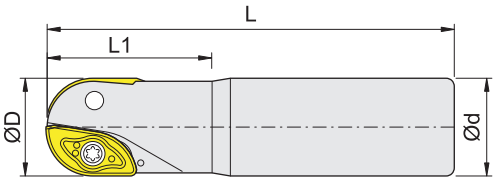
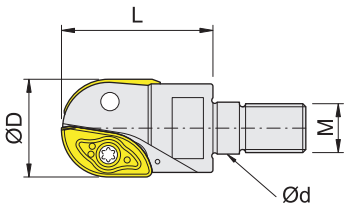
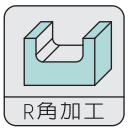


FIG-2

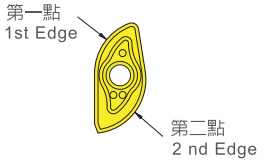


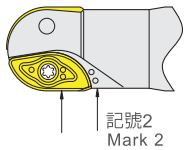


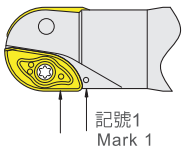
Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
SR122-S12-150	12	12	150	25	2	ZP 1200 ER-..	MS2505B	ETF09	0.13
SR122-S12-200	12	12	200	25	2				0.18
SR162-S16-150	16	16	150	30	2	ZP 1600 ER-..	MS2506A	ETF09	0.24
SR162-S16-200	16	16	200	30	2				0.32
SR162-S20-200	16	20	200	35	2				0.49
SR202-S20-150	20	20	150	35	2	ZP 2000 ER-..	MS3508F	ETF10	0.37
SR202-S20-200	20	20	200	35	2				0.49
SR202-S25-150	20	25	150	50	2				0.58
SR202-S25-200	20	25	200	50	2				0.77
SR252-S25-150	25	25	150	40	2	ZP 2500 ER-..	MS4011A	ETF15	0.58
SR252-S25-200	25	25	200	40	2				0.77
SR252-S25-250	25	25	250	40	2				0.96

Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
SR122-MD11	12	6.5	23	M6	2	ZP 1200 ER-..	MS2505B	ETF09	0.03
SR162-MD14	16	8.5	30	M8	2	ZP 1600 ER-..	MS2506A	ETF09	0.05
SR202-MD18	20	10.5	35	M10	2	ZP 2000 ER-..	MS3508F	ETF10	0.07
SR252-MD23	25	12.5	40	M12	2	ZP 2500 ER-..	MS4011A	ETF15	0.12

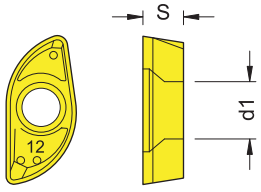
刀片裝置方式
Insert Assembly







被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K		●
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm	
		JW916	5020	S	d1
	**ZP1200ER**	●		2.38	2.9
	ZP1600ER	●		3.18	2.9
	ZP2000ER	○		3.97	4.0
	ZP2500ER	●		4.76	4.7
	ZP1200ER-51		●	2.38	2.9
	ZP1600ER-51		●	3.18	2.9
	ZP2000ER-51		●	3.97	4.0
	ZP2500ER-51		●	4.76	4.7

WGR 球型銑刀
BALL PRECISION CUTTERS (WGR)

R角加工 曲面加工

FIG-1

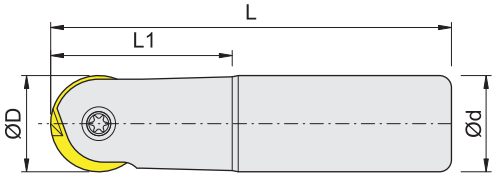


FIG-2

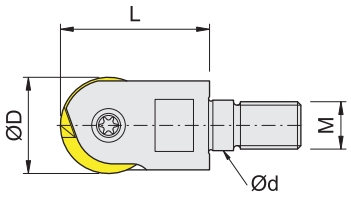


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
WGR08-S08-100	8	8	100	20	1	WGRMT-D08	MGR3008	ETF08	0.04
WGR08-S10-100	8	10	100	35	1				0.06
WGR10-S10-100	10	10	100	25	1	WGRMT-D10	MGR4010	ETL15	0.06
WGR10-S12-150	10	12	150	36	1				0.13
WGR12-S12-150	12	12	150	32	1	WGRMT-D12	MGR5012	ETL20	0.13
WGR12-S16-200	12	16	200	58	1				0.32
WGR16-S16-150	16	16	150	36	1	WGRMT-D16	MGR5016	ETL20	0.24
WGR16-S16-200	16	16	200	36	1				0.32
WGR16-S20-200	16	20	200	65	1				0.49
WGR20-S20-150	20	20	150	45	1	WGRMT-D20	MGR5020	ETL20	0.37
WGR20-S20-200	20	20	200	45	1				0.49
WGR20-S25-200	20	25	200	76	1				0.77
WGR20-S25-250	20	25	250	76	1				0.96
WGR25-S25-200	25	25	200	45	1	WGRMT-D25	MGR6025	ETL30	0.77
WGR25-S25-250	25	25	250	45	1				0.96
WGR25-S32-200	25	32	200	98	1				1.26
WGR25-S32-250	25	32	250	98	1				1.58
WGR25-S32-300	25	32	300	98	1				1.89
WGR30-S32-200	30	32	200	50	1	WGRMT-D30 (WGRMT-D32)	MGR8030	ETL30	1.26
WGR30-S32-250	30	32	250	50	1				1.58
WGR30-S32-300	30	32	300	50	1				1.89

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
WGR08-MD08	8	4.5	16	M4	1	WGRMT-D08	MGR3008	ETF08	0.02
WGR08-MD08-M05	8	5.5	16	M5	1				0.02
WGR10-MD10	10	5.5	20	M5	1	WGRMT-D10	MGR4010	ETL15	0.02
WGR12-MD11	12	6.5	22	M6	1	WGRMT-D12	MGR5012	ETL20	0.03
WGR12-MD14	12	8.5	30	M8	1				0.03
WGR16-MD14	16	8.5	28	M8	1	WGRMT-D16	MGR5016	ETL20	0.04
WGR20-MD18	20	10.5	30	M10	1	WGRMT-D20	MGR5020	ETL20	0.07
WGR25-MD23	25	12.5	40	M12	1	WGRMT-D25	MGR6025	ETL30	0.12
WGR30-MD29	30	17	43	M16	1	WGRMT-D30 (WGRMT-D32)	MGR8030	ETL30	0.24

FIG-1

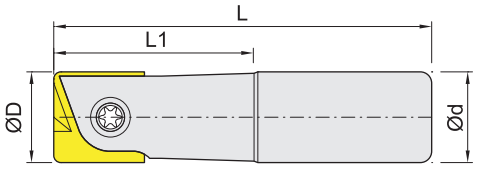
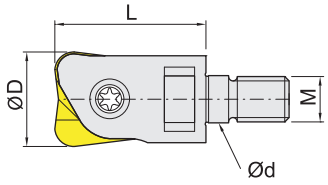


FIG-2

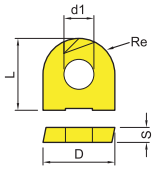
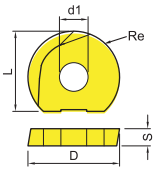
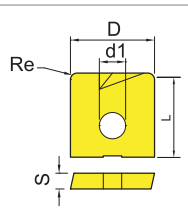


R角加工

FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
GWV12-S12-150	12	12	150	30	1	WPV 12-N-SIst	MGR5012	ETL20	0.13
GWV16-S16-150	16	16	150	35	1	WPV 16-N-SIst	MGR5016	ETL20	0.24
GWV16-S16-200	16	16	200	35	1				0.32
GWV20-S20-150	20	20	150	40	1	WPV 20-N-SIst	MGR5020	ETL20	0.37
GWV20-S20-200	20	20	200	40	1				0.49

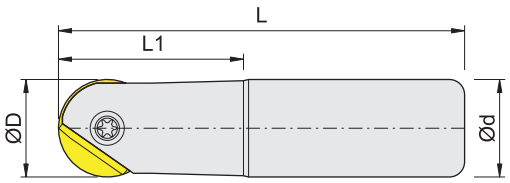
FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
GWV20-MD18	20	10.5	30	M10	1	WPV 20-N-SIst	MGR5020	ETL20	0.07
GWV25-MD23	25	12.5	40	M12	1	WPV 25-N-SIst	MGR6025	ETL30	0.15

被切削材 Workpiece material			
	Steel 鋼	P	●
	Stainless steel 不銹鋼	M	●
	Cast iron 鑄鐵	K	●
	Non-ferrous metal 非鐵金屬	N	

Insert Shape	Description	GRADE 材質 / Coated 塗層 / GA45	Dimensions,mm				
			$D^{+0}_{-0.03}$	S	d1	L	Re
D08-D12 	**WGRMT-D08-FR**	●	8	2.0	3	9.5	4.0
	WGRMT-D10-FR	●	10	2.5	4	11.5	5.0
	WGRMT-D12-FR	●	12	2.5	5	12.0	6.0
D16-D30 	**WGRMT-D16-FR**	●	16	3.0	5	14.0	8.0
	WGRMT-D20-FR	●	20	3.0	5	16.0	10.0
	WGRMT-D25-FR	●	25	4.0	6	21.5	12.5
	WGRMT-D30-FR	●	30	5.0	8	25.0	15.0
	WGRMT-D32-FR	○	32	5.0	8	26.0	16.0
WHK 	**WPV 12-N-SIst**	●	12	2.5	5	14.0	1.0
	WPV 16-N-SIst	●	16	3.0	5	16.0	1.0
	WPV 20-N-SIst	●	20	3.0	5	18.0	1.6
	WPV 25-N-SIst		25	4.0	6	23.5	2.0

PPH 球型精銑刀
BALL PRECISION CUTTERS (PPH)

FIG-1



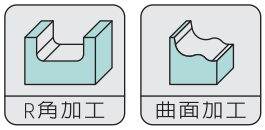


FIG-2

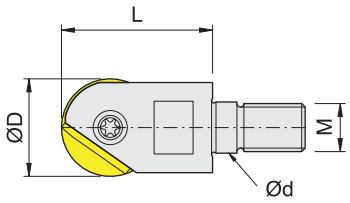
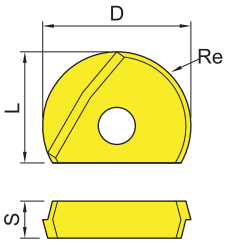


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
PPH08-S08-100	8	8	100	20	1	PHB08..	DVF6240	ETF07	0.04
PPH08-S10-100	8	10	100	35	1				0.06
PPH10-S10-100	10	10	100	25	1	PHB10..	DVF6241	ETF08	0.06
PPH10-S12-100	10	12	100	36	1				0.09
PPH10-S12-150	10	12	150	36	1				0.13
PPH12-S12-150	12	12	150	32	1	PHB12..	DVF6242	ETF10	0.13
PPH12-S16-200	12	16	200	58	1				0.32
PPH16-S16-150	16	16	150	36	1	PHB16..	DVF6244	ETL15	0.24
PPH16-S16-200	16	16	200	36	1				0.32
PPH16-S20-200	16	20	200	65	1				0.49
PPH20-S20-150	20	20	150	45	1	PHB20..	DVF6246	ETL20	0.37
PPH20-S20-200	20	20	200	45	1				0.49
PPH20-S25-200	20	25	200	76	1				0.77
PPH20-S25-250	20	25	250	76	1				0.96
PPH25-S25-200	25	25	200	45	1	BNM-250..	DVF6247	ETL30	0.77
PPH25-S25-250	25	25	250	45	1				0.96
PPH25-S32-200	25	32	200	98	1				1.26
PPH25-S32-250	25	32	250	98	1				1.58
PPH25-S32-300	25	32	300	98	1				1.89

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
PPH08-MD08	8	4.5	16	M4	1	PHB08..	DVF6240	ETF07	0.02
PPH10-MD10	10	5.5	20	M5	1	PHB10..	DVF6241	ETF08	0.02
PPH12-MD11	12	6.5	22	M6	1	PHB12..	DVF6242	ETF10	0.03
PPH16-MD14	16	8.5	28	M8	1	PHB16..	DVF6244	ETL15	0.04
PPH20-MD18	20	10.5	30	M10	1	PHB20..	DVF6246	ETL20	0.07
PPH25-MD23	25	12.5	40	M12	1	BNM-250..	DVF6247	ETL30	0.12

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M		●
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 / Coated 塗層		Dimensions,mm			
		JW912	JC8003	D	S	L	Re
	**PHB08**	●		8	2.4	7.0	4.0
	PHB10	●		10	2.6	8.5	5.0
	PHB12	●		12	3.0	10.0	6.0
	PHB16	●		16	4.0	12.0	8.0
	PHB20	●		20	5.0	15.0	10.0
	BNM-080		●	8	2.4	7.0	4.0
	BNM-100		●	10	2.6	8.5	5.0
	BNM-120		●	12	3.0	10.0	6.0
	BNM-160		●	16	4.0	12.0	8.0
	BNM-200		●	20	5.0	15.0	10.0
	BNM-250		●	25	6.0	18.5	12.5

R角加工

FIG-1

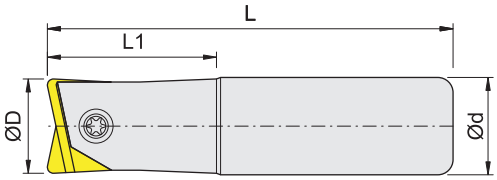


FIG-2

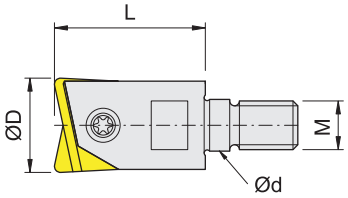
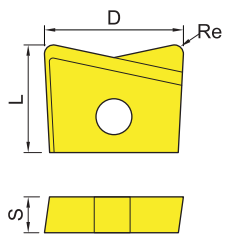


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
PPHT12-S12-150	12	12	150	32	1	SUFT12R10..	DVF6242	ETF10	0.13
PPHT16-S16-150	16	16	150	36	1	SUFT16R10..	DVF6244	ETL15	0.24
PPHT16-S16-200	16	16	200	36	1	SUFT16R10..	DVF6244	ETL15	0.32
PPHT20-S20-150	20	20	150	45	1	SUFT20R15..	DVF6246	ETL20	0.37
PPHT20-S20-200	20	20	200	45	1	SUFT20R15..	DVF6246	ETL20	0.49

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	M					
PPHT12-MD11	12	6.5	22	M6	1	SUFT12R10..	DVF6242	ETF10	0.03
PPHT16-MD14	16	8.5	28	M8	1	SUFT16R10..	DVF6244	ETL15	0.04
PPHT20-MD18	20	10.5	30	M10	1	SUFT20R15..	DVF6246	ETL20	0.07

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm			
		NW948	JC8015	D	S	L	Re
	**SUFT12R10**	●		12	3	10	1.0
	SUFT16R10	●		16	4	12	1.0
	SUFT20R15	●		20	5	15	1.5
	RNM-120-R10		○	12	3	10	1.0
	RNM-160-R10		○	16	4	12	1.0
	RNM-200-R15		○	20	5	15	1.5

T 型銑刀
T-GROOVE MILLING CUTTER (CCT)

溝加工 | T槽加工

FIG-1

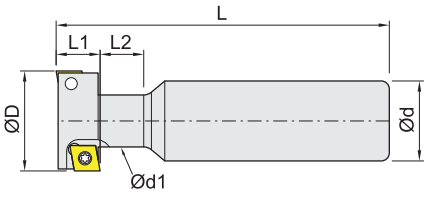


FIG-2

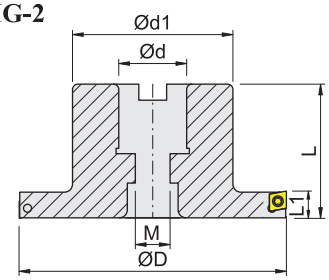


FIG-1 Item code	Dimensions,mm						Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	d1	L	L1	L2					
CCT09-D21-S16-100	21	16	10	100	9	16	2	CCMT060204	MS2506A	ETF09	0.15
NEW CCT09-D234-S20-100	23	20	13	100	9	20	4				0.15
CCT09-D40-S20-150	40	20	19.8	150	9	17	4				0.43
NEW CCT10-D25-S20-90	25	20	12.5	90	10	18	4				0.20
CCT10-D30-S25-100	30	25	14	100	10	21	4				0.33
CCT11-D25-S20-90	25	20	12.5	90	11	17	4				0.20
CCT11-D30-S25-100	30	25	14	100	11	20	4				0.34
CCT11-D40-S20-150	40	20	19.8	150	11	15	4				0.45
CCT14-D32-S25-100	32	25	16	100	14	22	4	CCMT080304	MS3008A	ETF09	0.34
CCT14-D45-S25-150	45	25	24.8	150	14	15	4				0.68
CCT15-D60-S25-160	60	25	24.8	160	15	15	4	CCMT09T308	MS4011A	ETF15	0.83
CCT18-D40-S25-110	40	25	20	110	18	27	4				0.45
CCT18-D50-S25-150	50	25	24.8	150	18	15	4				0.73
NEW CCT18-D50-S25-200	50	25	24.8	200	18	15	4				0.93
CCT22-D50-S32-140	50	32	26	140	22	34	4	CCMT120408	MS5011A	ETF20	0.90

Metric

FIG-2 Item code	Dimensions,mm						Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	d1	L	L1	M					
CCT12-08006-22.0	80	22.0	48	40	12	11	6	CCMT080304	MS3008A	ETF09	0.64

Inch

FIG-2 Item code	Dimensions,mm						Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	d1	L	L1	M					
CCT08-10008-25.4	100	25.4	60	50	8	13	8	CCMT060204	MS2506A	ETF09	1.17
CCT10-12510-31.75	125	31.75	70	50	10	13	10				1.75
CCT12-12510-31.75	125	31.75	70	50	12	13	10				2.15

被切削材 Workpiece material					
	Steel 鋼	P	●		
	Stainless steel 不銹鋼	M	●	●	
	Cast iron 鑄鐵	K	●		●
	Non-ferrous metal 非鐵金屬	N			●

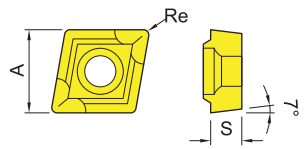
Insert Shape	Description	GRADE 材質			Dimensions,mm		
		Coated 塗層		Cemented Carbide 硬質合金			
		NW948	NV230	NM304	A	S	Re
	CCMT060204	●	○	●	6.35	2.38	0.4
	CCMT080304		●		7.94	3.18	0.4
	CCMT09T308	●	●	●	9.525	3.97	0.8
	CCMT120408	●		●	12.7	4.76	0.8

FIG-1

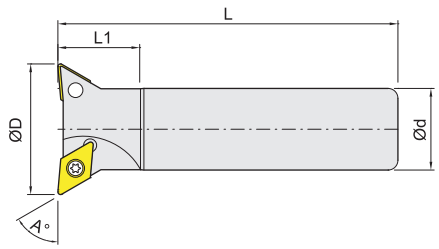


FIG-2

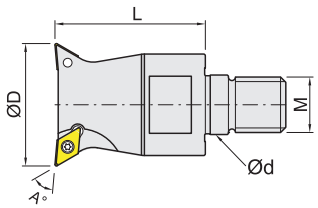
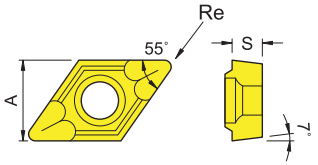


FIG-1 Item code	Dimensions,mm				Teeth	A°	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1						
DCWR60-16-S16-100	16	16	100	20	1	60	DCMT0702..	MS2506B	ETF09	0.22
DCWR60-20-S20-100	20	20	100	25	1	60				0.22
DCWR60-25-S20-120	25	20	120	25	3	60				0.30
DCWR60-30-S20-120	30	20	120	25	3	60				0.31
DCWR60-40-S25-150	40	25	150	25	3	60	DCMT11T3..	MS4011A	ETF15	0.59
DCWR60-44-S25-150	44	25	150	25	3	60				0.61
DCWR60-50-S25-120	50	25	120	30	3	60				0.55
DCWR60-50-S32-150	50	32	150	30	3	60				0.98
DCWR60-56-S32-150	56	32	150	30	4	60				1.02
DCWR60-60-S32-150	60	32	150	30	4	60				1.05
DCWR75-50-S32-150	50	32	150	30	3	75				0.99

FIG-2 Item code	Dimensions,mm				Teeth	A°	Insert	Screw	Wrench	Weight Kg
	D	d	L	M						
NEW **DCWR60-303-MD23**	30	12.5	35	M12	3	60	DCMT0702..	MS2506B	ETF09	0.24
DCWR60-353-MD29	35	17	43	M16	3	60	DCMT0702..	MS2506B	ETF09	0.24
DCWR60-403-MD29	40	17	43	M16	3	60	DCMT11T3..	MS4011A	ETF15	0.22

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description	GRADE 材質		Dimensions,mm		
		Coated 塗層	Cemented Carbide 硬質合金			
		NW948	NM304	A	S	Re
	**DCMT070204**	●		6.35	2.38	0.4
	DCMT11T304	●		9.525	3.97	0.4

倒角刀 CHAMFER MILLS

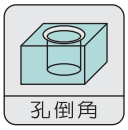


FIG-1

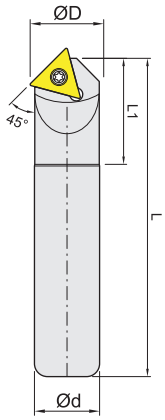
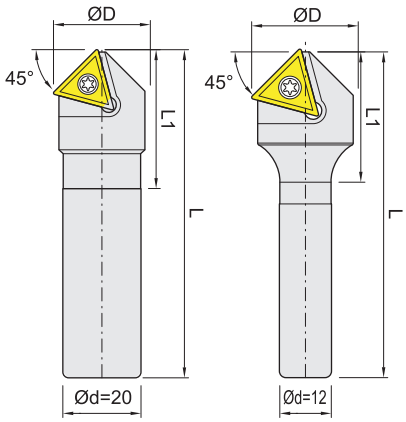


FIG-2



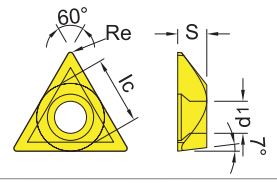
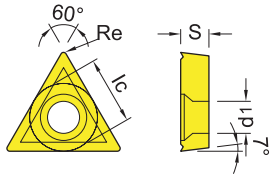
功能：銑床與加工中心機
用於雕刻、銑槽、倒角與中心孔
Application: Engraving, grooving, chamfering and spotting.

FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
TCRM90-20-S20-130	21.5	20	130	35	1	TCMX16T308CR	MS4011A	ETF15	0.32

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight Kg
	D	d	L	L1					
C12-TCR90-22-120 (※1)	25	12	120	30	1	TC..16T3..	MS4011A	ETF15	0.16
C20-TCR90-22-120 (※2)	25	20	120	35	1				0.31

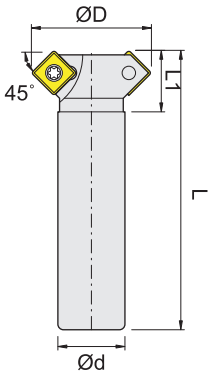
※1 適用於鑽床 Applicable to drilling machine
※2 適用於銑床 Applicable to milling machine

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K	●	
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 / Coated 塗層		Dimensions,mm			
		GQ17	GM38	Ic	S	d1	Re
	**TCMX16T308CR**	●		9.525	3.97	4.4	0.8
	**TCGT16T304EN**		●	9.525	4.00	4.4	0.4

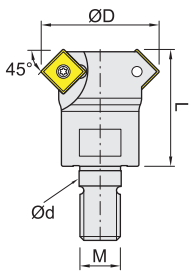
倒角加工

FIG-1



倒角加工

FIG-2



倒角加工

FIG-3

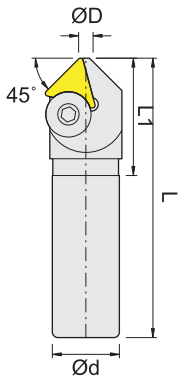
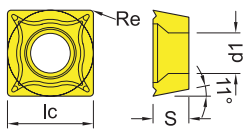
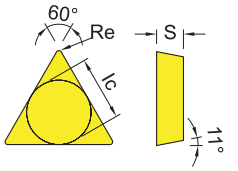


	FIG-1 Item code	Dimensions,mm D	d	L	L1	Teeth	Insert	Screw	Wrench	Weight Kg
NEW	VMSP05R-173-S16-120	17	16	120	20	3	SP..0502	MS2005A	ETF06	0.19
	C20-VMSP22-120	22	20	120	30	1	SP..0903	MS4009A	ETF15	0.28
	C16-VMSP26.5-120	26.5	16	120	17	2				0.21
	C20-VMSP35-120	35	20	120	17	2	SP..0903	MS4011A	ETF15	0.33
NEW	VMSP12R-503-S32-150	50	32	150	40	3	SP..1203	MS5011A	ETF20	0.30

FIG-2 Item code	Dimensions,mm D	d	L	M	Teeth	Insert	Screw	Wrench	Weight Kg
VMSP09R-353-MD23	35	12.5	35	M12	3	SP..0903..	MS4011A	ETF15	0.15

FIG-3 Item code	Dimensions,mm D	d	L	L1	Teeth	Insert	Screw	Wrench	Weight Kg
C20-TPR90-120	4	20	120	35	1	TP..1603..	MSR63	PL40	0.30

被切削材 Workpiece material							
	Steel 鋼	P	●	●	●	●	●
	Stainless steel 不銹鋼	M	●	●	●	●	●
	Cast iron 鑄鐵	K	●	●		●	●
	Non-ferrous metal 非鐵金屬	N					

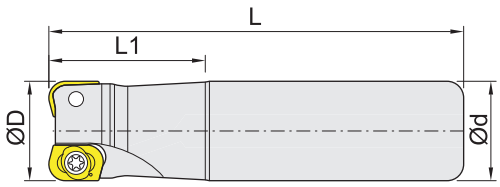
Insert Shape	Description	GRADE 材質 Coated 塗層 MW913	MW915	MW916	Uncoated 無塗層 NY942	NM936	Dimensions,mm Ic	S	d1	Re
	SPMT050204	●					5.0	2.38	2.25	0.4
	SPMT090304		●	●	●		9.525	3.18	4.4	0.4
	SPMT090308		●	●	●		9.525	3.18	4.4	0.8
	SPMW120308				○	●	12.7	4.76	5.5	0.8
	TPMN160308					●	9.525	3.18	--	0.8

MEMO

英制規格

IMPERIAL

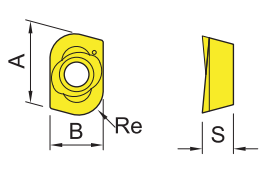
ASM..R 直角端銑刀(英制)
SHOULDER / CUTTING END MILLS (ASM..R)(INCH)



Item code		Dimensions,inch				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
ASM07-I032-S03-40R		0.375	0.375	5	0.984	2	EDMT0702..R	①	0.09
ASM07-I043-S04-40R		0.5	0.5	5	1.378	3			0.14

Insert	Spare parts	Screw	Wrench
EDMT0702..R	①	MS1804A	ETF06

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K	●	
	Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm			
		JP4020	JP4120	A	B	S	Re
	**EDMT070220R-T**	●		6.4	4.3	2.5	2.0
	EDMT070220R		○				2.0

溝加工 | 側面加工 | 平面加工

FIG-1

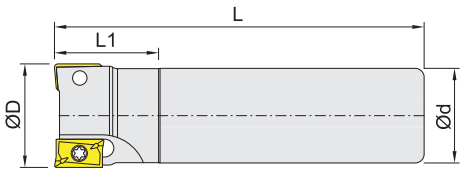


FIG-2

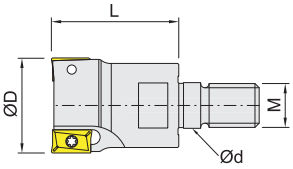


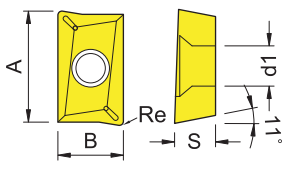
FIG-1 Item code		Dimensions,inch				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
CAP4-I082-S08-48T		1	1	6	1.789	2	APKT1604	①	0.61
CAP4-I082-S08-64T		1	1	8	1.789	2			0.80
CAP4-I082-U08-48T※		1	1	6	1.789	2			0.80

※檔缺 (※ Weldon Shank)

FIG-2 Item code		Dimensions,inch				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M				
CAP4-I082-MD23		1	0.492	1.378	M12	2	APKT1604	①	0.12

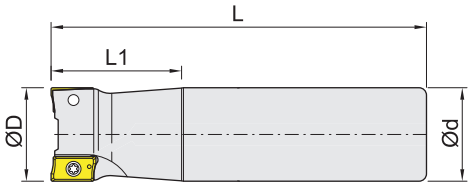
Insert	Spare parts	Screw	Wrench
APKT1604..	①	MS4009A	ETF15

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description	GRADE 材質		Dimensions,mm				
		Coated 塗層	Uncoated 無塗層					
		IC328	H01	A	B	S	d1	Re
	**APKT1604PDR-HM**	●		16.5	9.52	5.3	4.4	0.8
	APKT1604PDFR-MA		●					0.2

VAX 直角端銑刀(英制)
SHOULDER / CUTTING END MILLS (VAX) (INCH)

溝加工 | 側面加工 | 平面加工

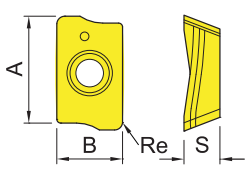


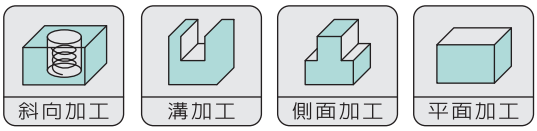
Item code 無水孔Non-coolant	Item code 水孔Coolant	Dimensions,inch D	d	L	L1	Teeth	Insert	Spare parts	Weight Kg
VAX11-I052-U05-28T※		0.625	0.625	3.54	1.25	2	R390-11T3..	①	0.13
VAX11-I063-S06-48T		0.75	0.75	6	2	3			0.33
VAX17-I082-S08-48T		1	1	6	1.75	2	R390-1704..	②	0.58

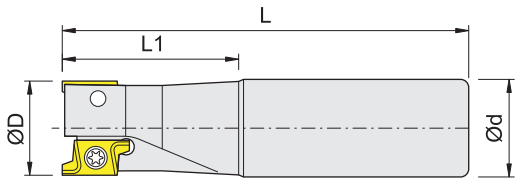
※檔缺 (※ Weldon Shank)

Insert	Spare parts	Screw	Wrench
R390-11T3..	①	MS2506B	ETF09
R390-1704..	②	MS3509A	ETF15

被切削材 Workpiece material				
	Steel 鋼	P	●	●
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K	●	
	Non-ferrous metal 非鐵金屬	N	●	

Insert Shape	Description	GRADE 材質 Coated 塗層 1025	4240	Dimensions,mm A	B	S	Re
	**R390-11T308E-PL**	●		11	6.8	3.59	0.8
	R390-11T308M-PM		●				
	R390-170408M-PL		●	17	9.6	4.76	0.8
	R390-170408M-PM		●				

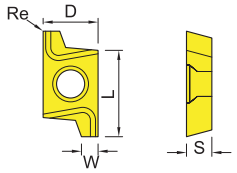




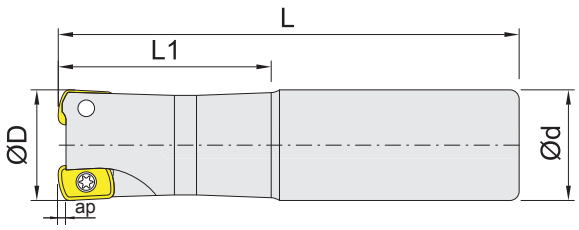
Item code		Dimensions,inch				Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1				
RT07-I03A2-S03-22T		0.39	0.375	2.75	0.79	2	RT-0702..	①	0.05
RT07-I042-S04-24T		0.5	0.5	2.95	1.18	2		②	0.08
RT07-I053-S05-32T		0.625	0.625	4	1.38	3			0.16

Insert	Spare parts	Screw	Wrench
RT-0702..	①	MS2004A	ETF06
RT-0702..	②	MS2005A	ETF06

被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	●
	Cast iron 鑄鐵	K	●	●
	Non-ferrous metal 非鐵金屬	N	●	

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm				
		5020	2003	D	S	L	Re	W
	**RT070204 R-11**	●	○	4.3	2.38	6.4	0.4	1.1
	RT070204 R-81	●	○	4.3	2.38	6.4	0.4	1.1

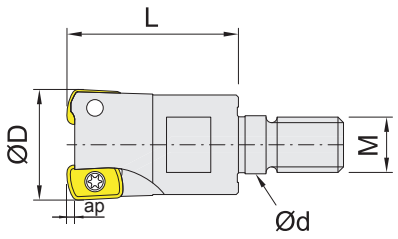
ASRS 高進給銑刀(英制)
HIGH FEED MILLING (ASRS) (INCH)



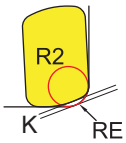
Item code		Dimensions,inch					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1	ap (mm)				
ASRS-I052-S05-32T		0.625	0.625	4	1.25	1.5	2	EPMT0603TN-8	①	0.16
ASRS-I063-S06-40T		0.75	0.75	5	1.5		3			0.28
ASRS-I063-S06-48T		0.75	0.75	6	1.5		3			0.30
ASRS-I084-S08-48T		1	1	6	1.75		4			0.60

Insert	Spare parts	Screw	Wrench
EPMT0603TN-8	①	MS2506B	ETF09

斜向加工 | 曲面加工 | 平面加工



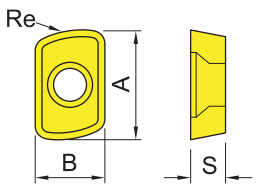
Item code		Dimensions,inch					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap (mm)				
ASRS-I084-MD23		1	0.492	1.378	M12	1.5	4	EPMT0603TN-8	①	0.13



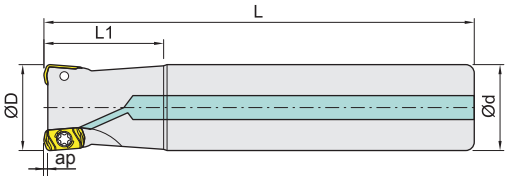
編製CAM程序時，請將ASRS設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量
When using the ASRS, please program the approximate radius as indicated.
The approximate uncut portions for the program are as follows.

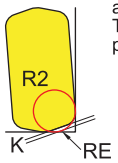
刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
EP..-8	2.0	0.497

被切削材 Workpiece material					
Steel 鋼	P	●	●	●
Stainless steel 不銹鋼	M	●		
Cast iron 鑄鐵	K	●	●	
Non-ferrous metal 非鐵金屬	N			

Insert Shape	Description	GRADE 材質 Coated 塗層			Dimensions,mm			
		JP4020	JS4045	JS4060	A	B	S	Re
	**EPMT0603TN-8**	●	●	●	10	6.35	3.18	8

EXN 高進給銑刀(英制)
HIGH FEED MILLING (EXN) (INCH)





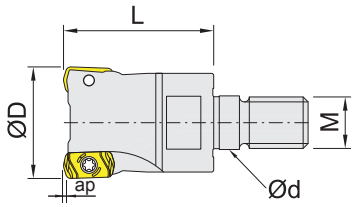
編製CAM程序時，請將EXN設為圓弧頭銑刀，此時的近似刀尖圓弧半徑RE值及切削殘留量

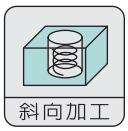
When using the EXN, please program the approximate radius as indicated.
The approximate uncut portions for the program are as follows.

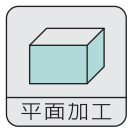
刀片大小 Item size	近似RE(mm) Approx. RE	殘留量K(mm) Remains
LNMU03	2.0	0.25

Item code		Dimensions,inch					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	L1	ap (mm)				
EXN3-I052-S05-32T		0.625	0.625	4	1.26	1.0	2	LNMU03...	①	0.15
	EXN3-I052-A05-48T	0.625	0.625	6	1.58		2			0.22
EXN3-I062-S06-48T		0.75	0.75	6	1.58		2			0.34
EXN3-I063-S06-48T		0.75	0.75	6	1.58		3			0.34
EXN3-I084-S08-40T		1	1	5	1.58		4			0.49
EXN3-I105-S10-48T		1.25	1.25	6	1.77		5			0.90

Insert	Spare parts	Screw	Wrench
LNMU03...	①	MS2506E	ETF08

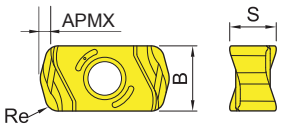






Item code		Dimensions,inch					Teeth	Insert	Spare parts	Weight Kg
無水孔Non-coolant	水孔Coolant	D	d	L	M	ap (mm)				
EXN3-I084-MD23		1	0.492	1.378	M12	1.0	4	LNMU03...	①	0.13

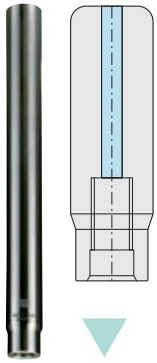
被切削材 Workpiece material				
Steel 鋼	P	●	●
Stainless steel 不銹鋼	M		●
Cast iron 鑄鐵	K	●	
Non-ferrous metal 非鐵金屬	N		

Insert Shape	Description	GRADE 材質 Coated 塗層		Dimensions,mm			
		AH725	AH130	B	S	Re	APMX
	**LNMU0303-ZER-MJ**	●	●	6	4.29	1.2	1.0
	LNMU0303-ZER-ML	●	●				

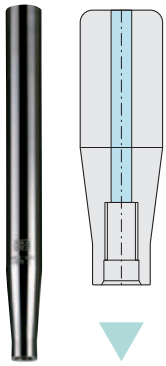
連接式刀桿
EXTENSION ADAPTER

Arbor

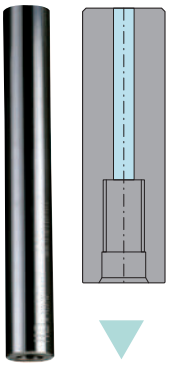
MD..



MD..



HD..
鎢鋼柄
Carbide

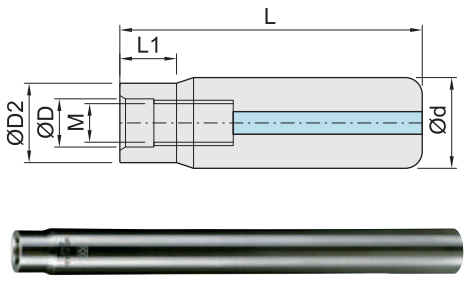
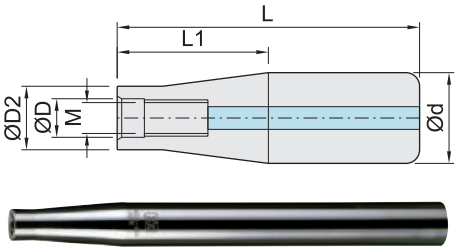
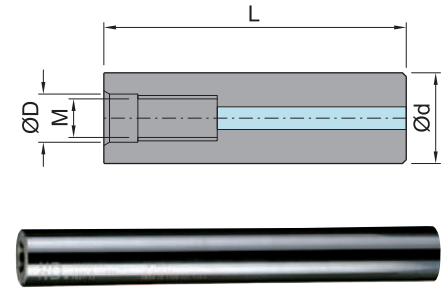


APM.. P.201 | BAP.. P.205 | BXD.. P.207 | ASM.. P.209 | ASM..R P.210 | AHU.. P.212 | ASPV.. P.215 | UEX.. P.218 | WEX.. P.220 | WEM.. P.222 | MEC.. P.224 | CCN.. P.262

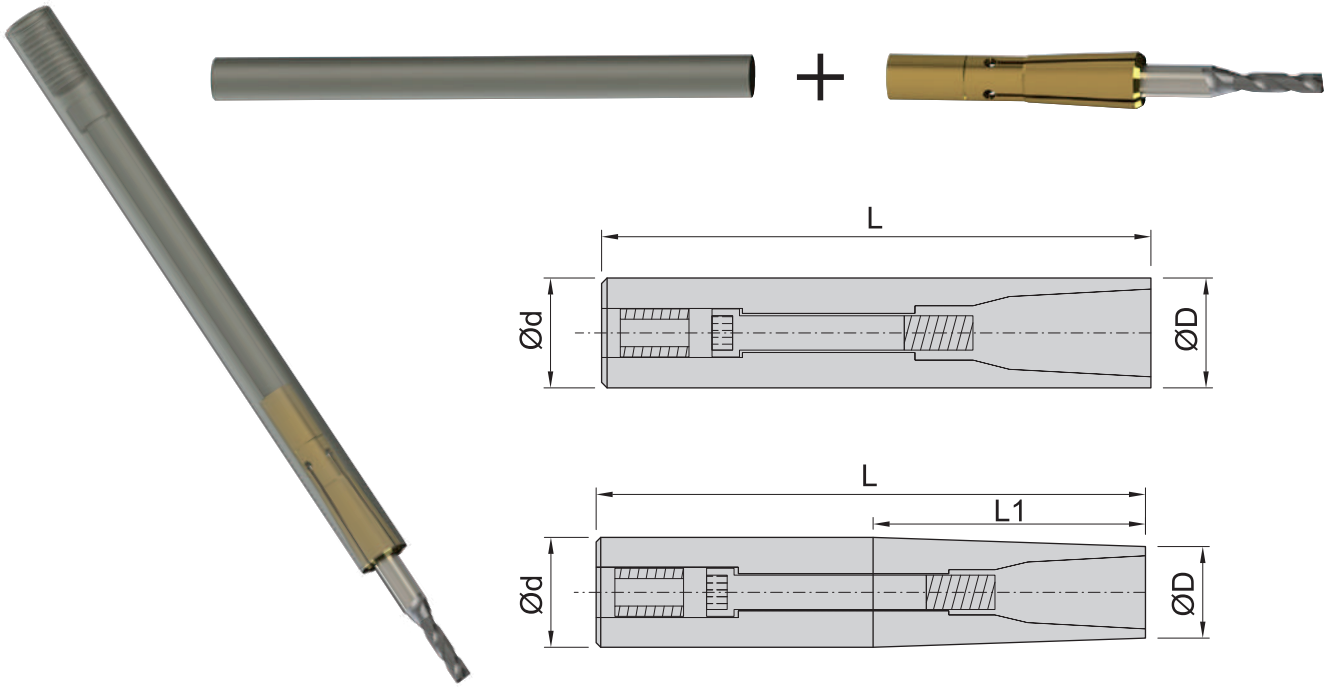
TE90A.. P.233 | AKS.. P.236 | CAP.. P.228 | VAX.. P.239 | PTN.. P.242 | AQXR.. P.248 | AJU.. P.250 | ASJ.. P.252 | RT.. P.257 | ATN.. P.262 | AJX.. P.264

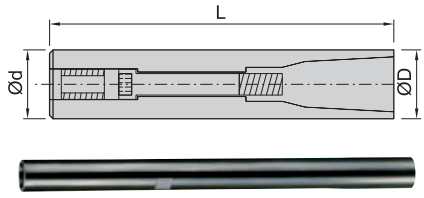
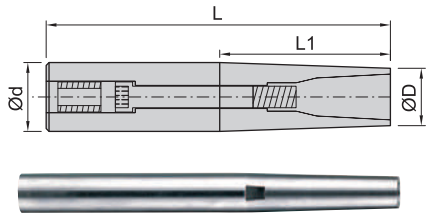
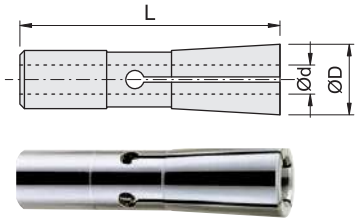
ASRF4.. P.266 | ASR.. P.267 | ASRS.. P.269 | ASRS..C P.270 | ASS.. P.271 | MFH.. P.274 | PBN.. P.276 | EXN.. P.278 | TEBL.. P.280 | BRP.. P.281 | HAR.. P.285

RD.. P.291 | TR.. P.293 | SR.. P.296 | WGR.. P.297 | GWV.. P.298 | PPH.. P.299 | PPHT.. P.300 | DCWR.. P.302 | VMSP.. P.304 | TB.. P.328

SHAPE	Item code	Dimensions,mm						Weight Kg
		d	L	M	D	D2	L1	
 Steel shank + Coolant Hole 鋼柄水孔	MD10-S16-150K	16	150	M5	5.5	10	7	0.24
	MD11-A12-120K	12	120	M6	6.5	11	10	0.11
	MD14-A16-150K	16	150	M8	8.5	14	10	0.24
	MD14-A16-200K	16	200	M8	8.5	14	10	0.32
	MD18-A20-150K	20	150	M10	10.5	18	12	0.37
	MD18-A20-200K	20	200	M10	10.5	18	12	0.49
	MD18-A20-250K	20	250	M10	10.5	18	12	0.62
	MD23-A25-150K	25	150	M12	12.5	23	15	0.58
	MD23-A25-200K	25	200	M12	12.5	23	15	0.77
	MD23-A25-250K	25	250	M12	12.5	23	15	0.96
	MD23-A25-300K	25	300	M12	12.5	23	15	1.16
	MD29-A32-200K	32	200	M16	17	29	18	1.26
	MD29-A32-250K	32	250	M16	17	29	18	1.58
	MD29-A32-300K	32	300	M16	17	29	18	1.89
	MD29-A32-350K	32	350	M16	17	29	18	2.21
 Steel shank + Coolant Hole 鋼柄水孔	MD11-A16-150K	16	150	M6	6.5	11	40	0.24
	MD11-A16-200K	16	200	M6	6.5	11	40	0.32
	MD14-A20-200K	20	200	M8	8.5	14	50	0.49
	MD14-A20-250K	20	250	M8	8.5	14	50	0.62
	MD18-A25-200K	25	200	M10	10.5	18	60	0.77
	MD18-A25-250K	25	250	M10	10.5	18	60	0.96
	MD23-A32-250K	32	250	M12	12.5	23	70	1.58
	MD23-A32-300K	32	300	M12	12.5	23	70	1.89
	MD23-A32-350K	32	350	M12	12.5	23	70	2.21
	MD29-A42-250K	42	250	M16	17	29	100	2.72
	MD29-A42-300K	42	300	M16	17	29	100	3.26
	MD29-A42-350K	42	350	M16	17	29	100	3.81
 Carbide shank + Coolant Hole 鎢鋼柄水孔	HD08-100-M4	8	100	M4	4.5	--	--	0.07
	HD08-120-M4	8	120	M4	4.5	--	--	0.08
	HD10-075-M5	10	75	M5	5.5	--	--	0.08
	HD10-100-M5	10	100	M5	5.5	--	--	0.10
	HD10-150-M5	10	150	M5	5.5	--	--	0.15
	HD12-100-M6	12	100	M6	6.5	--	--	0.15
	HD12-150-M6	12	150	M6	6.5	--	--	0.23
	HD12-200-M6	12	200	M6	6.5	--	--	0.30
	HD16-100-M8	16	100	M8	8.5	--	--	0.23
	HD16-150-M8	16	150	M8	8.5	--	--	0.39
	HD16-200-M8	16	200	M8	8.5	--	--	0.52
	HD16-250-M8	16	250	M8	8.5	--	--	0.72
	HD16-300-M8	16	300	M8	8.5	--	--	0.82
	HD20-100-M10	20	100	M10	10.5	--	--	0.41
	HD20-150-M10	20	150	M10	10.5	--	--	0.61
	HD20-200-M10	20	200	M10	10.5	--	--	0.82
	HD20-250-M10	20	250	M10	10.5	--	--	1.12
	HD20-300-M10	20	300	M10	10.5	--	--	1.26
	HD25-100-M12	25	100	M12	12.5	--	--	0.63
	HD25-150-M12	25	150	M12	12.5	--	--	0.94
	HD25-200-M12	25	200	M12	12.5	--	--	1.27
	HD25-250-M12	25	250	M12	12.5	--	--	1.60
	HD25-300-M12	25	300	M12	12.5	--	--	1.95
	HD25-350-M12	25	350	M12	12.5	--	--	2.46
	HD32-150-M16	32	150	M16	17	--	--	1.51
	HD32-200-M16	32	200	M16	17	--	--	2.05
	HD32-250-M16	32	250	M16	17	--	--	2.88
	HD32-300-M16	32	300	M16	17	--	--	3.10
	HD32-350-M16	32	350	M16	17	--	--	4.12
	HD32-400-M16	32	400	M16	17	--	--	4.18

鎢鋼後拉式刀桿
CARBIDE HDC CHUCK & COLLET



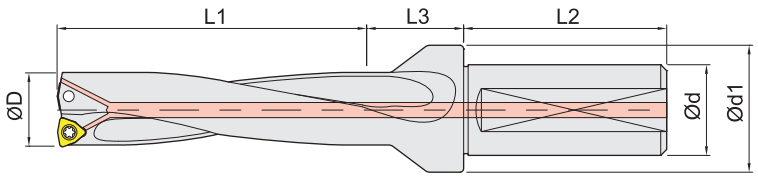
SHAPE	Item code	Dimensions,mm				適用套筒 Suitable Collet	Weight Kg
		d	L	D	L1		
HDC / HUC CHUCK 	**HDC4-08-100L**	8	100	8	--	HDC4	0.12
	HDC4-10-100L	10	100	10	--		0.15
	HDC4-10-150L	10	150	10	--		0.22
	HDC6-12-100L	12	100	12	--	HDC6	0.20
	HDC6-12-150L	12	150	12	--		0.27
	HUC10-20-150L	20	150	20	--	HUC10	0.73
	HUC10-20-200L	20	200	20	--		0.95
HDC / HUC CHUCK 	**HDC4-12-150L**	12	150	10	60	HDC4	0.28
	HDC4-16-200L	16	200	10	100		0.57
	HDC6-16-150L	16	150	12.8	60	HDC6	0.48
	HDC6-16-200L	16	200	12.8	90		0.61
	HDC6-20-250L	20	250	12.8	110		1.13
	HUC10-25-250L	25	250	23	120	HUC10	1.77
	HUC10-25-300L	25	300	23	120		2.12
HDC / HUC COLLET 	**HDC4-3**	3	31	7	--		0.01
	HDC4-4	4	31	7	--		0.01
	HDC6-3	3	36	9.6	--		0.01
	HDC6-4	4	36	9.6	--		0.01
	HDC6-5	5	36	9.6	--		0.01
	HDC6-6	6	36	9.6	--		0.01
	HUC10-03	3	56.5	15	--		0.05
	HUC10-04	4	56.5	15	--		0.05
	HUC10-06	6	56.5	15	--		0.05
	HUC10-08	8	56.5	15	--		0.05
	HUC10-10	10	56.5	15	--		0.04

孔加工

SHAN GIN

BORING TOOLS COMPONENTS

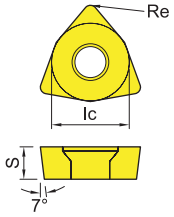
替換式快速鑽頭
INDEXABLE INSERTS HIGH SPEED DRILLS

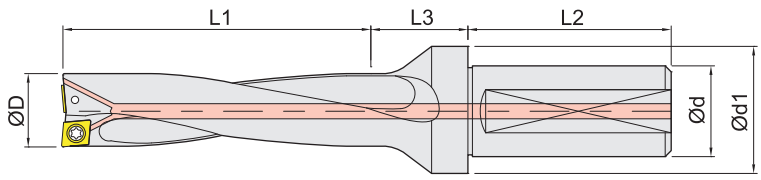


Item code	L1	Weight (kg)	Item code	L1	Weight (kg)	Item code	L1	Weight (kg)	Dimensions,mm					Insert
									D	d	d1	L2	L3	
DW18-C20-27(1.5D)	27	0.26							18.0	20	29	52	24	WC..030208
DW18.5-C20-28(1.5D)	28	0.27							18.5					
DW18-C20-36(2D)	36	0.24	DW18-C20-54(3D)	54	0.26				18.0					
DW19-C20-38(2D)	38	0.24	DW19-C20-57(3D)	57	0.27				19.0					
DW20-C20-40(2D)	40	0.26	DW20-C20-60(3D)	60	0.28				20.0					
DW18-C25-36(2D)	36	0.35	DW18-C25-54(3D)	54	0.37				18.0	25	35	56	24	WC..030208
DW18.5-C25-37(2D)	37	0.36	DW18.5-C25-55.5(3D)	55.5	0.38				18.5					
DW19-C25-38(2D)	38	0.36	DW19-C25-57(3D)	57	0.37				19.0					
DW20-C25-40(2D)	40	0.37	DW20-C25-60(3D)	60	0.42				20.0					
			DW20.5-C25-61.5(3D)	61.5	0.44				20.5					
DW21-C25-42(2D)	42	0.37	DW21-C25-63(3D)	63	0.40	DW21-C25-84(4D)	84	0.44	21.0	25	35	56	24	WC..040208
			DW21.5-C25-64.5(3D)	64.5	0.45				21.5					
DW22-C25-44(2D)	44	0.39	DW22-C25-66(3D)	66	0.42	DW22-C25-88(4D)	88	0.45	22.0					
			DW22.5-C25-67.5(3D)	67.5	0.47				22.5					
DW23-C25-46(2D)	46	0.39	DW23-C25-69(3D)	69	0.44	DW23-C25-92(4D)	92	0.48	23.0					
DW24-C25-48(2D)	48	0.40	DW24-C25-72(3D)	72	0.46	DW24-C25-96(4D)	96	0.50	24.0					
DW25-C25-50(2D)	50	0.42	DW25-C25-75(3D)	75	0.47	DW25-C25-100(4D)	100	0.52	25.0					
DW26-C32-52(2D)	52	0.65	DW26-C32-78(3D)	78	0.70	DW26-C32-104(4D)	104	0.77	26.0	32	43	60	29	WC..050308
DW27-C32-54(2D)	54	0.67	DW27-C32-81(3D)	81	0.74	DW27-C32-108(4D)	108	0.81	27.0					
DW28-C32-56(2D)	56	0.68	DW28-C32-84(3D)	84	0.77	DW28-C32-112(4D)	112	0.85	28.0					
DW29-C32-58(2D)	58	0.69	DW29-C32-87(3D)	87	0.80	DW29-C32-116(4D)	116	0.89	29.0					
DW30-C32-60(2D)	60	0.73	DW30-C32-90(3D)	90	0.83	DW30-C32-120(4D)	120	0.95	30.0					
DW31-C32-62(2D)	62	0.73	DW31-C32-93(3D)	93	0.86	DW31-C32-124(4D)	124	0.96	31.0	32	43	60	29	WC..06T308
DW32-C32-64(2D)	64	0.77	DW32-C32-96(3D)	96	0.87	DW32-C32-128(4D)	128	1.00	32.0					
DW33-C32-66(2D)	66	0.77	DW33-C32-99(3D)	99	0.91	DW33-C32-132(4D)	132	1.06	33.0					
DW34-C32-68(2D)	68	0.81	DW34-C32-102(3D)	102	0.97	DW34-C32-136(4D)	136	1.09	34.0					
DW35-C32-70(2D)	70	0.84	DW35-C32-105(3D)	105	0.98	DW35-C32-140(4D)	140	1.16	35.0					
DW36-C32-72(2D)	72	0.88	DW36-C32-108(3D)	108	1.05	DW36-C32-144(4D)	144	1.21	36.0	32	43	60	29	WC..06T308
DW37-C32-74(2D)	74	0.91	DW37-C32-111(3D)	111	1.12	DW37-C32-148(4D)	148	1.27	37.0					
DW38-C32-76(2D)	76	0.94	DW38-C32-114(3D)	114	1.19	DW38-C32-152(4D)	152	1.32	38.0					
DW39-C32-78(2D)	78	0.97	DW39-C32-117(3D)	117	1.19	DW39-C32-156(4D)	156	1.39	39.0					
DW40-C32-80(2D)	80	0.99	DW40-C32-120(3D)	120	1.27	DW40-C32-160(4D)	160	1.47	40.0					

※訂購 Ø18~20快鑽時，請確認刀桿柄徑(Please confirm the shank size when ordering the drill Ø18~20)

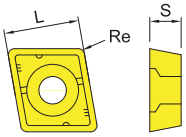
被切削材 Workpiece material				
	Steel 鋼	P	●	
	Stainless steel 不銹鋼	M	●	
	Cast iron 鑄鐵	K		
	Non-ferrous metal 非鐵金屬	N		●

Insert Shape	Description	GRADE 材質		Dimensions,mm			Screw	Wrench
		Coated 塗層	Uncoated 無塗層					
		ACZ330	H01	Ic	S	Re		
	WCMX030208FN	●		5.56	2.38	0.8	MS2506E	ETD08
	WCMX040208FN	●		6.35	2.38	0.8	MS2506E	ETD08
	WCMT050308FN	●		7.94	3.18	0.8	MS3008B	ETD09
	WCMT06T308FN	●		9.525	3.97	0.8	MS3510E	ETD10
	WCKT030208DA		●	5.56	2.38	0.8	MS2506E	ETD08
	WCKT040208DA		●	6.35	2.38	0.8	MS2506E	ETD08
	WCKT050308DA		●	7.94	3.18	0.8	MS3008B	ETD09
	WCKT06T308DA		●	9.525	3.97	0.8	MS3510E	ETD10



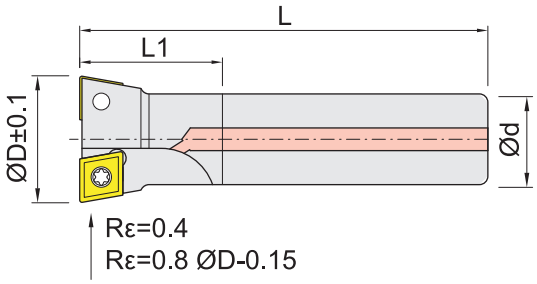
Item code	L1	Weight (kg)	Item code	L1	Weight (kg)	Dimensions,mm					Insert
						D	d	d1	L2	L3	
DWD13-A25-26(2D)	26	0.33	**DWD13-A25-39(3D)**	39	0.33	13	25	33	56	24	WD..04..
DWD14-A25-28(2D)	28	0.33	**DWD14-A25-42(3D)**	42	0.34	14					
DWD15-A25-30(2D)	30	0.34	**DWD15-A25-45(3D)**	45	0.35	15					
DWD16-A25-32(2D)	32	0.34	**DWD16-A25-48(3D)**	48	0.35	16	25	33	56	24	WD..05..
DWD17-A25-34(2D)	34	0.35	**DWD17-A25-51(3D)**	51	0.37	17					
DWD18-A25-36(2D)	36	0.37	**DWD18-A25-54(3D)**	54	0.39	18		35			
DWD19-A25-38(2D)	38	0.37	**DWD19-A25-57(3D)**	57	0.40	19	25	35	56	24	WD..06..
DWD20-A25-40(2D)	40	0.38	**DWD20-A25-60(3D)**	60	0.40	20					
DWD21-A25-42(2D)	42	0.38	**DWD21-A25-63(3D)**	63	0.42	21					
DWD22-A25-44(2D)	44	0.40	**DWD22-A25-66(3D)**	66	0.44	22					
DWD23-A25-46(2D)	46	0.41	**DWD23-A25-69(3D)**	69	0.45	23	25	35	56	24	WD..07..
DWD24-A25-48(2D)	48	0.42	**DWD24-A25-72(3D)**	72	0.47	24					
DWD25-A25-50(2D)	50	0.43	**DWD25-A25-75(3D)**	75	0.48	25					
DWD26-A32-52(2D)	52	0.67	**DWD26-A32-78(3D)**	78	0.72	26	32	43	60	29	WD..07..
DWD27-A32-54(2D)	54	0.68	**DWD27-A32-81(3D)**	81	0.74	27					
DWD28-A32-56(2D)	56	0.69	**DWD28-A32-84(3D)**	84	0.76	28					
DWD29-A32-58(2D)	58	0.78	**DWD29-A32-87(3D)**	87	0.78	29	32	43	60	29	WD..09..
DWD30-A32-60(2D)	60	0.79	**DWD30-A32-90(3D)**	90	0.86	30					
DWD31-A32-62(2D)	62	0.82	**DWD31-A32-93(3D)**	93	0.92	31					
DWD32-A32-64(2D)	64	0.83	**DWD32-A32-96(3D)**	96	0.95	32					
DWD33-A32-66(2D)	66	0.87	**DWD33-A32-99(3D)**	99	0.98	33					
DWD34-A32-68(2D)	68	0.90	**DWD34-A32-102(3D)**	102	1.02	34					
DWD35-A32-70(2D)	70	0.92	**DWD35-A32-105(3D)**	105	1.09	35					
DWD36-A32-72(2D)	72	0.95	**DWD36-A32-108(3D)**	108	1.13	36					
DWD37-A32-74(2D)	74	1.01	**DWD37-A32-111(3D)**	111	1.14	37	32	43	60	29	WD..12..
DWD38-A32-76(2D)	76	0.98	**DWD38-A32-114(3D)**	114	1.18	38					
DWD39-A32-78(2D)	78	1.01	**DWD39-A32-117(3D)**	117	1.22	39					

被切削材 Workpiece material					
	Steel 鋼	P	●		
	Stainless steel 不銹鋼	M	●		
	Cast iron 鑄鐵	K		●	
	Non-ferrous metal 非鐵金屬	N			●

Insert Shape	Description	GRADE 材質			Dimensions,mm			Screw	Wrench
		Coated 塗層		Uncoated 無塗層					
		ACP300	ACK300	DL1500	L	S	Re		
	**WDXT042004-G**	●	●	●	4.2	2	0.4	MS1604C	ETD06
	WDXT052504-G	●	●	●	5	2.5	0.4	MS2005A	ETD06
	WDXT063006-G	●	●	●	6	3	0.6	MS2206A	ETD07
	WDXT073506-G	●	●	●	7.5	3.5	0.6	MS2507E	ETD08
	WDXT094008-G	●	●	●	9.6	4	0.8	MS3509A	ETD15
	WDXT125012-G	●	●	●	12.4	5	1.2	MS5011A	ETD20

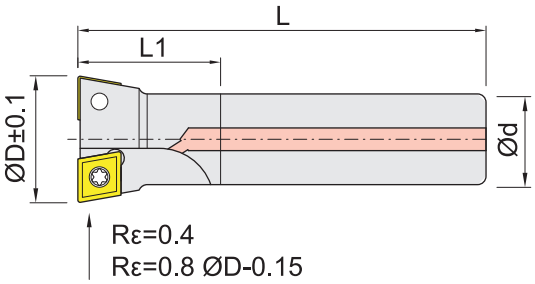
固定式粗搪刀
FIXED ROUGH BORING BARS

孔加工



Coolant steel shank
中心出水鋼柄 示意圖

Item code	L	Item code	L	Item code	L	Item code	L	Dimensions,mm D(Rε=0.4)	d	L1	Teeth	Insert
TB08-S16-120	120							7.8	16	12	1	CC..060204
TB09-S16-120								8.8		14		
TB10-S16-120		TB10-S16-160	160	TB10-S16-200	200			9.8		25		
TB11-S16-120		TB11-S16-160		TB11-S16-200				10.8				
TB12-S16-120		TB12-S/A16-160		TB12-S16-200				11.8		30		
TB13-S16-120		TB13-S/A16-160		TB13-S16-200				12.8				
TB14-S16-120		TB14-S/A16-160		TB14-S16-200				13.8				
TB15-S16-120	120	TB15-S/A16-160	160	TB15-S16-200	200			14.8	16	30	1	CC..060204
TB16-S16-120		TB16-S/A16-160		TB16-S16-200				15.8			2	
TB17-S16-120		TB17-S/A16-160		TB17-S16-200				16.8				
TB18-S16-120		TB18-S/A16-160		TB18-S16-200		TB18-S16-250	250	17.8				
TB19-S16-120		TB19-S/A16-160		TB19-S16-200		TB19-S16-250		18.8				
TB20-S16-120		TB20-S/A16-160		TB20-S16-200		TB20-S16-250		19.8				
TB21-S16-120		TB21-S/A16-160		TB21-S16-200		TB21-S16-250		20.8				
TB22-S16-120		TB22-S/A16-160		TB22-S16-200		TB22-S16-250		21.8				
TB23-S20-130	130	TB23-S/A20-160	160	TB23-S20-200	200	TB23-S20-250	250	22.8	20	30	2	CC..060204
TB24-S20-130		TB24-S/A20-160		TB24-S20-200		TB24-S20-250		23.8				
TB25-S20-130		TB25-S20-160		TB25-S/A20-200		TB25-S20-250		24.8				
TB26-S20-130	130	TB26-S20-160	160	TB26-S/A20-200	200	TB26-S20-250	250	25.8	20	30	2	CC..09T304
TB27-S20-130		TB27-S20-160		TB27-S/A20-200		TB27-S20-250		26.8				
TB28-S20-130		TB28-S20-160		TB28-S/A20-200		TB28-S20-250		27.8				
TB29-S20-130		TB29-S20-160		TB29-S/A20-200				28.8				
TB29-S25-160	160	TB29-S25-200	200	TB29-S25-250	250			28.8	25	30	2	CC..09T304
TB30-S25-160		TB30-S/A25-200		TB30-S25-250		TB30-S25-300	300	29.8		40		
TB31-S25-160		TB31-S/A25-200		TB31-S25-250		TB31-S25-300		30.8				
TB32-S25-160		TB32-S/A25-200		TB32-S25-250		TB32-S25-300		31.8				
TB33-S25-160		TB33-S/A25-200		TB33-S25-250		TB33-S25-300		32.8				
TB34-S25-160		TB34-S/A25-200		TB34-S25-250		TB34-S25-300		33.8				
TB35-S25-160		TB35-S/A25-200		TB35-S25-250		TB35-S25-300		34.8				
TB36-S25-160		TB36-S/A25-200		TB36-S25-250		TB36-S25-300		35.8				
TB37-S25-160		TB37-S/A25-200		TB37-S25-250		TB37-S25-300		36.8				
TB38-S25-160		TB38-S/A25-200		TB38-S25-250		TB38-S25-300		37.8				
TB39-S25-160		TB39-S/A25-200		TB39-S25-250		TB39-S25-300		38.8				
TB40-S25-160		TB40-S/A25-200		TB40-S25-250		TB40-S25-300		39.8				



Coolant steel shank
中心出水鋼柄 示意圖

孔加工

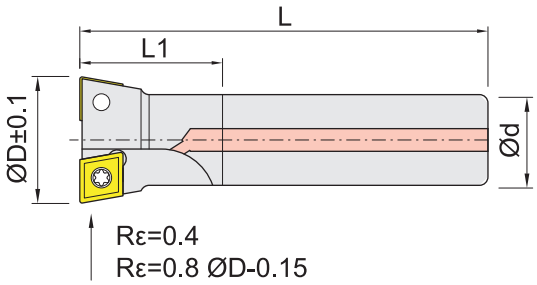
Item code	L	Item code	L	Item code	L	Item code	L	Dimensions,mm D(Rε=0.4)	d	L1	Teeth	Insert
TB35-S32-160	160	TB35-S32-200	200	TB35-S32-250	250	TB35-S32-300	300	34.8	32	50	2	CC..09T304
TB36-S32-160		TB36-S32-200		TB36-S32-250		TB36-S32-300		35.8		60		
TB37-S32-160		TB37-S32-200		TB37-S32-250		TB37-S32-300		36.8				
TB38-S32-160		TB38-S32-200		TB38-S32-250		TB38-S32-300		37.8		40		
TB39-S32-160		TB39-S32-200		TB39-S32-250		TB39-S32-300		38.8				
TB40-S32-160		TB40-S32-200		TB40-S32-250		TB40-S32-300		39.8		45		
TB41-S/A32-200	200	TB41-S32-250	250	TB41-S32-300	300	TB41-S32-350	350	40.8	32	45	2	CC..09T304
TB42-S/A32-200		TB42-S32-250		TB42-S32-300				41.8				
TB43-S/A32-200		TB43-S32-250		TB43-S32-300				42.8				
TB44-S/A32-200		TB44-S32-250		TB44-S32-300				43.8				
TB45-S/A32-200		TB45-S32-250		TB45-S32-300				44.8				
TB46-S/A32-200		TB46-S32-250		TB46-S32-300				45.8				
TB47-S/A32-200		TB47-S32-250		TB47-S32-300				46.8				
TB48-S/A32-200		TB48-S32-250		TB48-S32-300				47.8				
TB49-S/A32-200		TB49-S32-250		TB49-S32-300				48.8				
TB50-S/A32-200		TB50-S32-250		TB50-S32-300				49.8				
TB51-S/A32-200	200	TB51-S32-250	250	TB51-S32-300	300			50.8	32	45	2	CC..09T304
TB52-S/A32-200		TB52-S32-250		TB52-S32-300		TB52-S32-350	350	51.8				
TB53-S/A32-200		TB53-S32-250		TB53-S32-300				52.8				
TB54-S/A32-200		TB54-S32-250		TB54-S32-300				53.8				
TB55-S/A32-200		TB55-S32-250		TB55-S32-300				54.8				
TB56-S/A32-200		TB56-S32-250		TB56-S32-300				55.8				
TB57-S/A32-200		TB57-S32-250		TB57-S32-300				56.8				

Insert	Screw	Wrench
CC..060204	MS2506A	ETF09
CC..09T304	MS4011A	ETF15
CC..120404	MS5011A	ETF20

TB20E-S/A 20-200
① ② ③ ④

① 刃徑 TB20(ØD = 19.8 ±0.1) TB20E(ØD = 20.0 ±0.1)
②刀柄 S=鋼柄STEEL SHANK A=鋼柄水孔 STEEL SHANK+ COOLANT HOLE
③柄徑 ④刀柄長度

固定式粗搪刀
FIXED ROUGH BORING BARS



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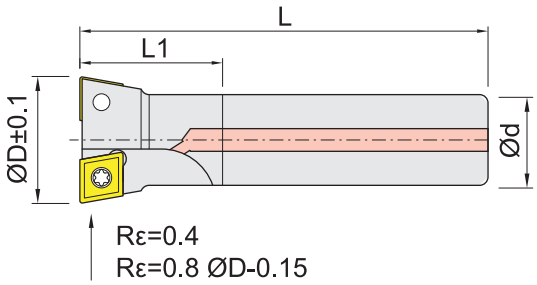
Coolant steel shank
中心出水鋼柄 示意圖

Item code	L	Item code	L	Item code	L	Item code	L	Dimensions,mm D(Rε=0.4)	d	L1	Teeth	Insert
TB08E-S16-120	120							8.0	16	12	1	CC..060204
TB09E-S16-120								9.0		14		
TB10E-S16-120		TB10E-S16-160	160					10.0		25		
TB11E-S16-120		TB11E-S16-160						11.0				
TB12E-S16-120		TB12E-S16-160		TB12E-S16-200	200			12.0		30		
TB13E-S16-120		TB13E-S16-160		TB13E-S16-200				13.0				
TB14E-S16-120		TB14E-S16-160		TB14E-S16-200				14.0				
TB15E-S16-120		TB15E-S16-160		TB15E-S16-200				15.0				
TB16E-S16-120	120	TB16E-S16-160	160	TB16E-S16-200	200			16.0	16	30	2	CC..060204
TB17E-S16-120		TB17E-S16-160		TB17E-S16-200				17.0				
TB18E-S16-120		TB18E-S16-160		TB18E-S16-200				18.0				
TB19E-S16-120		TB19E-S16-160		TB19E-S16-200				19.0				
TB20E-S16-120		TB20E-S16-160		TB20E-S16-200				20.0				
TB21E-S16-120		TB21E-S16-160		TB21E-S16-200				21.0				
TB22E-S16-120		TB22E-S16-160		TB22E-S16-200				22.0				
TB23E-S20-130	130	TB23E-S20-160	160	TB23E-S20-200	200			23.0	20	30	2	CC..060204
TB24E-S20-130		TB24E-S20-160		TB24E-S20-200		TB24E-S20-250	250	24.0				
TB25E-S20-130		TB25E-S20-160		TB25E-S20-200		TB25E-S20-250		25.0				
TB26E-S20-130		TB26E-S20-160		TB26E-S20-200		TB26E-S20-250		26.0				CC..09T304
TB27E-S20-130		TB27E-S20-160		TB27E-S20-200		TB27E-S20-250		27.0				
TB28E-S20-130		TB28E-S20-160		TB28E-S20-200		TB28E-S20-250		28.0				
TB29E-S20-130		TB29E-S20-160		TB29E-S20-200				29.0				
TB30E-S25-160	160	TB30E-S25-200	200	TB30E-S25-250	250			30.0	25	40	2	CC..09T304
TB31E-S25-160		TB31E-S25-200		TB31E-S25-250				31.0				
TB32E-S25-160		TB32E-S25-200		TB32E-S25-250				32.0				
TB33E-S25-160		TB33E-S25-200		TB33E-S25-250		TB33E-S32-300	300	33.0				
TB34E-S25-160		TB34E-S25-200		TB34E-S25-250				34.0				
TB35E-S25-160		TB35E-S25-200		TB35E-S25-250				35.0				
TB36E-S25-160		TB36E-S25-200		TB36E-S25-250				36.0				
TB37E-S25-160		TB37E-S25-200		TB37E-S25-250				37.0				
TB38E-S25-160		TB38E-S25-200		TB38E-S25-250				38.0				
TB39E-S25-160		TB39E-S25-200		TB39E-S25-250				39.0				
TB40E-S25-160		TB40E-S25-200		TB40E-S25-250				40.0				



Coolant steel shank
中心出水鋼柄 示意圖

孔加工

Item code	L	Item code	L	Item code	L	Item code	L	Dimensions,mm			Teeth	Insert
								D(Rε=0.4)	d	L1		
TB38E-S32-200	200	TB38E-S32-250	250					38.0	32	40	2	CC..09T304
TB39E-S32-200		TB39E-S32-250						39.0				
TB40E-S32-200	200	TB40E-S32-250	250	TB40E-S32-300	300			40.0	32	45	2	CC..09T304
TB41E-S32-200		TB41E-S32-250		TB41E-S32-300				41.0				
TB42E-S32-200		TB42E-S32-250		TB42E-S32-300				42.0				
TB43E-S32-200		TB43E-S32-250		TB43E-S32-300				43.0				
TB44E-S32-200		TB44E-S32-250		TB44E-S32-300				44.0				
TB45E-S32-200		TB45E-S32-250		TB45E-S32-300				45.0				
TB46E-S32-200		TB46E-S32-250		TB46E-S32-300				46.0				
TB47E-S32-200		TB47E-S32-250		TB47E-S32-300				47.0				
TB48E-S32-200		TB48E-S32-250		TB48E-S32-300				48.0				
TB49E-S32-200		TB49E-S32-250		TB49E-S32-300				49.0				
TB50E-S32-200		TB50E-S32-250		TB50E-S32-300				50.0				
TB51E-S32-200		TB51E-S32-250		TB51E-S32-300				51.0				
TB52E-S32-200		TB52E-S32-250		TB52E-S32-300				52.0				
TB53E-S32-200		TB53E-S32-250		TB53E-S32-300				53.0				
TB54E-S32-200		TB54E-S32-250		TB54E-S32-300				54.0				
TB55E-S32-200		TB55E-S32-250		TB55E-S32-300				55.0				
TB56E-S32-200		TB56E-S32-250		TB56E-S32-300				56.0				
TB57E-S32-200		TB57E-S32-250		TB57E-S32-300				57.0				

Insert	Screw	Wrench
CC..060204	MS2506A	ETF09
CC..09T304	MS4011A	ETF15
CC..120404	MS5011A	ETF20

TB20E-S/A 20-200
① ② ③ ④

① 刃徑 TB20(ØD = 19.8 ±0.1) TB20E(ØD = 20.0 ±0.1)
②刀柄 S=鋼柄STEEL SHANK A=鋼柄水孔 STEEL SHANK+ COOLANT HOLE
③柄徑 ④刀柄長度

固定式粗搪刀
FIXED ROUGH BORING BARS

孔加工

FIG-1

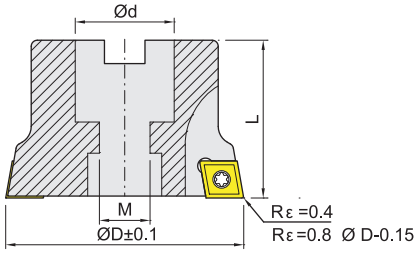


FIG-2

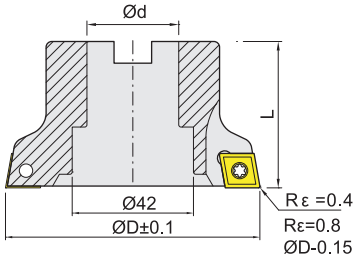


FIG-1 Item code (d=22.0)	FIG-1 Item code (d=25.4)	Insert	FIG-1 Item code (d=22.0,25.4)	Insert	D Rε=0.4	Teeth
TB45-22.0-CC09		CC..09T304			44.8	2
TB46-22.0-CC09					45.8	
TB47-22.0-CC09					46.8	
TB48-22.0-CC09					47.8	
TB49-22.0-CC09					48.8	
TB50-22.0-CC09	**TB50-25.4-CC09**				49.8	
TB51-22.0-CC09	**TB51-25.4-CC09**	CC..09T304		CC..120404	50.8	2
TB52-22.0-CC09	**TB52-25.4-CC09**				51.8	
TB53-22.0-CC09	**TB53-25.4-CC09**				52.8	
TB54-22.0-CC09	**TB54-25.4-CC09**				53.8	
TB55-22.0-CC09	**TB55-25.4-CC09**		**TB55-22.0-CC12**		54.8	
TB56-22.0-CC09	**TB56-25.4-CC09**	CC..09T304	**TB56-22.0-CC12**	CC..120404	55.8	2
TB57-22.0-CC09	**TB57-25.4-CC09**		**TB57-22.0-CC12**		56.8	
TB58-22.0-CC09	**TB58-25.4-CC09**		**TB58-22.0-CC12**		57.8	
TB59-22.0-CC09	**TB59-25.4-CC09**		**TB59-22.0-CC12**		58.8	
TB60-22.0-CC09	**TB60-25.4-CC09**		**TB60-22.0-CC12**		59.8	
TB61-22.0-CC09	**TB61-25.4-CC09**	CC..09T304	**TB61-25.4-CC12**	CC..120404	60.8	2
TB62-22.0-CC09	**TB62-25.4-CC09**		**TB62-25.4-CC12**		61.8	
TB63-22.0-CC09	**TB63-25.4-CC09**		**TB63-25.4-CC12**		62.8	
TB64-22.0-CC09	**TB64-25.4-CC09**		**TB64-25.4-CC12**		63.8	
TB65-22.0-CC09	**TB65-25.4-CC09**		**TB65-25.4-CC12**		64.8	
TB66-22.0-CC09	**TB66-25.4-CC09**	CC..09T304	**TB66-25.4-CC12**	CC..120404	65.8	2
TB67-22.0-CC09	**TB67-25.4-CC09**		**TB67-25.4-CC12**		66.8	
TB68-22.0-CC09	**TB68-25.4-CC09**		**TB68-25.4-CC12**		67.8	
TB69-22.0-CC09	**TB69-25.4-CC09**		**TB69-25.4-CC12**		68.8	
TB70-22.0-CC09	**TB70-25.4-CC09**		**TB70-25.4-CC12**		69.8	
TB71-22.0-CC09	**TB71-25.4-CC09**	CC..09T304	**TB71-25.4-CC12**	CC..120404	70.8	2
TB72-22.0-CC09	**TB72-25.4-CC09**		**TB72-25.4-CC12**		71.8	
	TB73-25.4-CC09		**TB73-25.4-CC12**		72.8	
	TB74-25.4-CC09		**TB74-25.4-CC12**		73.8	
TB75-22.0-CC09	**TB75-25.4-CC09**		**TB75-25.4-CC12**		74.8	
	TB76-25.4-CC09	CC..09T304	**TB76-25.4-CC12**	CC..120404	75.8	2
	TB77-25.4-CC09		**TB77-25.4-CC12**		76.8	
	TB78-25.4-CC09		**TB78-25.4-CC12**		77.8	
	TB79-25.4-CC09		**TB79-25.4-CC12**		78.8	
	TB80-25.4-CC09		**TB80-25.4-CC12**		79.8	

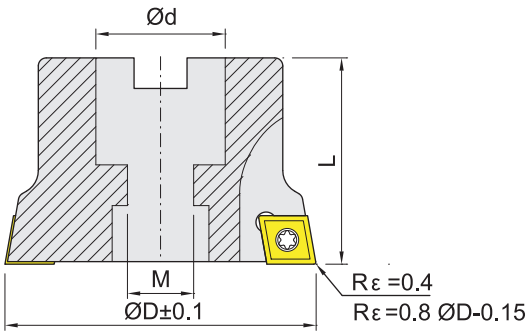
FIG-1 Item code (d=25.4)	Insert	FIG-1 Item code (d=25.4)	FIG-1 Item code (d=31.75)	FIG-2 Item code (d=31.75)	Insert	D Rε=0.4	Teeth
TB81-25.4-CC09	CC..09T304	**TB81-25.4-CC12**			CC..120404	80.8	2
TB82-25.4-CC09		**TB82-25.4-CC12**				81.8	
TB83-25.4-CC09		**TB83-25.4-CC12**				82.8	
TB84-25.4-CC09		**TB84-25.4-CC12**				83.8	
TB85-25.4-CC09		**TB85-25.4-CC12**				84.8	
TB86-25.4-CC09	CC..09T304	**TB86-25.4-CC12**			CC..120404	85.8	2
TB87-25.4-CC09		**TB87-25.4-CC12**				86.8	
TB88-25.4-CC09		**TB88-25.4-CC12**				87.8	
TB89-25.4-CC09		**TB89-25.4-CC12**				88.8	
TB90-25.4-CC09		**TB90-25.4-CC12**				89.8	
TB91-25.4-CC09	CC..09T304	**TB91-25.4-CC12**			CC..120404	90.8	2
TB92-25.4-CC09		**TB92-25.4-CC12**				91.8	
TB93-25.4-CC09		**TB93-25.4-CC12**				92.8	
TB94-25.4-CC09		**TB94-25.4-CC12**				93.8	
TB95-25.4-CC09		**TB95-25.4-CC12**				94.8	
TB96-25.4-CC09	CC..09T304	**TB96-25.4-CC12**			CC..120404	95.8	2
		TB97-25.4-CC12				96.8	
TB98-25.4-CC09		**TB98-25.4-CC12**				97.8	
		TB99-25.4-CC12				98.8	
TB100-25.4-CC09		**TB100-25.4-CC12**	**TB100-31.75-CC12**	**TB100-31.75-CC12F**		99.8	
	CC..09T304	**TB101-25.4-CC12**	**TB101-31.75-CC12**		CC..120404	100.8	2
		TB102-25.4-CC12	**TB102-31.75-CC12**			101.8	
			TB103-31.75-CC12			102.8	
			TB104-31.75-CC12			103.8	
TB105-25.4-CC09		**TB105-25.4-CC12**	**TB105-31.75-CC12**	**TB105-31.75-CC12F**		104.8	
	CC..09T304		**TB106-31.75-CC12**		CC..120404	105.8	2
			TB107-31.75-CC12			106.8	
TB108-25.4-CC09		**TB108-25.4-CC12**	**TB108-31.75-CC12**			107.8	
			TB109-31.75-CC12			108.8	
TB110-25.4-CC09		**TB110-25.4-CC12**	**TB110-31.75-CC12**	**TB110-31.75-CC12F**		109.8	
	CC..09T304		**TB111-31.75-CC12**		CC..120404	110.8	2
TB112-25.4-CC09		**TB112-25.4-CC12**	**TB112-31.75-CC12**			111.8	
			TB113-31.75-CC12			112.8	
			TB114-31.75-CC12			113.8	
TB115-25.4-CC09		**TB115-25.4-CC12**	**TB115-31.75-CC12**	**TB115-31.75-CC12F**		114.8	
	CC..09T304		**TB116-31.75-CC12**		CC..120404	115.8	2
			TB117-31.75-CC12			116.8	
		TB118-25.4-CC12	**TB118-31.75-CC12**			117.8	
			TB119-31.75-CC12			118.8	
TB120-25.4-CC09		**TB120-25.4-CC12**	**TB120-31.75-CC12**	**TB120-31.75-CC12F**		119.8	
	CC..09T304		**TB121-31.75-CC12**		CC..120404	120.8	2
TB122-25.4-CC09			**TB122-31.75-CC12**			121.8	
			TB123-31.75-CC12			122.8	
			TB124-31.75-CC12			123.8	
			TB125-31.75-CC12			124.8	
			TB126-31.75-CC12		CC..120404	125.8	2
			TB127-31.75-CC12			126.8	
			TB128-31.75-CC12			127.8	
			TB129-31.75-CC12			128.8	
			TB130-31.75-CC12			129.8	

Insert	Screw	Wrench
CC..060204	MS2506A	ETF09
CC..09T304	MS4011A	ETF15
CC..120404	MS5011A	ETF20

Dimensions,mm	d	M	L
TB...-22.0-...	22.0	11	50
TB...-25.4-...	25.4	13	50
TB...-31.75-...	31.75	13	50

固定式粗搪刀
FIXED ROUGH BORING BARS

孔加工



Item code (d=31.75)	Item code	Item code	Insert	D Rε=0.4	Teeth
TB131-31.75-CC12			CC..120404	130.8	2
TB132-31.75-CC12				131.8	
TB133-31.75-CC12				132.8	
TB134-31.75-CC12				133.8	
TB135-31.75-CC12				134.8	
TB136-31.75-CC12			CC..120404	135.8	2
TB137-31.75-CC12				136.8	
TB138-31.75-CC12				137.8	
TB139-31.75-CC12				138.8	
TB140-31.75-CC12				139.8	
TB141-31.75-CC12			CC..120404	140.8	2
TB142-31.75-CC12				141.8	
TB143-31.75-CC12				142.8	
TB144-31.75-CC12				143.8	
TB145-31.75-CC12				144.8	
TB146-31.75-CC12			CC..120404	145.8	2
TB147-31.75-CC12				146.8	
TB148-31.75-CC12				147.8	
TB149-31.75-CC12				148.8	
TB150-31.75-CC12				149.8	
TB151-31.75-CC12			CC..120404	150.8	2
TB155-31.75-CC12				154.8	
TB156-31.75-CC12				155.8	
TB160-31.75-CC12				159.8	
TB161-31.75-CC12			CC..120404	160.8	2
TB165-31.75-CC12				164.8	
TB170-31.75-CC12				169.8	
TB175-31.75-CC12			CC..120404	174.8	2
TB185-31.75-CC12				184.8	
TB187-31.75-CC12				186.8	
TB190-31.75-CC12				189.8	
TB195-31.75-CC12			CC..120404	194.8	2
TB200-31.75-CC12				199.8	
TB201-31.75-CC12				200.8	

Insert	Screw	Wrench
CC..060204	MS2506A	ETF09
CC..09T304	MS4011A	ETF15
CC..120404	MS5011A	ETF20

Dimensions,mm	d	M	L
TB...-22.0-...	22.0	11	50
TB...-25.4-...	25.4	13	50
TB...-31.75-...	31.75	13	50

FIG-1

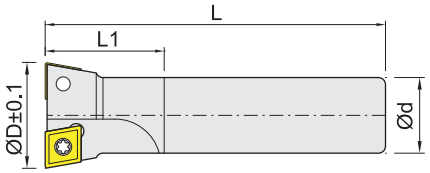


FIG-2

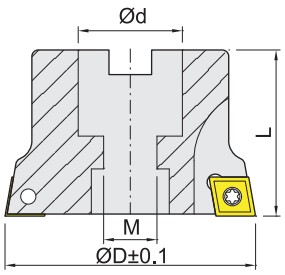
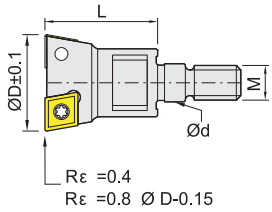
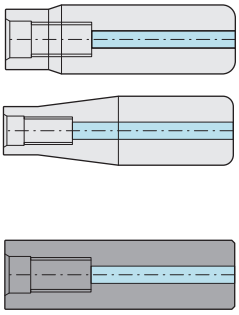


FIG-1 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight (kg)
	D	d	L	L1					
TBP26-S20-130	25.8	20	130	30	2	CP..090308	MS4009A	ETF15	0.32
TBP40-S32-120	39.8	32	120	45	3		MS4011A		0.76

FIG-2 Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight (kg)
	D	d	L	M					
TBP70-25.4-CP09	69.8	25.4	50	13	4	CP..090308	MS4011A	ETF15	0.71
TBP100-25.4-CP09-4T	99.8	25.4	50	13	4				1.45
TBP100-25.4-CP09-6T	99.8	25.4	50	13	6				1.45





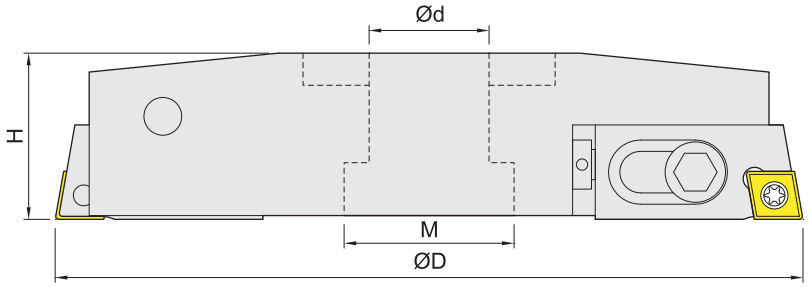
Steel shank + Coolant Hole
鋼柄水孔
(參考目錄314 頁Please refer to page 314)

Carbide shank + Coolant Hole
鎢鋼柄水孔
(參考目錄314 頁Please refer to page 314)

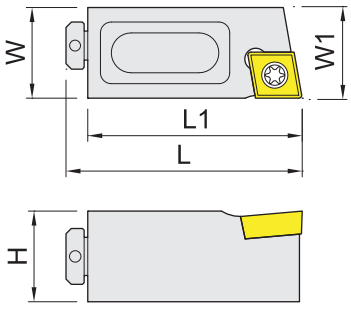
Item code	Dimensions,mm				Teeth	Insert	Screw	Wrench	Weight (kg)
	D	d	L	M					
TB13-MD11	12.8	6.5	18	M6	1	CC..060204	MS2506A	ETF09	0.03
TB14-MD11	13.8								0.03
TB15-MD11	14.8								0.03
TB16-MD11	15.8				2				0.03
TB16-MD11-M08	15.8	8.5	20	M8	2				0.03
TB17-MD15-M08	16.8	8.5	23	M8					0.04
TB18-MD15-M08	17.8								0.04
TB19-MD15-M08	18.8								0.04
TB20-MD15-M08	19.8								0.04
TB20-MD19-M10	19.8	10.5	30	M10					0.07
TB21-MD19-M10	20.8								0.07
TB22-MD19-M10	21.8								0.07
TB23-MD19-M10	22.8								0.07
TB24-MD19-M10	23.8								0.08
TB25-MD19-M10	24.8								0.08

可調式粗搪刀桿
ADJUSTABLE ROUGH BORING BARS

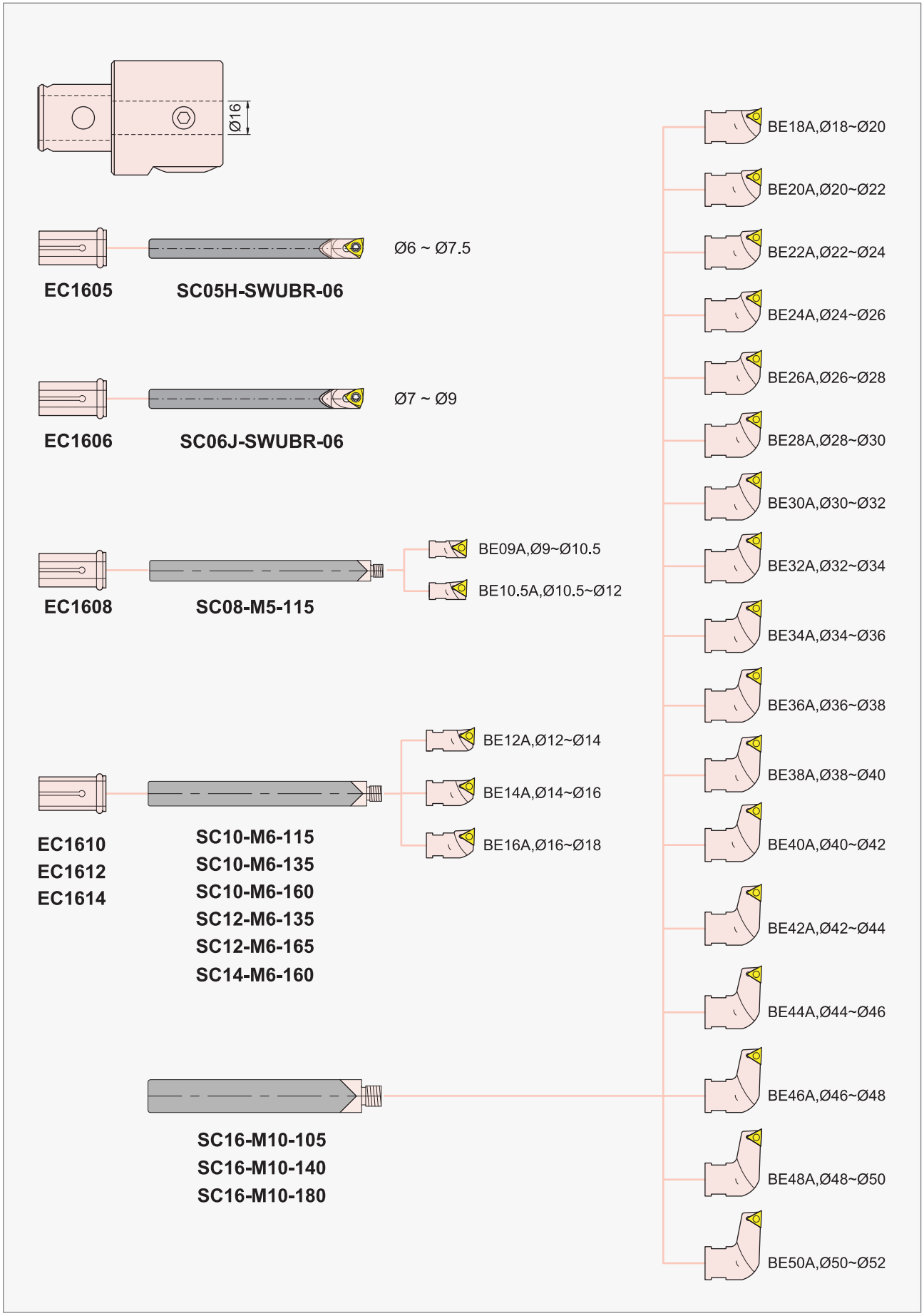
孔加工

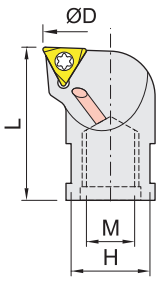


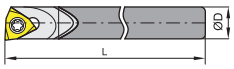
Item code	ØD Range		Dimensions,mm			Teeth	Cartridges	Screw	Weight (kg)
	Dmin	Dmax	d	M	H				
TBJ175-25-31.75	175	200	31.75	45	43	2	TBJS925-CC12	HTM1045	2.35
TBJ200-25-31.75	200	225							2.88
TBJ225-25-31.75	225	250							3.47
TBJ250-25-31.75	250	275							4.14
TBJ275-25-31.75	275	300							4.78
TBJ300-25-31.75	300	325							5.42
TBJ325-25-31.75	325	350							6.08
TBJ350-25-31.75	350	375							6.64
TBJ375-25-31.75	375	400							7.30
TBJ400-25-31.75	400	425							7.84

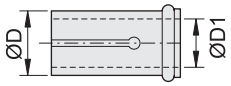


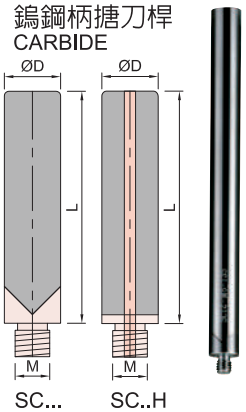
Item code	Dimensions,mm					Insert	Screw	Screw	Wrench	Weight (kg)
	H	W	W1	L1	L					
TBJS925-CC12	25	25	25.5	55	60	CC..1204..	RTM825	MS5011A	ETF20	0.40

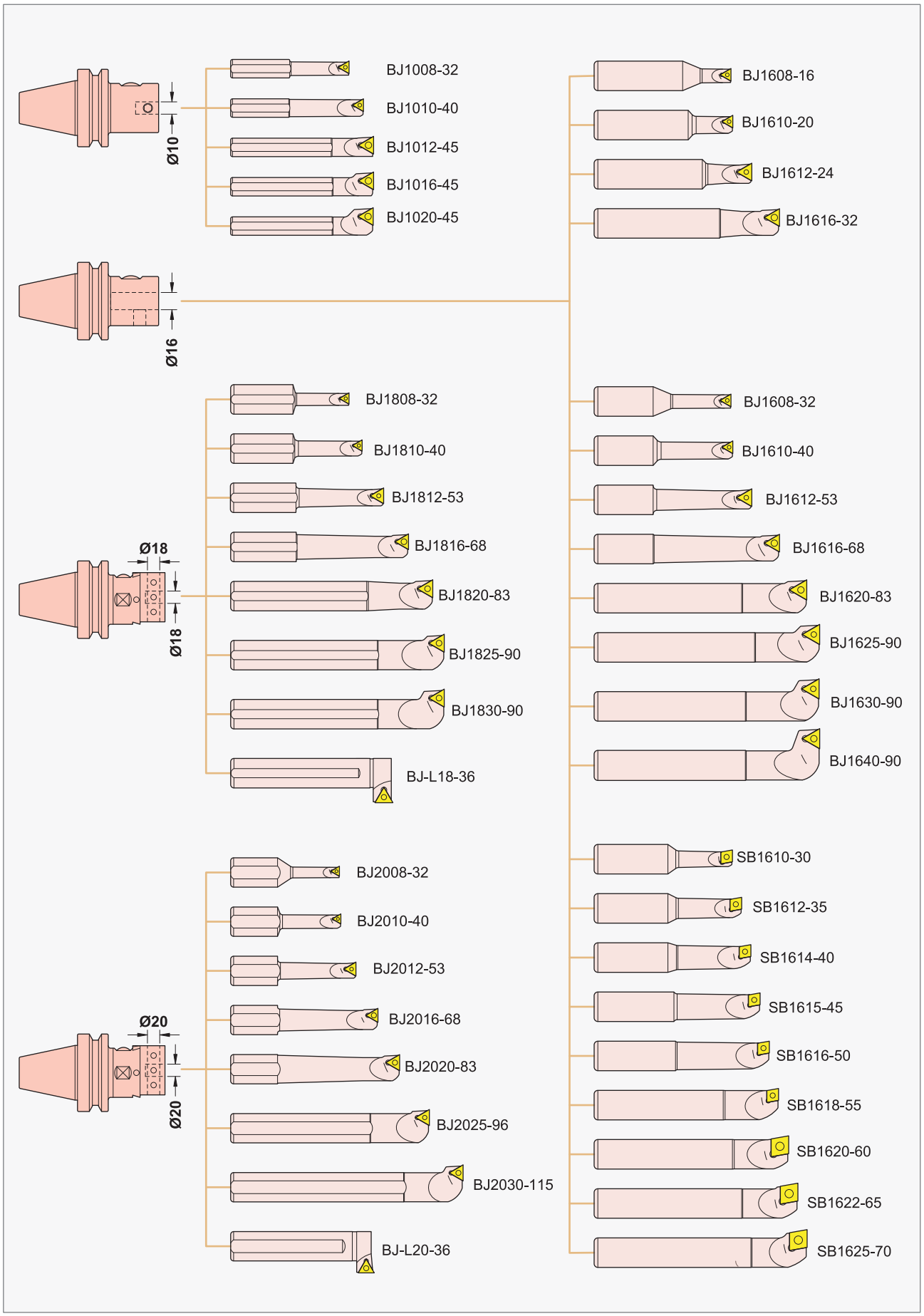

Ø16
EC1605
SC05H-SWUBR-06
Ø6 ~ Ø7.5
EC1606
SC06J-SWUBR-06
Ø7 ~ Ø9
EC1608
SC08-M5-115
BE09A,Ø9~Ø10.5
BE10.5A,Ø10.5~Ø12
EC1610
EC1612
EC1614
SC10-M6-115
SC10-M6-135
SC10-M6-160
SC12-M6-135
SC12-M6-165
SC14-M6-160
BE12A,Ø12~Ø14
BE14A,Ø14~Ø16
BE16A,Ø16~Ø18
SC16-M10-105
SC16-M10-140
SC16-M10-180
BE18A,Ø18~Ø20
BE20A,Ø20~Ø22
BE22A,Ø22~Ø24
BE24A,Ø24~Ø26
BE26A,Ø26~Ø28
BE28A,Ø28~Ø30
BE30A,Ø30~Ø32
BE32A,Ø32~Ø34
BE34A,Ø34~Ø36
BE36A,Ø36~Ø38
BE38A,Ø38~Ø40
BE40A,Ø40~Ø42
BE42A,Ø42~Ø44
BE44A,Ø44~Ø46
BE46A,Ø46~Ø48
BE48A,Ø48~Ø50
BE50A,Ø50~Ø52

Item code	Dimensions,mm					Shape	Insert	Screw	Wrench	Weight (kg)
	D	H	L	M	Range					
BE09A	9	7	18	M5	9-10.5	搪孔頭 BORING CUTTER HEAD 	TP..0802..	MS2205A	ETF07	0.02
BE10.5A	10.5				10.5-12					0.02
BE12A	12	8	23	M6	12-14					0.02
BE14A	14	10	23	M6	14-16		TP..0802..	MS2206A	ETF07	0.03
BE16A	16				16-18					0.03
BE18A	18	14	27	M10	18-20		TP..0802..	MS2206A	ETF07	0.04
BE20A	20				20-22					0.04
BE22A	22				22-24					0.04
BE24A	24				24-26					0.04
BE26A	26				26-28					0.04
BE28A	28				28-30					0.04
BE30A	30				30-32					0.04
BE32A	32				32-34					0.05
BE34A	34				34-36					0.05
BE36A	36				36-38					0.05
BE38A	38				38-40					0.05
BE40A	40				40-42					0.06
BE42A	42				42-44					0.06
BE44A	44				44-46					0.06
BE46A	46				46-48					0.06
BE48A	48				48-50					0.06
BE50A	50				50-52					0.06

Carbide shank Item code	Dimensions,mm			Shape	Insert	Screw	Wrench	適用套筒 Suitable Collet	Weight (kg)
	D	L	Range						
SC05H-SWUBR-06	5	100	6-7.5		WB..0601..	MS2003A	ETF06	EC1605	0.03
SC06J-SWUBR-06	6	110	7-9					EC1606	0.05

Item code	Dimensions,mm		Shape	適用鎢鋼柄 Suitable Adapters	Weight (kg)
	D	D1			
EC1605	16	5	套筒 COLLET ADAPTERS 	SC05H-SWUBR-06	0.05
EC1606	16	6		SC06J-SWUBR-06	0.05
EC1608	16	8		SC08-M5-..	0.05
EC1610	16	10		SC10-M6-..	0.04
EC1612	16	12		SC12-M6-..	0.03
EC1614	16	14		SC14-M6-..	0.02

Carbide shank Item code		Dimensions,mm			Shape	適用搪刀頭 Suitable Boring Cutter Head	適用套筒 Suitable Collet	Weight (kg)
無水孔Non-coolant	水孔Coolant	D	M	L				
SC08-M5-115	**SC08H-M5-115**	8	M5	115	鎢鋼柄搪刀桿 CARBIDE 	BE09A , BE10.5A	EC1608	0.09
SC10-M6-115	**SC10H-M6-115**	10	M6	115		BE12A , BE14A BE16A	EC1610	0.14
SC10-M6-135	**SC10H-M6-135**			135				0.16
SC10-M6-160	**SC10H-M6-160**			160				0.19
SC12-M6-135	**SC12H-M6-135**	12	M6	135			EC1612	0.23
SC12-M6-165	**SC12H-M6-165**			165				0.28
SC14-M6-160	**SC14H-M6-160**	14	M6	160		BE14A , BE16A	EC1614	0.37
SC16-M10-105	**SC16H-M10-105**	16	M10	105		BE18A ~ BE50A	--	0.32
SC16-M10-140	**SC16H-M10-140**			140				0.43
SC16-M10-180	**SC16H-M10-180**			180				0.54


Ø10
BJ1008-32
BJ1010-40
BJ1012-45
BJ1016-45
BJ1020-45
Ø16
BJ1608-16
BJ1610-20
BJ1612-24
BJ1616-32
Ø18
Ø18
BJ1808-32
BJ1810-40
BJ1812-53
BJ1816-68
BJ1820-83
BJ1825-90
BJ1830-90
BJ-L18-36
BJ1608-32
BJ1610-40
BJ1612-53
BJ1616-68
BJ1620-83
BJ1625-90
BJ1630-90
BJ1640-90
Ø20
Ø20
BJ2008-32
BJ2010-40
BJ2012-53
BJ2016-68
BJ2020-83
BJ2025-96
BJ2030-115
BJ-L20-36
SB1610-30
SB1612-35
SB1614-40
SB1615-45
SB1616-50
SB1618-55
SB1620-60
SB1622-65
SB1625-70

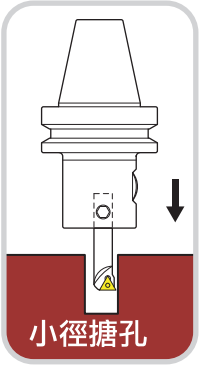


Fig-1

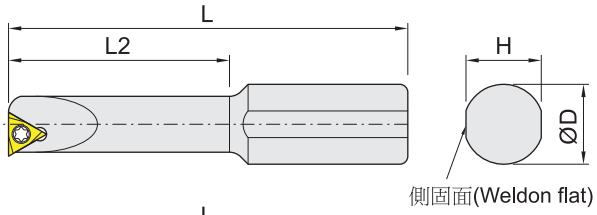


Fig-2

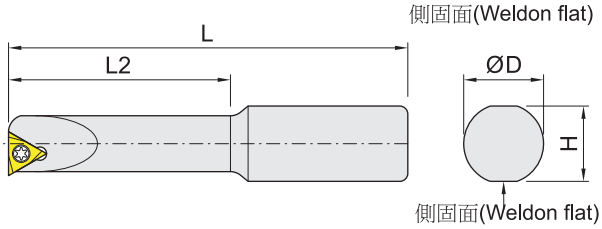
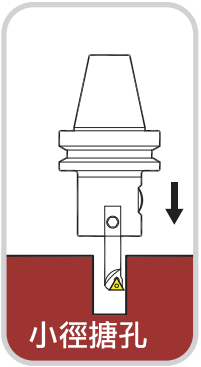
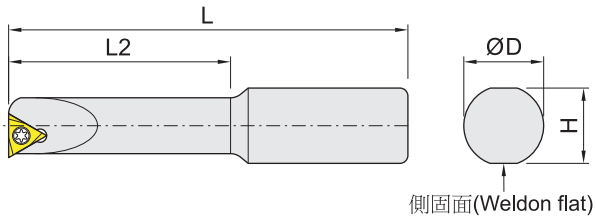


FIG-1 Item code	L2	FIG-2 Item code	L2	FIG-2 Item code	L2	Dimensions,mm D	Range	L	H	Insert	Screw	Wrench	Weight (kg)
		BJ10B06-12	12	**BJ10B06-24**	24	10	6-8	64	9	WB..0601..	MS2003A	ETF06	0.04
BJ1008-32	32			**BJ10B08-32**	32		8-10	64		TB..0601..	MS2004A		0.04
BJ1010-40	40			**BJ10B10-40**	40		10-12	72			MS2005A		0.04
BJ1012-45	22			**BJ10B12-45**	22		12-16	77		TP..0902..	MS2506A	ETF09	0.05
BJ1016-45	22			**BJ10B16-45**	22		16-20	77					0.05
				BJ10B20-45	25		20-25	77					0.05
BJ1020-45	27						20-25	77		TP..1103..	MS3008A		0.05
※**BJ10-5PCS**	BJ1008-32, BJ1010-40, BJ1012-45, BJ1016-45, BJ1020-45												0.66
※**BJ10B-6PCS**	BJ10B06-24, BJ10B08-32, BJ10B10-40, BJ10B12-45, BJ10B16-45, BJ10B20-45												0.64

※ 表盒裝 SUITE





Item code	L2	Item code	L2	Dimensions,mm D	Range	L	H	Insert	Screw	Wrench	Weight (kg)
BJ12B06-12	12	**BJ12B06-24**	24	12	6-8	64	11	WB..0601..	MS2003A	ETF06	0.04
		BJ12B08-32	32		8-10	64		TB..0601..	MS2004A		0.04
		BJ12B10-40	40		10-12	72			MS2005A		0.04
		BJ12B12-45	45		12-16	77		TP..0902..	MS2506A	ETF09	0.05
		BJ12B16-45	22		16-20	77					0.05
		BJ12B20-45	25		20-25	77					0.05
		BJ12B25-45	25		25-30	77		TP..1103..	MS3008A		0.06
※**BJ12B-7PCS**	BJ12B06-24,BJ12B08-32, BJ12B10-40, BJ12B12-45, BJ12B16-45, BJ12B20-45, BJ12B25-45										0.77

※ 表盒裝 SUITE

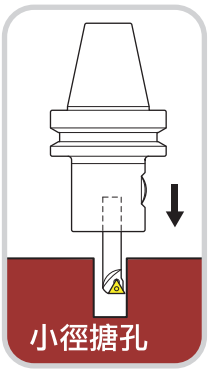


Fig-1

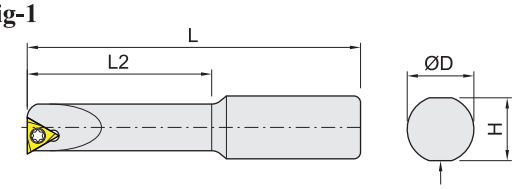


Fig-2

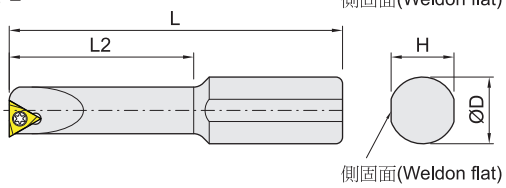
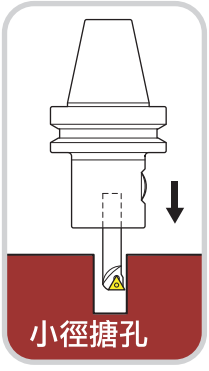
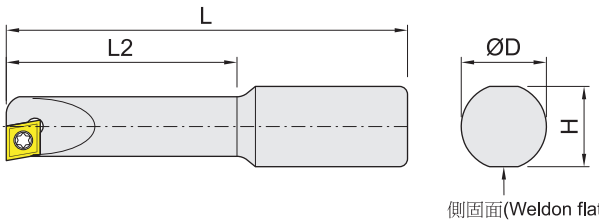


FIG-1 Item code	L2	FIG-1 Item code	L2	FIG-2 Item code	L2	Dimensions,mm D	Range	L	H	Insert	Screw	Wrench	Weight (kg)
BJ1606-12	12	**BJ1606-24**	24	**BJ16B06-25**	25	16	6-8	68	15	WB..0601..	MS2003A	ETF06	0.12
BJ1608-16	16	**BJ1608-32**	32	**BJ16B08-32**	32		8-10	74		TB..0601..	MS2004A		0.12
BJ1610-20	20	**BJ1610-40**	40	**BJ16B10-40**	40		10-12	75			MS2005A		0.13
BJ1612-24	24	**BJ1612-53**	53	**BJ16B12-53**	53		12-16	85		TP..0902..	MS2506A	ETF09	0.13
BJ1614-30	30	**BJ1614-60**	60	**--**	--		14-16	103					0.14
BJ1616-32	32	**BJ1616-68**	68	**BJ16B16-68**	68		16-20	100					0.14
--	--	**BJ1620-83**	35	**BJ16B20-83**	35		20-25	115		TP..1103..	MS3008A	ETF09	0.19
--	--	**BJ1625-90**	35	**BJ16B25-90**	35		25-30	122					0.19
--	--	**BJ1630-90**	40	**BJ16B30-90**	40		30-35	122					0.21
--	--	**BJ1635-90**	40	**BJ16B35-90**	40		35-40	122					0.21
--	--	**BJ1640-90**	40	**BJ16B40-90**	40		40-45	122					0.22
--	--	**BJ1645-90**	40	**BJ16B45-90**	40		45-50	122					0.22
※ **BJ16-2D-8PCS**	BJ1608-16, BJ1610-20, BJ1612-24, BJ1616-32, BJ1620-83, BJ1625-90, BJ1630-90, BJ1640-90												1.86
※ **BJ16-8PCS**	BJ1608-32, BJ1610-40, BJ1612-53, BJ1616-68, BJ1620-83, BJ1625-90, BJ1630-90, BJ1640-90												1.74
※ **BJ16B-8PCS**	BJ16B08-32, BJ16B10-40, BJ16B12-53, BJ16B16-68, BJ16B20-83, BJ16B25-90, BJ16B30-90, BJ16B40-90												1.74

※ 表盒裝 SUITE





Item code	L2	Item code	L2	Dimensions,mm D	Range	L	H	Insert	Screw	Wrench	Weight (kg)
SB1610-18	18	**SB1610-30**	30	16	10-12	75	15	CC..0602..	MS2506A	ETF09	0.12
SB1612-20	20	**SB1612-35**	35		12-14	80					0.13
SB1614-22	22	**SB1614-40**	40		14-16	85					0.13
SB1615-25	25	**SB1615-45**	45		15-17	90					0.14
SB1616-30	30	**SB1616-50**	50		16-18	95					0.15
		SB1618-55	30		18-20	100					0.16
		SB1620-60	30		20-22	105		CC..09T3..	MS4009A	ETF15	0.17
		SB1622-65	30		22-25	110					0.17
		SB1625-70	30		25-28	115					0.18

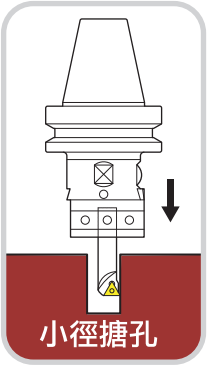


Fig-1

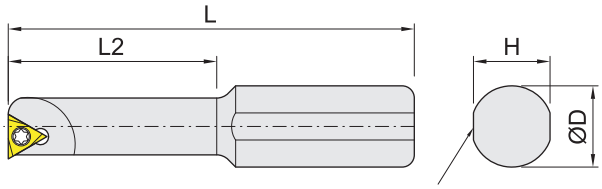


Fig-2

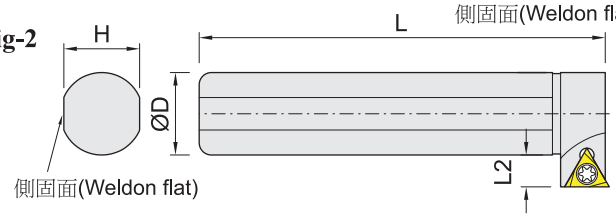


FIG-1 Item code	L2	FIG-1 Item code	L2	FIG-2 Item code	L2	Dimensions,mm D	Range	L	H	Insert	Screw	Wrench	Weight (kg)
BJ1806-12	12	**BJ1806-24**	24			18	6-8	68	17	WB..0601..	MS2003A	ETF06	0.14
		BJ1808-32	32			18	8-10	72	17	TB..0601..	MS2004A		0.14
		BJ1810-40	40			18	10-12	80	17		MS2005A		0.16
		BJ1812-53	53			18	12-16	93	17	TP..0902..	MS2506A	ETF09	0.19
		BJ1816-68	68			18	16-20	108	17				0.22
		BJ1820-83	40			18	20-25	123	17	TP..1103..	MS3008A	ETF09	0.25
		BJ1825-90	40			18	25-30	130	17				0.26
		BJ1830-90	40			18	30-35	130	17				0.26
				BJ-L18-36	9	18	--	97	17				0.19
※BJ18-8PCS	BJ1808-32, BJ1810-40, BJ1812-53, BJ1816-68, BJ1820-83, BJ1825-90,BJ1830-90, BJ-L18-36												1.99

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FIG-1 Item code	L2	FIG-1 Item code	L2	FIG-2 Item code	L2	Dimensions,mm D	Range	L	H	Insert	Screw	Wrench	Weight (kg)
BJ2006-12	12	**BJ2006-24**	24			20	6-8	68	18	WB..0601..	MS2003A	ETF06	0.11
BJ2008-16	16	**BJ2008-32**	32			20	8-10	74	18	TB..0601..	MS2004A		0.12
BJ2010-20	20	**BJ2010-40**	40			20	10-12	75	18		MS2005A		0.12
		BJ2012-53	53			20	12-16	85	18	TP..0902..	MS2506A	ETF09	0.13
		BJ2016-68	68			20	16-20	100	18				0.17
		BJ2020-83	83			20	20-25	115	18	TP..1103..	MS3008A		0.24
		BJ2025-96	40			20	25-30	135	18				0.33
		BJ2030-115	40			20	30-35	158	18				0.39
				BJ-L20-36	8	20	--	97	18				0.24
※BJ20-8PCS	BJ2008-32, BJ2010-40, BJ2012-53, BJ2016-68, BJ2020-83, BJ2025-96, BJ2030-115, BJ-L20-36												2.26

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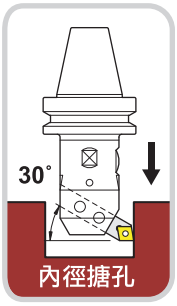
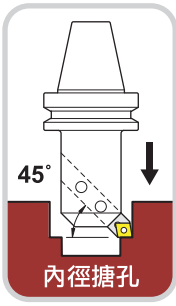
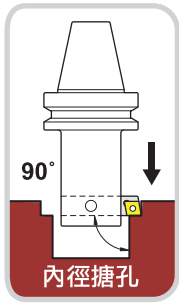
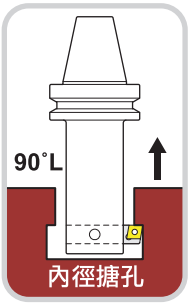
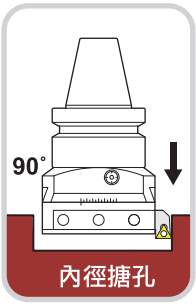








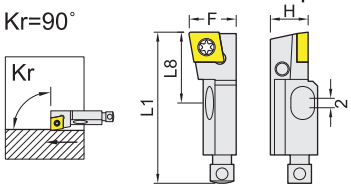
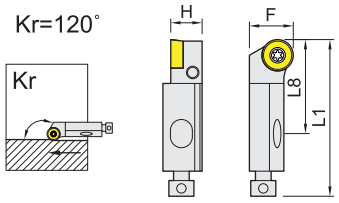
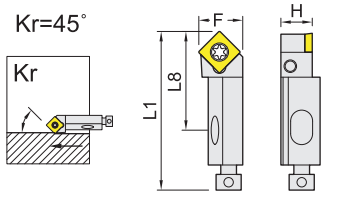
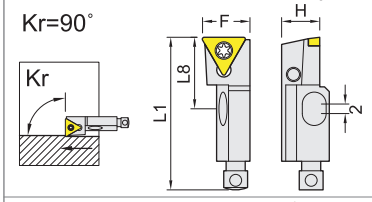
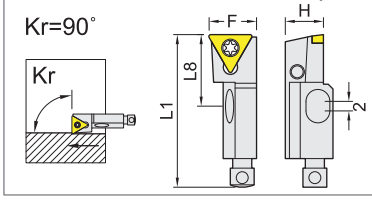


Insert Shape	Fig-1 Item code	Insert	Fig-2 Item code	Insert	Fig-2 Item code	Insert	Fig-3 Item code	Insert	Dimensions,mm H	W	L	Weight (kg)
1 L W 30° 2 30° 3 27°	TBS306	CC..0602..	TSBS306	TC..0902..	SBS306	TP..0902..			6	6	55	0.03
	TBS308	CC..0602..	TSBS308	TC..0902..	SBS308	TP..0902..	SBS308A	TP..0902..	8	8	55	0.04
	TBS310	CC..0602..	TSBS310	TC..0902..	SBS310	TP..0902..	SBS310A	TP..0902..	10	10	65	0.06
	TBS313	CC..09T3..	TSBS313	TC..1102..	SBS313	TP..1103..	SBS313A	TP..1103..	13	13	80	0.12
	TBS316	CC..09T3..	TSBS316	TC..16T3..	SBS316	TP..1103..	SBS316A	TP..1103..	16	16	125	0.26
					SBS316B	TP..1603..			16	16	125	0.26
	TBS319	CC..1204..	TSBS319	TC..16T3..	SBS319	TP..1603..	SBS319A	TP..1603..	19	19	140	0.40
	TBS325	CC..1204..	TSBS325	TC..16T3..	SBS325	TP..1603..			25	25	150	0.73
1 L W 45° 2 45° 3 42°	TBS406	CC..0602..	TSBS406	TC..0902..	SBS406	TP..0902..			6	6	55	0.03
	TBS408	CC..0602..	TSBS408	TC..0902..	SBS408	TP..0902..	SBS408A	TP..0902..	8	8	55	0.04
	TBS410	CC..0602..	TSBS410	TC..0902..	SBS410	TP..0902..	SBS410A	TP..0902..	10	10	65	0.06
	TBS413	CC..09T3..	TSBS413	TC..1102..	SBS413	TP..1103..	SBS413A	TP..1103..	13	13	80	0.12
	TBS416	CC..09T3..	TSBS416	TC..16T3..	SBS416	TP..1103..	SBS416A	TP..1103..	16	16	125	0.26
					SBS416B	TP..1603..			16	16	125	0.26
	TBS419	CC..1204..	TSBS419	TC..16T3..	SBS419	TP..1603..	SBS419A	TP..1603..	19	19	140	0.41
	TBS425	CC..1204..	TSBS425	TC..16T3..	SBS425	TP..1603..			25	25	150	0.73
1 L W 90° 2 90° 3 93°	TBS906	CC..0602..	TSBS906	TC..0902..	SBS906	TP..0902..			6	6	55	0.03
	TBS908	CC..0602..	TSBS908	TC..0902..	SBS908	TP..0902..	SBS908A	TP..0902..	8	8	55	0.04
	TBS910	CC..0602..	TSBS910	TC..0902..	SBS910	TP..0902..	SBS910A	TP..0902..	10	10	65	0.06
	TBS913	CC..09T3..	TSBS913	TC..1102..	SBS913	TP..1103..	SBS913A	TP..1103..	13	13	80	0.12
	TBS916	CC..09T3..	TSBS916	TC..16T3..	SBS916	TP..1103..	SBS916A	TP..1103..	16	16	125	0.26
					SBS916B	TP..1603..			16	16	125	0.26
	TBS919	CC..1204..	TSBS919	TC..16T3..	SBS919	TP..1603..			19	19	140	0.42
	TBS925	CC..1204..	TSBS925	TC..16T3..	SBS925	TP..1603..			25	25	150	0.73
1 L W 90°	TBS906L	CC..0602..							6	6	55	0.03
	TBS908L	CC..0602..							8	8	55	0.04
	TBS910L	CC..0602..							10	10	65	0.06
	TBS913L	CC..09T3..							13	13	80	0.12
	TBS916L	CC..09T3..							16	16	125	0.26
	TBS919L	CC..1204..							19	19	140	0.40
	TBS925L	CC..1204..							25	25	150	0.73
2 L W 90°					BSB916	TP..1103..			16	16	125	0.30
					BSB920	TP..1103..			20	20	150	0.40
					BSB925	TP..1103..			25	25	150	0.73

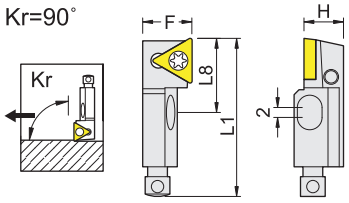
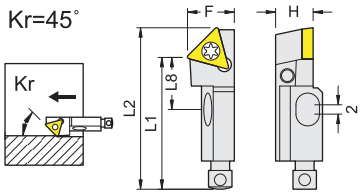
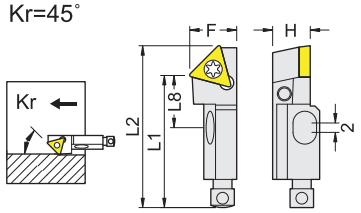
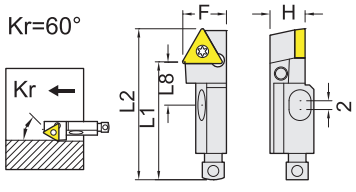
Insert	Screw	Wrench
CC..0602..	MS2506A	ETF09
CC..09T3..	MS4011A	ETF15
CC..1204..	MS5011A	ETF20

Insert	Screw	Wrench
TC..0902..	MS2206A	ETF07
TC..1102..	MS2506A	ETF09
TC..16T3..	MS4011A	ETF15

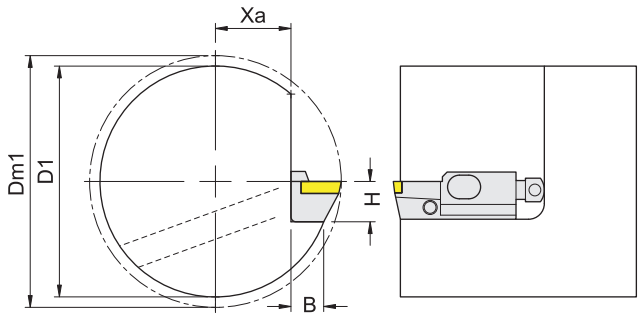
Insert	Screw	Wrench
TP..0902..	MS2506A	ETF09
TP..1103..	MS3008A	ETF09
TP..1603..	MS4011A	ETF15

Cartridges shape	Item code	Dimensions,mm						Insert	Weight (kg)
		L1	L8	F	H	Dm min	Rε		
SCFCR Screw clamp Kr=90° 	**SCFCR-08CA-06**	32	15	10	8	25	0.4	CC..0602..	0.03
	SCFCR-10CA-09	50	30	14	10	40	0.4	CC..09T3..	0.08
	SCFCR-12CA-12	55	35	20	12	50	0.8	CC..1204..	0.11
SRSCR Screw clamp Kr=120° 	**SRSCR/L-10CA-10**	50	30	14	10	40		RC..10T3..	0.07
SSSPR Screw clamp Kr=45° 	**SSSPR-10CA-09**	50	30	14	10	40	0.4	SP..0903..	0.07
STFCR Screw clamp Kr=90° 	**STFCR-08CA-09**	32	15	10	8	25	0.4	TC..0902..	0.03
	STFCR-10CA-11	50	30	14	10	40	0.4	TC..1102..	0.07
	STFCR-12CA-16	55	35	20	12	50	0.8	TC..16T3..	0.11
STFPR Screw clamp Kr=90° 	**STFPR-08CA-09**	32	15	10	8	25	0.4	TP..0902..	0.03
	STFPR-10CA-11	50	30	14	10	40	0.4	TP..1103..	0.07
	STFPR-12CA-16	55	35	20	12	50	0.8	TP..1603..	0.11

卡式刀座【符合ISO規格】
CARTRIDGES MEET WITH ISO STD.

Cartridges shape	Item code	Dimensions,mm							Insert	Weight (kg)
		L1	L2	L8	F	H	Dm min	Rε		
STGCL Screw clamp Kr=90° 	**STGCL-12CA-16**	55	--	35	20	12	75	0.8	TC..16T3..	0.11
STSPR Screw clamp Kr=45° 	**STSPR-08CA-09**	28	34.1	11	10	8	25	0.4	TP..0902..	0.03
	STSPR-10CA-11	44	51.0	24	14	10	40	0.4	TP..1103..	0.07
	STSPR-12CA-16	47	57.0	27	20	12	50	0.8	TP..1603..	0.11
STSCR Screw clamp Kr=45° 	**STSCR-08CA-09**	28	34.1	11	10	8	25	0.4	TC..0902..	0.03
	STSCR-10CA-11	44	51.0	24	14	10	40	0.4	TC..1102..	0.07
	STSCR-12CA-16	47	57.0	27	20	12	50	0.8	TC..16T3..	0.11
STTCR Screw clamp Kr=60° 	**STTCR-08CA-09**	27	34.1	10	10	8	25	0.4	TC..0902..	0.03

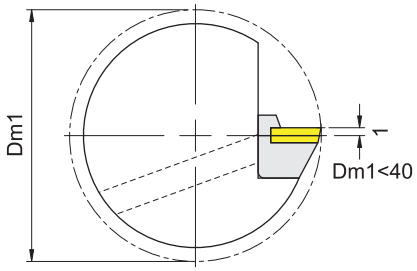
Axial mounting



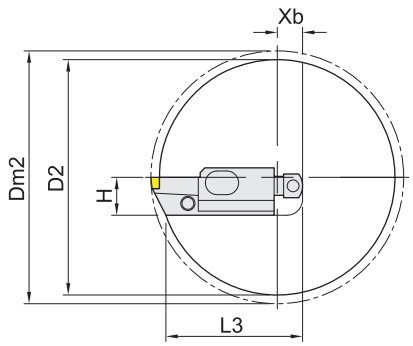
$Xa = \frac{Dm1}{2} - F$

Axial adjust= ±1mm
Radial adjust= +0.5mm

$D1 = 2\sqrt{H^2+(B(\pm)Xa)^2}$



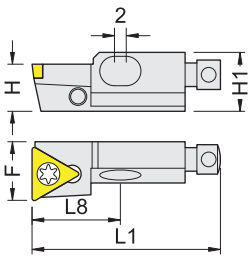
Radial mounting

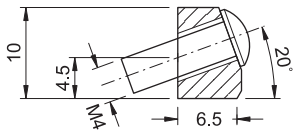
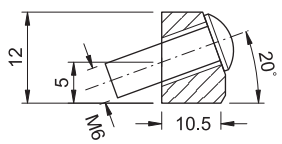
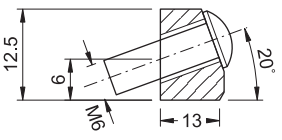


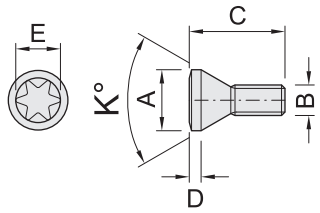
$Xb = L1 - \frac{Dm2}{2}$

Axial adjust= +0.5mm
Radial adjust= ±1mm

$D2 = 2\sqrt{H^2+(L3(\pm)Xb)^2}$



Cartridge size	Item code	Screw	Wrench	Screw	Wrench	Screw	Screw	Wrench
08CA 	**STFCR-08CA-09**	HM408	PL20	HTR414	PL25	RTM412	MS2206A	ETF07
	STSCR-08CA-09							
	STTCR-08CA-09							
	SCFCR-08CA-06	HM408	PL20	HTR414	PL25	RTM412	MS2506A	ETF09
	STFPR-08CA-09							
	STSPR-08CA-09							
10CA 	**STFCR-10CA-11**	HM410	PL20	HTR623	PL40	RTM515	MS2506A	ETF09
	STSCR-10CA-11							
	STFPR-10CA-11						MS3008A	
	STSPR-10CA-11							
	SRSCR/L-10CA-10						MS3509A	ETF15
	SCFCR-10CA-09						MS4009A	
	SSSPR-10CA-09							
12CA 	**SCFCR-12CA-12**	HM412	PL20	HTR623	PL40	RTM515	MS5011A	ETF20
	STGCL-12CA-16						MS4011A	ETF15
	STFCR-12CA-16							
	STFPR-12CA-16							
	STSCR-12CA-16							
	STSPR-12CA-16							

Screw Shape	Item code	Dimensions,mm						備　註	Weight 100pcs(kg)
		A	B	C	D	E	K°		
	**MS1603A**	2.65	M1.6*0.35	3.0	0.55	T6	70	星型	0.01
	MS1604A	2.65		4.0	0.55	T6	70		0.01
	MS1603B	2.35		3.0	0.5	T6	50		0.01
	MS1604B	2.35		4.0	0.5	T6	50		0.01
	MS1604C	2.50		4.0	0.65	T6	70		0.01
	MS1803A	2.40	M1.8*0.35	3.4	0.7	T6	60		0.01
	MS1804A	2.40		4.1	0.7	T6	60		0.01
	MS1805A	2.40		5.0	0.7	T6	60		0.01
	MS1804B	2.35		4.0	0.5	T6	50		0.01
	MS2003A	2.70	M2.0*0.4	3.3	0.5	T6	60		0.01
	MS2004A	2.70		4.0	0.5	T6	60		0.01
	MS2005A	2.70		5.0	0.5	T6	60		0.01
	MS2005B	3.05		5.0	0.5	T6	60		0.01
	MS2004C	2.70		4.0	1.0	T6	60		0.01
	MS2205A	3.10	M2.2*0.45	5.0	0.9	T7	60		0.02
	MS2206A	3.10		6.0	0.9	T7	60		0.02
	MS2205C	2.75		4.5	1.0	T7	60		0.02
	MS2206F	3.10		5.5	0.4	T7	60		0.02
	MS2506A	3.50	M2.5*0.45	6.0	0.9	T9	45		0.02
	MS2507A	3.50		6.8	0.9	T9	45		0.02
	MS2508A	3.50		8.0	0.9	T9	45		0.03
	MS2505B	3.50		5.0	0.9	T9	60		0.02
	MS2506B	3.50		6.0	0.9	T9	60		0.02
	MS2508B	3.50		8.0	0.9	T9	60		0.03
	MS2505C	3.40		4.8	0.5	T7	50		0.02
	MS2506C	3.40		5.5	0.5	T7	50		0.02
	MS2505E	3.50		5.0	0.7	T8	60		0.02
	MS2506E	3.50		6.0	0.7	T8	60		0.02
	MS2507E	3.50		7.0	0.7	T8	60		0.02
	MS2507G	4.50		7.0	0.3	T8	60		0.03
	MS2506H	3.85		6.0	0.95	T8	60		0.02
	MS2506J	3.90		6.0	0.35	T8	60		0.02
	MS3005A	4.00	M3.0*0.5	5.0	1.2	T9	60		0.03
	MS3006A	4.00		6.0	1.2	T9	60		0.03
	MS3008A	4.00		7.3	1.2	T9	60		0.04
	MS3010A	4.00		10.0	1.2	T9	60		0.04
	MS3006B	3.80		6.0	0.7	T9	40		0.03
	MS3008B	3.80		8.0	0.7	T9	40		0.04
	MS3007C	4.40		7.0	1.2	T10	60		0.02
	MS3008C	4.40		8.0	1.2	T10	60		0.04
	MS3008D	5.30		8.0	0.8	T15	60		0.04
	MS3007K	3.95		6.5	0.55	T8	60		0.04
	MS3008L	4.30		8.0	0.55	T9	60		0.04
	MS3212A	5.50	1/8UNC40	12.15	0.8	T10	60		0.08
	MS3506A	5.30	M3.5*0.6	6.0	0.8	T15	60		0.04
	MS3507A	5.30		7.0	0.8	T15	60		0.05
	MS3509A	5.30		9.0	0.8	T15	60		0.06
	MS3512A	5.30		12.0	0.8	T15	60		0.08
	MS3509B	5.30		9.5	1.4	T15	60		0.07

螺絲，壓板…等配件屬於消耗品，建議依據使用情況，適時更換。
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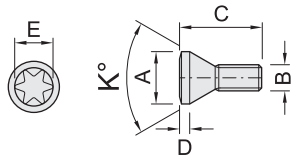
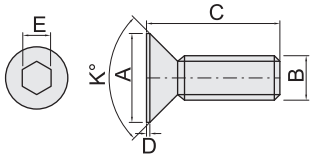
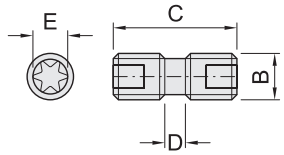
Screw Shape	Item code	Dimensions,mm						備　註	Weight 100pcs(kg)
		A	B	C	D	E	K°		
	**MS3512B**	5.30	M3.5*0.6	12.0	1.4	T15	60	星型	0.08
	MS3512D	6.00		12.0	1.2	T15	60		0.10
	MS3510E	4.80		9.5	1.0	T10	60		0.06
	MS3508F	4.80		8.0	0.6	T10	60		0.05
	MS4008A	5.40	M4.0*0.7	8.2	1.1	T15	60		0.07
	MS4009A	5.40		9.0	1.1	T15	60		0.08
	MS4011A	5.40		11.0	1.1	T15	60		0.09
	MS4008B	4.95		8.0	0.9	T15	40		0.07
	MS4009B	4.95		9.0	0.9	T15	40		0.09
	MS4008C	5.60		7.5	0.5	T10	90		0.06
	MS4011D	6.20		11.0	0.6	T15	60		0.06
	MS4014D	6.20		13.6	0.6	T15	60		0.06
	MS4013F	5.20		12.8	1.2	T15	42.5		0.10
	MS4011G	5.70		11.0	1.2	T15	50		0.09
	MS4014M	7.10	M4.0*0.7	13.6	0.9	T15	60		0.14
	MS4014N	5.60		13.6	1.2	T15	60		0.12
	MS4011Q	5.20		11.0	0.8	T15	40		0.10
	MS4012Q	5.20		12.0	0.8	T15	40		0.10
	MS4012R	5.15		12.0	0.5	T15	40		0.10
	MS4511A	6.80	M4.5*0.75	11.0	1.1	T20	60		0.12
	MS4516A	6.80		16.0	1.1	T20	60		0.18
	MS4512B	5.80		12.0	1.3	T15	60		0.12
	MS4509TRV	5.80		9.0	0.5	T10	60		0.09
	MS5011A	7.00	M5.0*0.8	11.0	1.1	T20	60		0.15
	MS5014A	7.00		14.0	1.1	T20	60		0.18
	MS5017D	7.00		17.0	0.8	T20	60		0.19
	MS5020E	8.10		20.0	1.0	T25	60		0.29
	MS5022E	8.10		22.0	1.0	T25	60		0.29
	MS5013G	6.40		12.5	0.54	T20	45		0.19
	MS50L13G	6.40	M5.0*0.8L	12.5	0.54	T20	45		0.19
	MS5015H	8.10	M5.0*0.8	15.0	1.0	T25	60		0.29
	MS5022H	8.10		22.0	1.0	T25	60		0.29
	MS6010G	7.85	M6.0*1.0	10.0	0.2	T15	90		0.17
	MS6011H	7.85		11.0	2.0	T20	90		0.17
	MS4011S	5.70	M4.0*0.7	11.0	0.6	T15	R2.1		0.10
	**MS4008H**	5.80	M4.0*0.7	8.0	1.2	P2.5	90	六角	0.07
	MS4012E	8.00		12.0	0.3	P2.5	90		0.12
	MS6022E	9.50	M6.0*1.0	22.0	4.0	P5.0	90		0.48
	**MS520TX**	--	M5.0*0.8	20.0	6	T10	--	雙頭星型	0.18
	MS620TX	--	M6.0*1.0	20.0	5.5	T15	--		0.26
	MS625TX	--		25.0	6		--		0.36
	MS630TX	--		30.0	6		--		0.44

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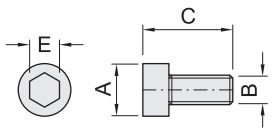
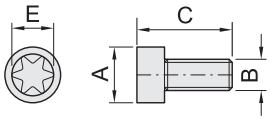
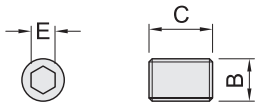
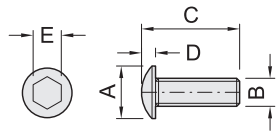
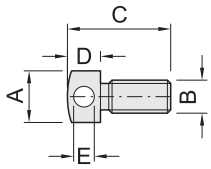
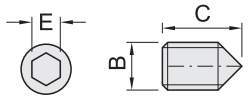
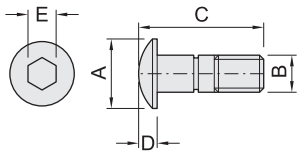
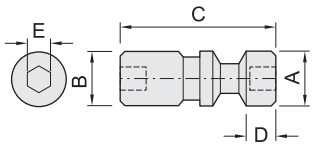
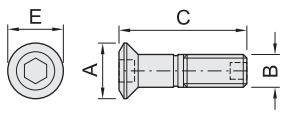
Screw Shape	Item code	Dimensions,mm						備　註	Weight 100pcs(kg)
		A	B	C	D	E	K°		
	**HTM309**	5.4	M3.0*0.5	8.9	--	P2.5	--	六角	0.07
	HTM412	7.0	M4.0*0.7	12.0	--	P3.0	--		0.15
	HTM416			16.0	--		--		0.18
	HTM420			20.0	--		--		0.21
	HTM512	8.0	M5.0*0.8	12.0	--	P4.0	--		0.28
	HTM512HC	8.5		12.0	--		--		0.28
	HTM516	8.0		16.0	--		--		0.31
	HTM622	10.0	M6.0*1.0	22.0	--	P5.0	--		0.54
	HTM625			25.0	--		--		0.62
	HTM630			30.0	--		--		0.70
	**HTMT520**	8.5	M5.0*0.8	20.0	--	T25	--	星型	0.36
	HTMT525			25.0	--		--		0.41
	**HM408**	--	M4.0*0.7	7.7	--	P2.0	--	六角	0.10
	HM410	--		9.7	--		--		0.10
	HM412	--		11.7	--		--		0.10
	HM1216	--	M12*1.75	16.0	--	P6.0	--		0.86
	**HTR414**	7.5	M4.0*0.7	14.2	2.2	P2.5	--		0.16
	HTR623	10.2	M6.0*1.0	23.4	3.4	P4.0	--		0.48
	**RTM412**	5.5	M4.0*0.7	12.5	4.0	2.3	--	卡式刀座調整螺絲	0.10
	RTM515	8.0	M5.0*0.8	15.0	5.0	3	--		0.24
	RTM825	11.5	M8.0*1.25	25.0	5.0	2.4	--		1.08
	**MCS3S-09**	--	M6.0*1.0	9.0	--	P3.0	--	中心梢固定螺絲	0.09
	MCS3S-11	--		11.0	--	P3.0	--		0.12
	**MCS3-P25**	10.0	M5.0*0.8	24.0	3.6	P2.5	--	壓板固定螺絲	0.42
	MCS3-P40	10.0		28.0	6.0	P4.0	--		0.56
	MCD-324-S	10.0	M6.0*1.0	19.07	2.37	T20	--		0.42
	MCD-331-S	9.0	M5.0*0.8	20.3	2.1	T20	--		0.32
	**LCS3**	5.92	M6.0*1.0	16.8	3.3	P2.5	--	壓板固定螺絲	0.24
	LCS4	7.95	M8.0*1.0	21.0	5.74	P3.0	--		0.56
	**WCS623**	10.0	M6.0*1.0	24.2	--	P4.0	--	壓板固定螺絲	0.52

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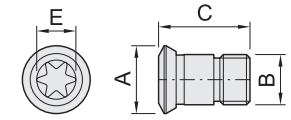
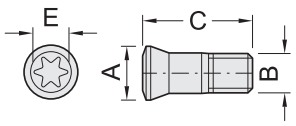
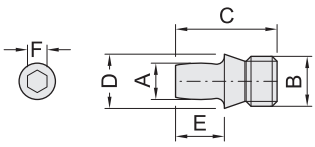
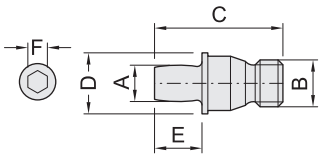
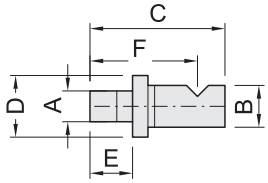
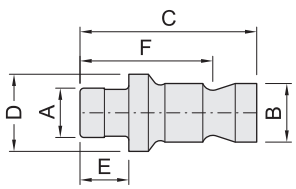
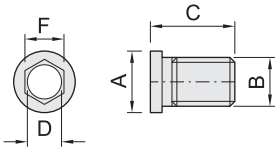
Screw Shape	Item code	Dimensions,mm						備　註	Weight 100pcs(kg)
		A	B	C	D	E	K°		
	**MGR3008**	4.2	M3*0.5	7.0	--	T8	--	WGR 固定螺絲	0.06
	MGR4010	6.0	M4*0.5	8.6	--	T15	--		0.08
	MGR5012	6.8	M5*0.5	9.2	--	T20	--		0.14
	MGR5016	7.5		12.8	--	T20	--		0.20
	MGR5020	8.0		16.3	--	T20	--		0.26
	MGR6025	9.6	M6*0.75	20.4	--	T30	--		0.46
	MGR8030	12.0	M8*0.75	24.7	--	T30	--		0.92
	**DVF6240**	3.10	M2.5*0.35	6.3	--	T7	--	PPH 固定螺絲	0.04
	DVF6241	3.70	M3.0*0.35	7.8	--	T8	--		0.06
	DVF6242	4.65	M3.5*0.6	9.5	--	T10	--		0.08
	DVF6244	5.85	M4.0*0.7	13.3	--	T15	--		0.14
	DVF6246	6.85	M5.0*0.8	16.25	--	T20	--		0.24
	DVF6247	8.30	M6.0*1.0	20.0	--	T30	--		0.40
	DVF6248	11.0	M8.0*1.25	25.0	--	T30	--		0.90

Pin Shape	Item code	Dimensions,mm						備　註	Weight 100pcs(kg)
		A	B	C	D	E	F		
	**MLP33L-A**	3.7	M5.0*0.8	11.0	5.6	5.0	P2.0	中心梢	0.10
	MLP33L-B								
	MLP44-A	5.0	M6.0*1.0	13.2	7.32	5.4	P2.5		0.20
	MLP44-B								
	**MLP34L-A**	3.7	M5.0*0.8	13.7	6.25	5.1	P2.0	中心梢	0.16
	MLP34L-B								
	MLP46-A	5.0	M6.0*1.0	17.8	7.78	5.45	P2.5		0.32
	MLP46-B								
	MLP46L-A			18.63	7.78	6.85	P2.5		0.36
	MLP46L-B								
	**MCP3**	3.7	5	15	6	4	10.6	中心梢	0.22
	**MCP4**	5.05	6	18.1	7.9	5	13.6		0.38
	MCP4-A	5.05	6	18.0	7.15	4.4	13.92		0.36
	**MDS05035S**	6.3	M5.0*0.5	7.0	M3.5*0.6	--	P3.5	墊片螺絲	0.08
	MDS050H65T	6.3	M5.0*0.5	7.0	--	--	P3.5		0.10
	MDS06040T	7.8	M6.0*0.75	7.5	M4.0*0.7	--	P4.0		0.09

螺絲，壓板…等配件屬於消耗品，建議依據使用情況，適時更換。
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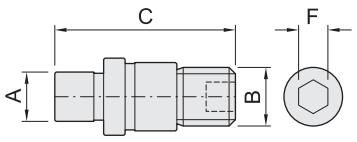
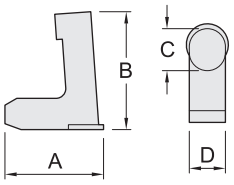
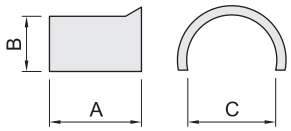
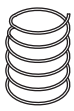
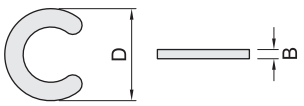
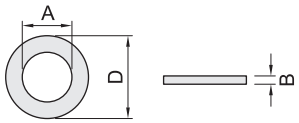
Pin Shape	Item code	Dimensions,mm						備　註	Weight 100pcs(kg)
		A	B	C	D	E	F		
	**SCP315**	3.7	M5.0*0.8	15	--	--	P2.5	中心梢	0.20
	SCP318			18.5					0.26
	SCP418	5.05	M6.0*1.0	18.5	--	--	P3.0		0.42
	**LCL33**	10.00	12.3	3.7	3.7	--	--	中心梢	0.16
	LCL4	14.20	14.6	5	4.6				0.36

Shape	Item code	Dimensions,mm					備　註	Weight 100pcs(kg)
		A	B	C	D	E		
	**LSP3**	5.50	3	4.1	--	--	簧片	0.02
	LSP4	7.30	4	6	--	--		0.04
	**MES3**	--	--	--	--	--	彈簧	0.04
	**ECM5**	--	0.56	--	7.38	--	C型環	0.02
	ECM6	--	0.6	--	7.9	--		0.02
	ECM4-CPS4	--	0.4	--	5.6	--		0.02
	ECM5-CPS5	--	0.4	--	6.19	--		0.02
	ECM6-CPS6	--	0.6	--	6.99	--		0.02
	ECM35-MC35	--	0.4	--	4.6	--		0.02
	**HS-M5**	5.4	1.0	--	10	--	華司	0.06
	HS-M6-D1212	6.4	1.2	--	12	--		0.07

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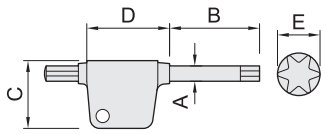
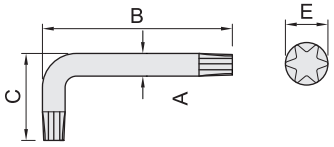
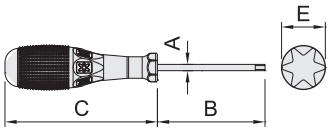
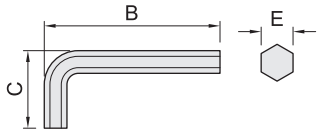
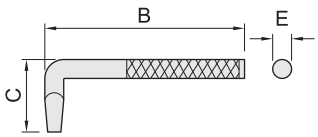
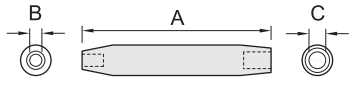
Wrench Shape	Item code	Dimensions,mm					備　註	Weight 100pcs(kg)
		A	B	C	D	E		
	**ETF06**	3	45	21	20	T6	國旗 星型板手	0.60
	ETF07					T7		
	ETF08					T8		
	ETF09					T9		
	ETF10					T10		
	ETF15	4	50	30	22	T15		1.08
	ETF20					T20		
	**ETL10**	3	65	19	--	T10	L型雙頭 星型板手	0.42
	ETL15	4	72	26	--	T15		0.84
	ETL20	4	78	29	--	T20		0.94
	ETL25	5	85	33	--	T25		1.60
	ETL30	6	96	38	--	T30		2.64
	**ETD06**	4	60	85	--	T6	起子型 星型板手	3.00
	ETD07				--	T7		3.00
	ETD08				--	T8		3.00
	ETD09		70		--	T9		3.20
	ETD10	5		105	--	T10		5.80
	ETD15		80		--	T15		6.00
	ETD20		100		--	T20		6.00
	**PL15T**	--	45	14	--	P1.5	六角型 板手	0.10
	PL20T	--	50	16	--	P2.0		0.30
	PL25T	--	56	18	--	P2.5		0.30
	PL30T	--	63	20	--	P3.0		0.49
	PL35T	--	66	22	--	P3.5		0.76
	PL40T	--	70	25	--	P4.0		1.00
	PL50T	--	80	28	--	P5.0		1.82
	PL60T	--	90	32	--	P6.0		3.00
	**ESG-1**	--	80	27	--	5	切槽刀板 板手	1.44
	**PC0304**	62	4	5.5	--	--	金屬梢 (簧片)沖頭	0.50

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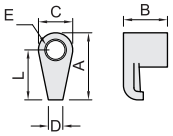
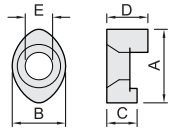
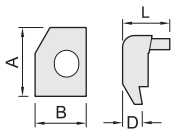
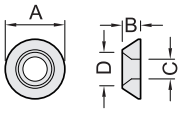
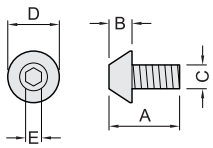
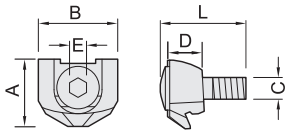
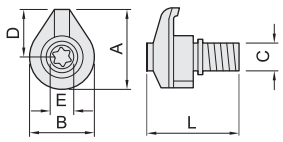
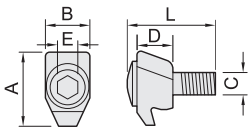
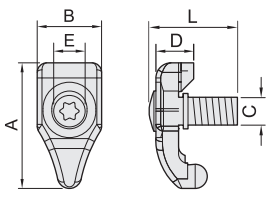
Clamp Shape	Item code	Dimensions,mm						備註	Weight 100pcs(kg)
		A	B	C	D	E	L		
	**MC515**	14.7	11.2	7.8	4	M5L	10.8		0.42
	MC620	18.6	12.2	9.4	5.5	M6L	13.9		0.64
	MC622	21.5	13.2	9.4	4.8	M6L	16.8		0.74
	**GR-5R**	10.2	7.5	4.2	5.7	3.8	--		0.12
 Right-hand shown	**MTK1R**	17.5	13.0	--	5.3	--	11.5		0.74
	MTK1L								0.78
	**MSR-6R**	10.3	4.1	4.5	6.5	--	--		0.16
	MSR-8R	12.7	4	5.5	7.5	--	--		0.20
	**MSR48-P3**	12.8	4.6	3/16UNF32	9.5	P3.0	--		0.24
	MSR60-P4	17.2	5.1	M6*0.75	13.0	P4.0	--		0.48
	MSR63-P4	17.3	5.0	1/4UNF28	13.0	P4.0	--		0.50
	MSR63L-P4	17.3	5.0	1/4UNF28	13.0	P4.0	--		0.52
	MSR79-P5	21.1	7.1	5/16UNF24	17.0	P5.0	--		1.02
	MSR80-P5	25.15	7.1	M8*1.0	17.8	P5.0	--		1.32
	**MCW3-P25**	15.5	18.5	M5*0.8	7.8	P2.5	24		1.32
	MCW3-P40	15.5	18.5	M5*0.8	7.8	P4.0	28		1.46
	MCW4A-P40	16.43	24.2	M6*1.0	7.88	P4.0	28		2.07
	**CPS4V**	11.25	8.0	M4*0.7	7.25	T10	8.9		0.18
	CPS5F	12.65	10.3	M5*0.8	7.5	T15	11.5		0.30
	CPS5F-1								0.30
	CPS5V						13.5		0.34
	CPS6F	15.6	12.2	M6*1.0	9.5	P3.0	16.0		0.62
	CPS6V						18.8		0.64
	**WCW6-P4**	17.5	10.5	M6*1.0	8.0	P4.0	24.2		1.12
	**MCD324**	23.75	12.8	M6*1.0	7.5	T20	19.07		1.08
	MCD324B	23.75	15.8	M6*1.0	8.5	T20	19.07		1.40
	MCD331	30.80	12.8	M5*0.8	9.0	T20	20.3		1.60
	MCD425	24.95	12.8	M6*1.0	7.5	T20	19.07		1.16
	MCD430	29.50	12.8	M5*0.8	9.0	T20	20.3		1.56

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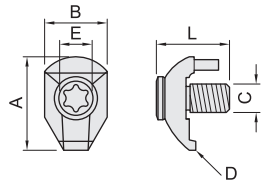
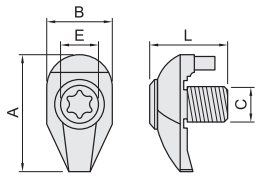
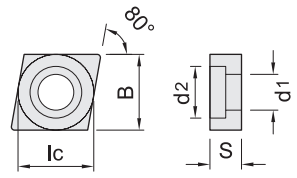
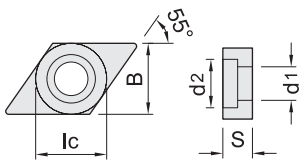
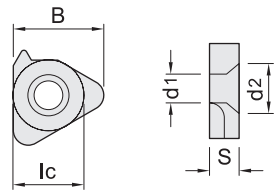
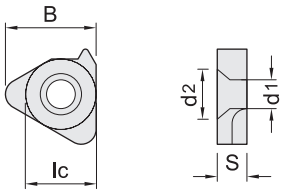
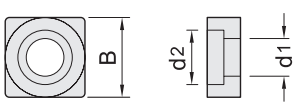
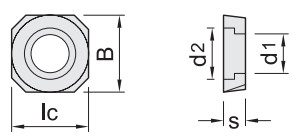
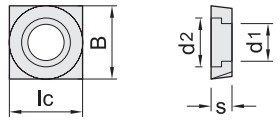
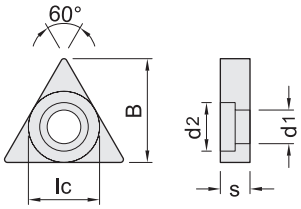
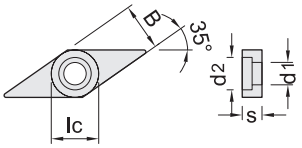
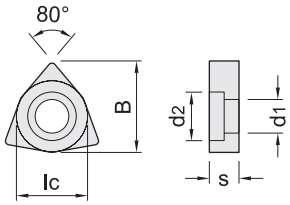
Clamp Shape	Item code	Dimensions,mm						備　註	Weight 100pcs(kg)
		A	B	C	D	E	L		
	**MC35-3V**	11.5	7.65	M3.5*0.6	方型	T15	9		0.16
	MC35-5V				圓點				
	**MC50V**	16.5	9.25	M5*0.8	--	T20	11		0.38

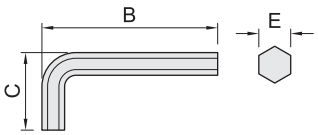
Shim Shape	Item code	Dimensions,mm					備　註	Weight 100pcs(kg)
		Ic	S	B	d1	d2		
	**CMS432**	12.5	4.8	12.5	7.3	8.0		0.88
	CMS533	15.5	4.8	15.5	9.9	11.0		1.32
	CPS422	12.6	3.2	12.6	6.9	8.9		0.62
	**DMS432**	12.5	4.8	12.5	7.3	8.1		1.18
	DMS442	12.2	6.4	12.2	7.5	8.2		1.50
	DPS422	12.5	3.2	12.5	7.0	8.7		0.78
	**GXE16**	9.5	3.2	13.0	4.5	6.5		0.50
	GXE22	12.7	4.0	17.1	5.3	7.4		1.06
	GXE27	15.6	5.5	22.5	5.8	8.9		2.26
	**GXN16**	9.5	3.2	13.0	4.5	6.5		0.48
	GXN22	12.7	4.0	17.1	5.2	7.4		1.06
	GXN27	15.6	5.5	22.5	5.8	8.9		2.26
	**SMS432**	12.5	4.8	12.5	7.2	8.2		0.84
	**SSS445N**	10.7	3.0	10.7	5.2	6.9		0.42
	SSS445N-1	10.6	3.0	10.6	5.2	6.9		0.42

螺絲，壓板…等配件屬於消耗品，建議依據使用情況，適時更換。
It is recommended to replace the consumable parts (screw, clamp…etc.) at the proper time according to the situation.

Shim Shape	Item code	Dimensions,mm					備　註	Weight 100pcs(kg)
		Ic	S	B	d1	d2		
	**SSS490N**	11.0	3.0	11.0	5.2	7.0		0.48
	**TMS322**	9.1	3.2	12.9	5.8	6.6		0.46
	TMS432	12.5	4.8	17.9	7.3	8.1		1.24
	TPS322	9.3	2.7	13.2	5.0	8.0		0.42
	TWS322	8.6	3.2	12.3	5.2	6.3		0.44
	TWS332	8.9	4.8	12.4	5.2	6.3		0.64
	**VMS322**	9.2	3.2	9.2	5.9	6.7		0.74
	VSS322	8.4	3.2	8.6	5.4	6.7		0.54
	**WMS432**	12.4	4.8	15.4	7.5	8.2		0.84

螺絲，壓板…等配件屬於消耗品，建議依據使用情況，適時更換。
It is recommended to replace the consumable parts (screw, clamp…etc.) at the proper time according to the situation.

Anti-seizure Lubricant	Item code	Dimensions,mm		容量(g) Capacity	備　註	Weight 10pcs(kg)
		B	L			
	P-1200	23	60	3		0.04

Wrench Shape	Item code	Dimensions,mm					備　註	Weight 100pcs(kg)
		A	B	C	D	E		
	**PL15**	--	53	13.5	--	P1.5	六角型板手	0.10
	PL20	--	60	15	--	P2.0		0.32

我們將繼續供應這些零件，直到庫存耗盡。
We will continue to supply these parts until stock exhaustion.

塗層材種 Coated Carbide

ISO分類	山特維克 SANDVIK	三菱 MITSUBISHI	住友 SUMITOMO	東芝泰珂洛 TUNGALOY	黛杰 DIJET	日立 HITACHI	京瓷 KYOCERA
P01	GC4005 GC4015	UE6005	AC700G	T9005, T7005 TD905	JC110V	GM10 HC5000	CR7015 PR915
P10	GC4005,GC4015 GC1025, J048	UE6005, UE6010 UE6020, UC6010	AC700G AC2000	T9015, TD905 TD915, T715X T9015, T9025	JC110V, JC215V JC5030	GM10, GM20 GM8015	CR7015, PR730 PR830, PR915 PR930
P20	GC4025, LC25 GC4020,GC4030	UE6010, UE6020 UC6010, VP15TF VP20MF, UP20M	AC2000	TD915, TD920 T7020, T325 T9025, T9035	JC110V, JC215V JC5030, JC5015	GM8020, GM20 GM25, CY150	CA5025, CR9025 PR730, PR830 PR930
P30	GC4025,GC4030 GC4035,GC4040	UE6035, US735 VP15TF, VP20MF UP20M, F7030	AC3000, AC230 ACZ330, ACZ350	TD930, T725X T325, AH330 AH120, AH740 GH330 T9035, TD930	JC215V JC325V JC5030 JC5015	GM8035 CY250 HC844	CA5025 CR9025 PR660
P40	GC1020, GCI120 GC235, GC2040	UE6035 US735	AC3000 AC304	AH120	JC325V JC450V	GX30, CY250 HC844	
M10	GC2015, GC1025, J048	UE6010 US7020	EH10Z EH510Z	TD915 T715X	JC110V	GM10 GM8015	CA6015, PR730 PR830, PR915
M20	GC2015,GC2025 GC2030	US7020, UE6020 VP15TF, VP20MF UP20M	EH20Z EH520Z	T6020 T725X GH330	JC215V, JC1341 JC5015, JC5030	GM8020 GM20 GM25	CA6015, PR660 PR730, PR830 PR930
M30	GC1020, GCI120 GC2025, GC2035 GC2040	UE6035, US735 VP15TF, VP20MF UP20M, VP30RT	AC304 ACZ350	T6030 T325 AH120	JC215V, JC325V JC5015, JC5030	GF30 CY250 GX30	PR660
M40		US735, VP30RT	AC3000	AH140	JC325V, JC450V		
K01	GC3205 GC3210	UC5005 UC5015	AC300G	T5010 AH110	JC105V JC605	GM3005	CA4010 PR510
K10	GC3205,GC3210 GC3215	UC5015, UE6010 F5010	AC700G, AC2000 EH10Z, AC211	T5010, T5020 T1015, T1020 AH110, GH110	JC105V, JC110V JC605, JC610	GM3005, GM8015 CY100H, CY10H	CA4010 PR510 PR610
K20	GC3215, GC1020 GC1120, GC3020	UC6010, VP15TF F5020	AC700G AC2000	T5020	JC110V, JC215V JC610, JC5015	GM8015 GF30	CA4010 PR610
K30	K20W, GC3040	VP15TF, F5020	ACZ310	AH120	JC215V, JC610		

超微粒子硬質合金材種 Cemented Carbide

ISO分類	山特維克 SANDVIK	三菱 MITSUBISHI	住友 SUMITOMO	東芝泰珂洛 TUNGALOY	黛杰 DIJET	日立 HITACHI	京瓷 KYOCERA
P01					SRN		
P10	SIP	UTi20T	ST10P	TX10S	SR10, SRT	WS10	
P20	SMA	UTi20T	ST20E	TX20 TX25	SRT, SR20 DX30	EX35 EX35	
P30	SM30		A30N ST30E	TX30 UX30	SR30, DX30 DX35	EX40 EX45	PW30
P40	S6		ST40E	TX40	SR30, DX35		
M10	H10A		U10E	TU10	UMN, UM10	WA10B	
M20	H13A	UTi20T	U2	TU20	DX25, UMS UM20	EX35	
M30	H10F	UTi20T	A30N A30	UX30	DX25, UM30 UMS	EX40 EX45	
M40			A40	TU40	UM40	EX45, WA40	
K01	HIP	HTi05T, RT9005	H1	TH03	KG03	WH05	
K10	HIP, H10 HM	HTil0 RT9010	EH10 EH510	G1F, TH10 H10T	KG 10, KT9 CR1	WH10	KWI0
K20	H13A	HTi20T RT9010	G10E, EH20 EH520	G1F, G2 KS20	KT9, CR1 KG20	WH20	
K30			G3	G3	KG30, LF12		

金屬陶瓷材種 Coated Cermet

ISO分類	山特維克 SANDVIK	三菱 MITSUBISHI	住友 SUMITOMO	東芝泰珂洛 TUNGALOY	黛杰 DIJET	日立 HITACHI	京瓷 KYOCERA	日本特殊陶業 NTK
P01	(CT5005) CT5015	AP25N AP25N	T110A	NS520 AT520	LN10 CX50	CH350	TN30 PV30	T3N T15, Z15, Q15
P10	CT5015	NX2525 AP25N, NX2525	T1200A	NS520, AT520 AT530	LN10, CX50 NIT, CX75	CH350 CZ25	TN6020, TN60 PV60, PV7020	C30, N20 N40. C50
P20	GC1525	UP35N, NX335	T2000A T130A, T250A	NS530, AT530 GT530	CX50, NAT CX75, CX90	CH550. CZ1025 CH7030, CH570	TN6020, TN90 TN100M, PV90 PV7020	Z50, Q50
P30 P40	CT530	VP45N, NX4545	T130A, T3000Z	NS530, NS540	CX90, SUZ			
M10	CT525	AP25N NX2525	T110A	NS520, AT520 AT530, GT530	LN10	CH350	TN6020, TN60 PV60, PVT020	
M20	GC1525	AP25N NX2525	T1200A	NS530 N308	CX50, NIT CX75, NAT	CH550, CZ1025 CH7030, CH570	TN6020, TN90 TN100M, PV90 PV7020	
M30	CT530	NX4545	T1200A	NS540	CX75, CX90 SUZ		TN90, TN100M PV90	
M40							TC60M	
K01	CT515 (CT5005)	AP25N NX2525	T110A	NS520, AT520 AT530, GT530	LN10		TN30 PV30	T3N
K10		AP25N NX2525	T1200A	NS520, AT520 AT530, GT530	LN10	CH350	TN6020, TN60 PV60, PV7020	T3N, T15 Z15, Q15
K20		AP25N, NX2525			NIT			
K30								

陶瓷材種 Cermet

ISO分類	山特維克 SANDVIK	三菱 MITSUBISHI	住友 SUMITOMO	東芝泰珂洛 TUNGALOY	黛杰 DIJET	京瓷 KYOCERA	肯納 KENNAMETAL	日本特殊陶業 NTK
P01	C0650		NB90S NB100C	LX11	CA010 CA100	SN60 A66N	KW80, MC2 AC5	HC1,HW2, HC4 ZC4, HC5
P10	C0670		WX120	WG300			KBg0, KB90X KY4000	WA1
P20								
P30								
P40								
M10	CC6080 CC670		WX120 NS260C	WG300	CA100, CA200 CS100	A66N KS500	MC3 KY21 O0	WA1
M20	CC670		NS260C. NS260	WG300		KS500. KS7000	KY2000, KY1540	
M30							KY3000	
M40								
K01	CC620 CC650		NB90S, NB90M WX120	LX11 LX21	CA100 CA200	KA30 SN60	KW80, MC2 AC5	HC1, HC2 HC5, HC6
K10	CC6090 GC1690		WX120, NS260C NS260	WG300 FX105	CA200 CS100	A66N KS500	KB90, KB90X KY3000	WA1, SXI SX2, SP2
K20	CC6090		NS260C NS260	FXI05		KS500 KS6000	KY3400 KY3500	SX8, SX2 SP2. SX1
K30								

本表是各公司樣本，公開發表資料的基礎上編制的，沒有得到各公司的認可·
This data was collected according to various published catalogues, it might be updated anytime.

推薦切削條件
RECOMMENDED CUTTING CONDITIONS

■開槽刀系列 Grooving

外徑切槽刀 External Parting Toolholders	P.355-358
端面開槽刀 Face Grooving Toolholders	P.359-360
內徑開槽刀 Internal Grooving Toolholders	P.360-361
切斷刀板 Parting Blade	P.361-362
外徑切槽刀 External Grooving Toolholders	P.362-363
CNC 走心自動車床刀具 Turning Tools For Automatic Lathes	P.364-365

■銑刀系列 Milling

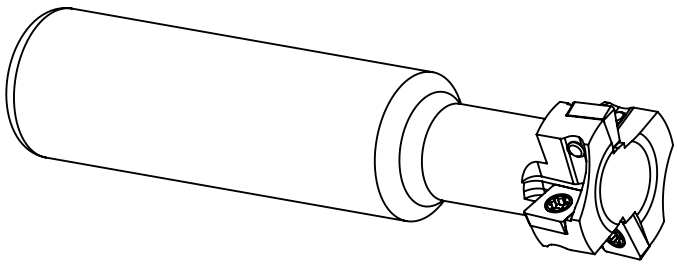
銑牙刀 Mill Thread Toolholders	P.366
面銑刀 Face Milling Cutters	P.366-367
直角端銑刀 Shoulder/cutting End Mills	P.367-372
鑽銑刀 Boring & Milling Cutters	P.373-374
高進給銑刀 High Feed Mills	P.375-377
圓刃銑刀 Corner Rounding End Mills	P.377-378
球型精銑刀 Ball Precision Cutters	P.378-379
R 角精銑刀 Radius Precision Cutters	P.379
T 型銑刀 T-groove Milling Cutters	P.380
鳩尾刀 Dovetail Cutters	P.380
倒角刀 Chamfer Mills	P.380-381

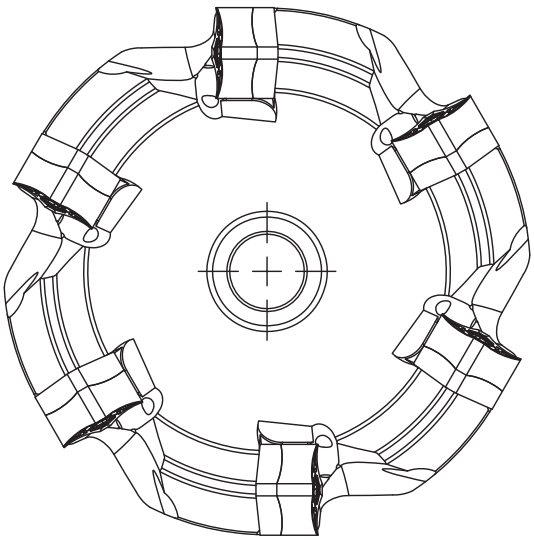
■孔加工 Hole processing

替換式快速鑽頭 Indexable Inserts High Speed Drills	P.381
固定式粗搪刀 Fixed Rough Boring Bars	P.382
可調式粗搪刀 Adjustable Rough Boring Bars	P.382
小徑糖刀 Boring Shank	P.382-383
卡式刀座 Cartridges	P.383-384

★ 此數據為建議值，適當的切削條件需依據實際機台情況和工件的形狀、材質做調整。
★ 在適當的時間更換刀片，以確保刀體的安全。
★ 發生顫動時，請調整切入深度，或者降低進給速度使用。

★The data is a recommended value. In actual machining, please adapt the appropriate cutting parameters according to the machine situation and the work material.
★Change the insert at a suitable time to ensure the safety of the tool body.
★In case of vibration, recommend to reduce the depth of cut or feed speed.

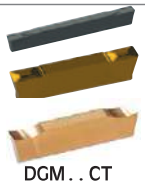




WMTC

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					1.5、2	2.5	3
WMTC	P	一般鋼 Mild Steel	WU25PT	140-180	0.5	0.5-1.6	0.5-4.0
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	WU25PT	120-160			
	M	不鏽鋼 Stainless	WU25PT	70-130			
	K	鑄鐵 Cast Iron	WU25PT	140-210			
	N	非鐵金屬 Non-Ferrous Metal	WU25PT	79-130			

DGH/DGI

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed		(1)外徑開槽 (mm/rev) (2)內徑開槽 (mm/rev)		
				DGH	DGI	3	4	5
 DGM..CT DGJ..CTM DGM..CE DGJ..CEM	P	一般鋼 Mild Steel	GT25、GV65	120-200	100-150	(1) ~0.2 (2)0.05-0.1	(1) ~0.2 (2)0.08-0.15	(1) ~0.25 (2)0.10-0.20
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	GV65	100-150	80-120	(1) ~0.15 (2)0.05-0.1	(1) ~0.15 (2)0.08-0.15	(1)0.15-0.20 (2)0.10-0.15
	M	不鏽鋼 Stainless	GT25、GV65	100-140	60-100	(1) ~0.15 (2)0.05-0.1	(1) ~0.15 (2)0.08-0.15	(1) ~0.2 (2)0.10-0.15
	K	鑄鐵 Cast Iron	GT25、MN925	100-140	60-100	(1) ~0.2 (2)0.05-0.1	(1) ~0.2 (2)0.08-0.15	(1) ~0.25 (2)0.10-0.20
	N	非鐵金屬 Non-Ferrous Metal						

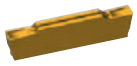
GYM

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					2、3	4	5
GY2M	P	一般鋼 Mild Steel	NW950、NY942	90-230	0.03-0.2	0.07-0.2	0.07-0.28
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW950、NY942	55-190			
	M	不鏽鋼 Stainless	NW950	60-150			
	K	鑄鐵 Cast Iron	NW950	60-190			
	N	非鐵金屬 Non-Ferrous Metal					

GNDL / GNDM

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					2、3	4、5	6
GCMN	P	一般鋼 Mild Steel	AC830P、AC530U	80-200	0.02-0.3	0.05-0.4	0.05-0.45
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	AC530U、AC830P	50-200			
	M	不鏽鋼 Stainless	AC530U	50-150			
	K	鑄鐵 Cast Iron	AC425K、AC530U	50-200			
	N	非鐵金屬 Non-Ferrous Metal	H10	150-300			

MGEH

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					1.5、2	2.5、3	4
 MGMN	P	一般鋼 Mild Steel	NC3030、PC5300	80-180	0.03-0.15	0.05-0.2	0.05-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NC3030、PC5300	70-180	0.03-0.07	0.05-0.08	0.05-0.1
	M	不鏽鋼 Stainless	PC5300	60-130	0.04-0.08	0.05-0.08	0.05-0.1
	K	鑄鐵 Cast Iron	PC5300	60-140	0.02-0.10	0.03-0.15	0.08-0.25
	N	非鐵金屬 Non-Ferrous Metal	H01	200-800		0.05-0.15	0.08-0.15

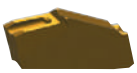
KGD

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					2(PH高進給) High feed	2.4	3、4
GDM	P	一般鋼 Mild Steel	PR1215、PR1225	80-200	0.1-0.25	0.04-0.14	0.04-0.2
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR1215、PR1225	70-180			
	M	不鏽鋼 Stainless	PR1215、PR1225	60-150			
	K	鑄鐵 Cast Iron	PR1215	100-200			
	N	非鐵金屬 Non-Ferrous Metal	GW15	100-500			

KGM

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					2、3	4、5	6
GMM	P	一般鋼 Mild Steel	PR930、PR915	80-200	0.05-0.15	0.1-0.35	0.20-0.35
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR930、PR1225	70-180	0.05-0.15	0.1-0.35	0.20-0.35
	M	不鏽鋼 Stainless	PR1215、PR1225	60-150	0.05-0.15	0.1-0.35	0.20-0.35
	K	鑄鐵 Cast Iron	PR905、KW10	70-150	0.05-0.2	0.1-0.4	0.20-0.4
	N	非鐵金屬 Non-Ferrous Metal	KW10	200-500	0.05-0.2	0.08-0.25	0.12-0.3

KTKH

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					2.2、2.4	3.1	4.1
 TKN	P	一般鋼 Mild Steel	CR9025	80-180	0.04-0.18	0.05-0.25	0.08-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	CR9025	70-150	0.04-0.18	0.05-0.25	0.08-0.3
	M	不鏽鋼 Stainless	CR9025、PR660	60-140	0.04-0.12	0.05-0.18	0.08-0.25
	K	鑄鐵 Cast Iron	KW10	50-100	0.05-0.12	0.1-0.25	0.1-0.3
	N	非鐵金屬 Non-Ferrous Metal	KW10	100-450	0.05-0.1	0.05-0.2	0.05-0.25

LGD

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					2、3(15R)	2	3
LGMN.. LGMR..	P	一般鋼 Mild Steel	EW973、EW771	40-250	0.03-0.12	0.04-0.12	0.04-0.16
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	EW973、EW771	30-170			
	M	不鏽鋼 Stainless	EW973、EW771	60-170			
	K	鑄鐵 Cast Iron	EM371	45-100			
	N	非鐵金屬 Non-Ferrous Metal					

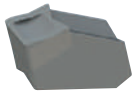
DGT

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					2.0	2.2	3.1
DGN	P	一般鋼 Mild Steel	IC354、TN6025	70-170	0.04-0.16	0.03-0.12	0.04-0.25
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	IC354、TN6025	65-145			
	M	不鏽鋼 Stainless	IC354、TN6025	85-160			
	K	鑄鐵 Cast Iron	IC20	50-130			
	N	非鐵金屬 Non-Ferrous Metal	IC20	35-900			

GHD/GHG

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					3	4	5
GIP GIF GIMF GIMY	P	一般鋼 Mild Steel	IC808、IC830	70-160	0.07-0.14	0.09-0.2	0.11-0.23
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	IC808、IC830	60-140			
	M	不鏽鋼 Stainless	IC808、IC830	90-200			
	K	鑄鐵 Cast Iron	IC808、IC20	90-200			
	N	非鐵金屬 Non-Ferrous Metal	IC20	50-1200			

GFNR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate	
					2.2、2.4	3.0
 GF□	P	一般鋼 Mild Steel	IC354、GT25、GA45	50-170	0.04-018	0.08-0.25
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	IC354、GA45	50-140		
	M	不鏽鋼 Stainless	IC354、GT25、GA45	60-150		
	K	鑄鐵 Cast Iron	GT25、GA45	45-100		
	N	非鐵金屬 Non-Ferrous Metal	IC20	100-2500		

TGDR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate	
					3	4
TGMF	P	一般鋼 Mild Steel	IC908	90-200	0.07-0.12	0.09-0.15
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	IC908	80-180		
	M	不鏽鋼 Stainless	IC908	90-170		
	K	鑄鐵 Cast Iron				
	N	非鐵金屬 Non-Ferrous Metal	IC20	50-1200		

A3SC/A3SM

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate	
					N-CF	R/L-CF
A2022 A2030	P	一般鋼 Mild Steel	KC5025	265-560	0.05-0.15	0.04-0.08
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	KC5025	265-560		
	M	不鏽鋼 Stainless	KC5025	265-500		
	K	鑄鐵 Cast Iron	KC5025	230-500		
	N	非鐵金屬 Non-Ferrous Metal	KC5025	500-980		

TNP

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					2.0-3.0	4.0	5.0
TN	P	一般鋼 Mild Steel	5820、QW723	150-300	0.05-0.22	0.07-0.27	0.07-0.32
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	5820、QW723	100-200			
	M	不鏽鋼 Stainless	2135、QW723	80-200			
	K	鑄鐵 Cast Iron	5820	60-200			
	N	非鐵金屬 Non-Ferrous Metal					

R/LF151.23 / NF151.2

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					2	2.5	3
N151.2	P	一般鋼 Mild Steel	1125	75-295	0.03-0.05	0.06-0.08	0.08-0.11
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	1125	40-205			
	M	不鏽鋼 Stainless	1125	65-215			
	K	鑄鐵 Cast Iron	1125	55-255			
	N	非鐵金屬 Non-Ferrous Metal					

推薦切削條件
RECOMMENDED CUTTING CONDITIONS

KGDF/KFDI

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate 2、3	4	5
GDFM	P	一般鋼 Mild Steel	PR1215、PR1225、TN620	60-200	GM[切槽] 0.02-0.1	GM[切槽] 0.02-0.15	GM[切槽] 0.02-0.20
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR1215、PR1225、TN620	60-160			
	M	不鏽鋼 Stainless	PR1215、PR1225	50-120	CM[仿形] 0.05-0.14	CM[仿形] 0.05-0.14	CM[仿形] 0.08-0.17
	K	鑄鐵 Cast Iron	PR1215	80-160			
	N	非鐵金屬 Non-Ferrous Metal					

DGF

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate 3	4	5
DGM .. CTF	P	一般鋼 Mild Steel	GT25、GV65	95-160	0.16	0.16	0.2
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	GV65	80-120	0.12	0.12	0.12-0.16
	M	不鏽鋼 Stainless	GT25、GV65	80-110	0.12	0.12	0.16
	K	鑄鐵 Cast Iron	GT25、GV65	80-110	0.16	0.16	0.2
	N	非鐵金屬 Non-Ferrous Metal					

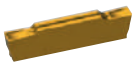
HFAV/HFHG

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate 3	4
HFPR	P	一般鋼 Mild Steel	IC354、IC908	60-145	0.08-0.2	0.1-0.24
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	IC354、IC908	55-145		
	M	不鏽鋼 Stainless	IC908	65-125		
	K	鑄鐵 Cast Iron	IC20	45-120		
	N	非鐵金屬 Non-Ferrous Metal	IC20	35-900		

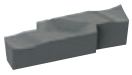
STCP

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate
TP..	P	一般鋼 Mild Steel	NW948	100-150	0.08-0.3
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	100-150	0.08-0.3
	M	不鏽鋼 Stainless	NW948	100-150	0.08-0.3
	K	鑄鐵 Cast Iron	NW948	100-150	
	N	非鐵金屬 Non-Ferrous Metal			

MGFHR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					4		
 MGFH	P	一般鋼 Mild Steel	NC3030、PC5300	50-160	0.05-0.12		
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NC3030、PC5300	50-130	0.05-0.12		
	M	不鏽鋼 Stainless	PC5300	120-150	0.05-0.12		
	K	鑄鐵 Cast Iron	PC5300	60-150	0.05-0.12		
	N	非鐵金屬 Non-Ferrous Metal	H01	200-800	0.08-015		

GIVF

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					200A-340A	250B-350B	400B-490B
 GVFR..A GVFR..B	P	一般鋼 Mild Steel	TC40、TC60	100-220	0.03-0.08	0.04-0.09	0.05-0.1
	P	碳鋼・合金鋼 Carbon Steel / Allo ySteel	TC40、TC60	80-200	0.03-0.07	0.04-0.08	0.05-0.09
	M	不鏽鋼 Stainless	TC60	60-100	0.03-0.07	0.04-0.08	0.05-0.09
	K	鑄鐵 Cast Iron	KW10	60-100	0.03-0.08	0.04-0.09	0.05-0.1
	N	非鐵金屬 Non-Ferrous Metal	KW10	150-400	0.05-0.12	0.05-0.15	0.05-0.15

FSL51

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					1.2、1.5	2、3	4
MLG MLT	P	一般鋼 Mild Steel	NW734、NM936	100-180	0.02-0.08	0.02-0.08	0.02-0.08
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW734、NM936	70-150	0.03-0.04	0.02-0.04	0.02-0.04
	M	不鏽鋼 Stainless	NW734、NM936	70-150			
	K	鑄鐵 Cast Iron	NW734、NM936	60-100			
	N	非鐵金屬 Non-Ferrous Metal					

KIGE

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					(1)100A-200A (2)100B-300B	100C-350C 100D-195D	(1)200D-280D (2)300D-400D
GER..A GER..B GER..C GER..D	P	一般鋼 Mild Steel	PR1025、TN6020	50-180	(1)0.01-0.03 (2)0.02-0.04	0.03-0.08	(1)0.04-0.09 (2)0.05-0.12
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR1025、TN6020	50-160	(1)0.01-0.03 (2)0.02-0.04	0.03-0.07	(1)0.04-0.08 (2)0.05-0.10
	M	不鏽鋼 Stainless	PR1025、TN6020	50-130	(1)0.01-0.03 (2)0.01-0.03	0.03-0.07	(1)0.04-0.08 (2)0.05-0.10
	K	鑄鐵 Cast Iron	KW10、GW15	50-100	(1)0.01-0.03 (2)0.02-0.04	0.03-0.08	(1)0.04-0.09 (2)0.05-0.12
	N	非鐵金屬 Non-Ferrous Metal	KW10、GW15	50-300	(1)0.01-0.03 (2)0.02-0.04	0.05-0.12	(1)0.05-0.15 (2)0.08-0.15

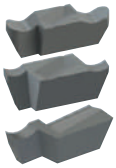
KIGM

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate	
					3	4
GDM GMM..V	P	一般鋼 Mild Steel	PR930、PR1215	100-200	0.05-0.16	0.08-0.18
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR930、PR1215	80-180		
	M	不鏽鋼 Stainless	PR930、PR1215	60-150		
	K	鑄鐵 Cast Iron	KW10、PR1215	100-200		
	N	非鐵金屬 Non-Ferrous Metal	KW10	100-500		

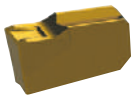
GYIR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					20柄	25柄	32柄
GY2M	P	一般鋼 Mild Steel	NW950、NY942	70-180	0.03-0.13	0.04-0.14	0.05-0.16
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW950、NY942	45-140			
	M	不鏽鋼 Stainless	NW950	50-120			
	K	鑄鐵 Cast Iron	NW950	50-140			
	N	非鐵金屬 Non-Ferrous Metal					

GIVR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					100-300SS/S 100-340A/145-185B	200-280B 280-300C	300-400B 340-500C
 GVR..SS GVR..S GVR..B GVR..A GVR..C	P	一般鋼 Mild Steel	PR930、TC40、TC60	80-180	0.03-0.08	0.04-0.09	0.05-0.12
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR930、TC40、TC60	80-160	0.03-0.07	0.04-0.08	0.05-0.10
	M	不鏽鋼 Stainless	PR930、TC60	60-110	0.03-0.07	0.04-0.08	0.05-0.10
	K	鑄鐵 Cast Iron	KW10	60-100	0.03-0.08	0.04-0.09	0.05-0.12
	N	非鐵金屬 Non-Ferrous Metal	KW10	150-300	0.03-0.08	0.05-0.15	0.08-0.15

STFH

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate	
					3	
 WCF □	P	一般鋼 Mild Steel	AC830P	80-230	0.08-0.25	
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	AC830P	60-150		
	M	不鏽鋼 Stainless	AC830P	70-150		
	K	鑄鐵 Cast Iron	G10E	50-120		
	N	非鐵金屬 Non-Ferrous Metal	G10E	200-500		

KTKB

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate	
					3.1	4.1
TK□	P	一般鋼 Mild Steel	PR660/PR930	60-200	0.05-0.25	0.08-0.30
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR660/PR930、TN90	60-160	0.05-0.25	0.08-0.30
	M	不鏽鋼 Stainless	PR660/PR930	60-150	0.05-0.18	0.08-0.25
	K	鑄鐵 Cast Iron	KW10	50-100	0.10-0.25	0.10-0.30
	N	非鐵金屬 Non-Ferrous Metal	KW10	100-450	0.05-0.20	0.05-0.25

SGFH / SGIH

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					2.2、2.4	3.1	4.1
GF□ GT□	P	一般鋼 Mild Steel	GT25、IC354 TN6025	100-220	0.04-0.19	0.08-0.25	0.08-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	GT25、IC354 TN6025	80-200			
	M	不鏽鋼 Stainless	GT25、IC354	60-100			
	K	鑄鐵 Cast Iron	GT25、IC20	60-100			
	N	非鐵金屬 Non-Ferrous Metal	IC20	150-400			

XLCFN

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate			
					3.1-M1	4.1-M1	3.1-27P	4.1-27P
FX	P	一般鋼 Mild Steel	CTCP335、CTPP345	70-200	0.1-0.2	0.1-0.25	0.05-0.25	0.05-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	CTCP335、CTPP345	60-200				
	M	不鏽鋼 Stainless	CTCP335、CTPP345	60-170				
	K	鑄鐵 Cast Iron	CTCP335、H216T	70-200				
	N	非鐵金屬 Non-Ferrous Metal	H216T	60-800				

GTBH

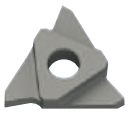
Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate
GTBT GTCT	P	一般鋼 Mild Steel	NW948	50-150	0.01-0.09
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	30-180	0.01-0.09
	M	不鏽鋼 Stainless	NW948	50-120	0.02-0.05
	K	鑄鐵 Cast Iron			
	N	非鐵金屬 Non-Ferrous Metal	NW948	50-100	0.03-0.11

推薦切削條件
RECOMMENDED CUTTING CONDITIONS

SGH / SGH2 / SGSL

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate
SMGTR SMGTR..C SMTTR	P	一般鋼 Mild Steel	NY942、NM936	100-160	0.03-0.10
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NY942、NM936	80-120	0.03-0.10
	M	不鏽鋼 Stainless	NM936	100-160	0.05-0.15
	K	鑄鐵 Cast Iron	NM304、NM936	80-120	0.05-0.15
	N	非鐵金屬 Non-Ferrous Metal	NM304	200-400	0.03-0.15

WGH / WG1

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate
 MGTR/L	P	一般鋼 Mild Steel	GT25、NY942	100-160	0.03-0.2
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	GT25、NY942	100-140	0.03-0.25
	M	不鏽鋼 Stainless	GT25	100-140	0.03-0.18
	K	鑄鐵 Cast Iron	GT25	100-140	0.03-0.18
	N	非鐵金屬 Non-Ferrous Metal			

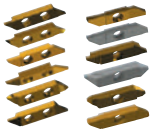
KTGF / KTGF_F / KTGFS / KTGFL

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					0.33-0.50	0.75-0.95	1.0-2.5
TGF32R/L	P	一般鋼 Mild Steel	PR930	80-180	0.01-0.05	0.02-0.07	0.03-0.08
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR930	80-160	0.01-0.04	0.02-0.06	0.03-0.07
	M	不鏽鋼 Stainless	PR930	60-130	0.01-0.04	0.02-0.06	0.03-0.07
	K	鑄鐵 Cast Iron	KW10	60-100	0.01-0.05	0.02-0.07	0.03-0.08
	N	非鐵金屬 Non-Ferrous Metal	KW10	150-400	0.01-0.05	0.02-0.06	0.03-0.08

KGBF

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					0.25-0.53	0.65-0.95	1.0-3.0
GBF32R	P	一般鋼 Mild Steel	PR1215	80-180	0.01-0.05	0.02-0.07	0.03-0.08
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR1215	80-180	0.01-0.04	0.02-0.06	0.03-0.07
	M	不鏽鋼 Stainless	PR1215	60-130	0.01-0.04	0.02-0.06	0.03-0.07
	K	鑄鐵 Cast Iron	GW15	60-100	0.01-0.05	0.02-0.07	0.03-0.08
	N	非鐵金屬 Non-Ferrous Metal	GW15	150-400	0.01-0.05	0.02-0.07	0.03-0.08

SAKG/SDKG

Insert Shape		被切削材 Workpiece Material		刀片材質 Insert Grade	車削加工 Turning		切斷加工 Parting off	
					Vc(m/min)	f(mm/rev)	Vc(m/min)	f(mm/rev)
 AKBR DKCR/L AKCR DKPR/L AKPR DKBR/L AKGR DKGR/L AKTR DKTR/L AKRR DKRR/L	P	快削鋼 Free-Cutting Steel		GT28、GN35、GA48	120-200	0.01-0.20	80-150	0.01-0.15
		鋼 Steel	<800N/mm²	GT28、GN35、GA48	60-160	0.01-0.18	60-120	0.01-0.12
		鋼 Steel	>600N/mm²	GT28、GN35、GA48	50-100	0.01-0.12	40-80	0.01-0.08
	M	不鏽鋼 Stainless		GT28、GN35、GA48	60-120	0.01-0.15	60-100	0.01-0.08
	N	非鐵金屬 Non-Ferrous Metal		GX06、GX08	100-800	0.01-0.30	100-300	0.01-0.20

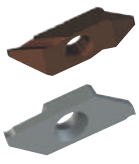
BTAH

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate
BTAT	P	一般鋼 Mild Steel	NW948	50-150	0.01-0.15
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	30-180	0.01-0.15
	M	不鏽鋼 Stainless	NW948	50-120	0.02-0.10
	K	鑄鐵 Cast Iron			
	N	非鐵金屬 Non-Ferrous Metal			

CTAH

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate
CTAT	P	一般鋼 Mild Steel	NW948	50-150	0.02-0.09
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	30-180	0.01-0.09
	M	不鏽鋼 Stainless	NW948	50-120	0.02-0.05
	K	鑄鐵 Cast Iron			
	N	非鐵金屬 Non-Ferrous Metal			

CTBH

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate
 BTBT CTBT	P	一般鋼 Mild Steel	NW948	50-150	0.02-0.09
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	30-180	0.01-0.09
	M	不鏽鋼 Stainless	NW948	50-120	0.02-0.05
	K	鑄鐵 Cast Iron			
	N	非鐵金屬 Non-Ferrous Metal			

推薦切削條件
RECOMMENDED CUTTING CONDITIONS

KTKF

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					TKF12 0.5-0.7	TKF12 1.0-2.0	TKF16 1.5-2.0
TKF	P	一般鋼 Mild Steel	PR1025	60-130	0.01-0.03	0.01-0.04	0.02-0.07
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR1025	60-130	0.01-0.03	0.01-0.04	0.02-0.07
	M	不鏽鋼 Stainless	PR1025	50-100	0.005-0.02	0.01-0.02	0.01-0.04
	K	鑄鐵 Cast Iron	KW10	50-100	0.01-0.04	0.01-0.05	0.02-0.08
	N	非鐵金屬 Non-Ferrous Metal	KW10	200-450	0.01-0.04	0.01-0.05	0.02-0.08

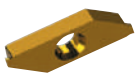
SABS / SABW

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate
ABS ABW	P	一般鋼 Mild Steel	PR930、TC60	80-100	0.02
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR930、TC60	80-100	0.02
	M	不鏽鋼 Stainless	PR930	30-50	0.02
	K	鑄鐵 Cast Iron			
	N	非鐵金屬 Non-Ferrous Metal	KW10	100-200	0.02-0.03

JSEGR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate
J10ER..B	P	一般鋼 Mild Steel	NS9530、TH10	50-200	0.01-0.1
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	J740	10-100	0.01-0.1
	M	不鏽鋼 Stainless	NS9530、TH10	50-150	0.01-0.1
	K	鑄鐵 Cast Iron			
	N	非鐵金屬 Non-Ferrous Metal	TH10	10-200	0.01-0.1

SMALR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate
 MAGR3	P	一般鋼 Mild Steel	1025	60-235	0.05-0.5
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	1025	30-170	0.05-0.5
	M	不鏽鋼 Stainless	1025	50-175	0.05-0.5
	K	鑄鐵 Cast Iron	H13A	30-200	0.05-0.5
	N	非鐵金屬 Non-Ferrous Metal	H13A	30-1900	0.05-0.8

MTSR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
..I/E	P	一般鋼 Mild Steel	MT7	130-280	0.05-015
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	MT7	105-180	0.05-015
	M	不鏽鋼 Stainless	MT7	130-190	0.05-015
	K	鑄鐵 Cast Iron	MT7	70-80	0.05-015
	N	非鐵金屬 Non-Ferrous Metal	MT7	115-460	0.05-015

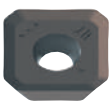
NFK

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
OD..0605	P	一般鋼 Mild Steel	BCP25M、WKP35	110-300	0.15-0.45
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	M8340	70-160	0.15-0.18
	M	不鏽鋼 Stainless	BCP25M	100-150	0.15-0.30
	K	鑄鐵 Cast Iron	WKP35、M8340	130-330	0.15-0.40
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel			

TFM

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
OFMT05T3	P	一般鋼 Mild Steel	TT8020、GW762、LW731	195-425	0.14-0.28
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	TT8020、GW762、LW731	130-315	0.10-0.26
	M	不鏽鋼 Stainless	TT8020、GW762、LW731	90-330	0.095-0.24
	K	鑄鐵 Cast Iron	GW762、K10	90-325	0.15-0.28
	N	非鐵金屬 Non-Ferrous Metal	GW762、K10	410-2400	0.11-0.18

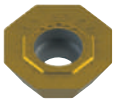
ASX445

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate 輕切削-準重切削 Light-Rough Cutting	每刃進給 fz(mm/t) Feed Rate 中切削-重切削 Medium-Heavy Cutting
 SE..13T3 R245-12T3	P	一般鋼 Mild Steel	NW948、ACP200	130-350	0.1-0.3	0.2-0.4
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、ACP200	80-300	0.1-0.3	0.2-0.4
	M	不鏽鋼 Stainless	NW948	120-270	0.1-0.3	0.2-0.4
	K	鑄鐵 Cast Iron	NW948	80-250	0.1-0.3	0.2-0.4
	N	非鐵金屬 Non-Ferrous Metal	NM304、H1	300-1000	0.1-0.3	0.2-0.4
	H	高硬度材 Hardened steel	NW948	60-100	0.1-0.2	0.1-0.3

SNF

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
SN..1205	P	一般鋼 Mild Steel	UW913、JW965	120-240	0.1-0.4
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	UW913、JW965	120-240	0.1-0.4
	M	不鏽鋼 Stainless	UW913、JW965	75-165	0.08-0.25
	K	鑄鐵 Cast Iron	UW913、JW965、UV361	120-215	0.1-0.4
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel			

MOF

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
 OFMT0504 OFMT0704	P	一般鋼 Mild Steel	PR830、PR1225	120-250	0.10-0.30
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR830、PR1225	80-220	0.08-0.25
	M	不鏽鋼 Stainless	PR830、PR1225	120-220	0.08-0.25
	K	鑄鐵 Cast Iron	PR1210	100-250	0.08-0.30
	N	非鐵金屬 Non-Ferrous Metal			

EPN09

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
PNMU09	P	一般鋼 Mild Steel	AH3135、AH120	100-250	0.10-0.40
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	AH3135、AH120	100-200	0.10-0.30
	M	不鏽鋼 Stainless	AH3135	100-220	0.10-0.30
	K	鑄鐵 Cast Iron	AH120	80-250	0.10-0.40
	N	非鐵金屬 Non-Ferrous Metal	TH10	150-1500	0.10-0.50

ASX400

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate	
					輕切削-準重切削 Light-Rough Cutting	中切削-重切削 Medium-Heavy Cutting
SO..12T3	P	一般鋼 Mild Steel	NW948	200-300	0.1-0.3	0.1-0.35
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	100-270	0.1-0.28	0.1-0.3
	M	不鏽鋼 Stainless	NW948	170-270	0.1-0.28	0.1-0.3
	K	鑄鐵 Cast Iron	NW948	130-230	0.1-0.3	0.1-0.35
	N	非鐵金屬 Non-Ferrous Metal	NM304	300-1000	0.1-0.3	0.2-0.4
	H	高硬度材 Hardened steel	NW948	60-100	0.05-0.15	0.07-0.17

APM

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
AOMT1236 AOMT1848	P	一般鋼 Mild Steel	NW948、NW950	110-270	0.10-0.25
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、NW950	80-210	0.07-0.15
	M	不鏽鋼 Stainless	NW948、NW950	110-210	0.07-0.20
	K	鑄鐵 Cast Iron	NW948	80-300	0.07-0.25
	N	非鐵金屬 Non-Ferrous Metal	NM413	200-1000	0.10-0.25

BAP

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
APMT1135 APMT1604	P	一般鋼 Mild Steel	MW948	150-200	0.1-0.2
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	MW948	120-200	0.1-0.2
	M	不鏽鋼 Stainless	MW948	120-160	0.1-0.2
	K	鑄鐵 Cast Iron	MW948、NM304	60-160	0.05-0.25
	N	非鐵金屬 Non-Ferrous Metal	NM304	200-1000	0.1-0.3
	H	高硬度材 Hardened steel	MW948	50-100	0.05-0.15

BXD

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
XDGT1550..	P	一般鋼 Mild Steel	NW948	150-200	0.1-0.2
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	120-200	0.1-0.2
	M	不鏽鋼 Stainless	NW948	120-160	0.1-0.3
	K	鑄鐵 Cast Iron			
	N	非鐵金屬 Non-Ferrous Metal	NM413	200-3000	0.1-0.5
	H	高硬度材 Hardened steel	NW948	50-100	0.05-0.15

ASM / ASM..R

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
JDMT0702.. EDMT070220..	P	一般鋼 Mild Steel	JP4120、PTH30E、JP4020	130-200	0.04-0.09
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	JP4120、PTH30E、JP4020	80-150	0.04-0.07
	M	不鏽鋼 Stainless	JP4120、PTH30E、JP4020	100-150	0.04-0.09
	K	鑄鐵 Cast Iron	JP4120、PTH30E	130-180	0.04-0.10
	N	非鐵金屬 Non-Ferrous Metal	SD5010、PTH30E	200-500	0.04-0.12

AHU

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate	
					AHU10	AHU15
JDMT1003..R JDMT1505..R	P	一般鋼 Mild Steel	JP4120、PTH30E	120-200	0.05-0.2	0.15-0.25
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	JP4120、PTH30E	80-120	0.05-0.2	0.1-0.2
	M	不鏽鋼 Stainless	JP4120、PTH30E	80-120	0.1-0.2	0.15-0.25
	K	鑄鐵 Cast Iron	JP4120	120-180	0.06-0.2	0.15-0.25
	N	非鐵金屬 Non-Ferrous Metal	WH10	200-600	0.1-0.2	0.1-0.25

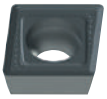
HCP

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
CPMT0903.. CPMT1204..	P	一般鋼 Mild Steel	CY250	65-150	0.14-0.30
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	CY250	40-80	0.14-0.29
	M	不鏽鋼 Stainless	CY250	60-110	0.14-0.30
	K	鑄鐵 Cast Iron	WH10	40-80	0.20-0.30
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel			

ASPV

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
MPHW0603..	P	一般鋼 Mild Steel	JP4105、MZ1000	90-200	0.5-0.8
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	JP4105、MZ1000	90-180	0.4-0.8
	M	不鏽鋼 Stainless	JP4105、JP4005	90-200	0.5-0.8
	K	鑄鐵 Cast Iron	JP4105	90-200	0.7-0.8
	N	非鐵金屬 Non-Ferrous Metal	SD5010		

ASV

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
 MPHW1205	P	一般鋼 Mild Steel	JP4045、CY250V	100-200	0.15-0.3
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	JP4045、CY250V	80-150	0.1-0.15
	M	不鏽鋼 Stainless	JP4045、CY250V	100-200	0.15-0.3
	K	鑄鐵 Cast Iron	CY100H	100-200	0.15-0.3
	N	非鐵金屬 Non-Ferrous Metal	WH10	400-2000	0.05-0.2
	H	高硬度材 Hardened steel			

UEX

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
APET1202.. ADET1603..	P	一般鋼 Mild Steel	NW948、NW950	~140	0.02-0.08
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、NW950	~80	0.02-0.08
	M	不鏽鋼 Stainless	NW948、NW950	~125	0.02-0.08
	K	鑄鐵 Cast Iron	NW948	~80	0.02-0.08
	N	非鐵金屬 Non-Ferrous Metal	NM413	~350	0.02-0.08

WEX

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed			每刃進給 fz(mm/t) Feed Rate		
				AX_T0602	AX_T1235	AX_T1705	AX_T0602	AX_T1235	AX_T1705
AXMT0602.. AXMT1235.. AXMT1705..	P	一般鋼 Mild Steel	ACP200	120-240	170-350	150-200	0.08-0.16	0.08-0.20	0.12-0.35
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	ACP200	50-150	35-170	120-200	0.08-0.16	0.08-0.20	0.12-0.35
	M	不鏽鋼 Stainless	ACM300	90-160	100-170	120-160	0.08-0.12	0.08-0.20	0.12-0.35
	K	鑄鐵 Cast Iron	ACK200	120-240	140-285	60-160	0.10-0.20	0.08-0.20	0.12-0.35
	N	非鐵金屬 Non-Ferrous Metal	NM304	160-800	170-1000	200-1000	0.05-0.15	0.05-0.22	0.05-0.25
	H	高硬度材 Hardened steel							

WEM

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
APMT1035..	P	一般鋼 Mild Steel	ACZ330	80-160	0.05-0.2
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	ACZ330	80-160	0.05-0.2
	M	不鏽鋼 Stainless	ACZ350	80-120	0.05-0.15
	K	鑄鐵 Cast Iron	ACZ310	70-180	0.05-0.2
	N	非鐵金屬 Non-Ferrous Metal	H1	200-500	0.05-0.2
	H	高硬度材 Hardened steel			

MEC

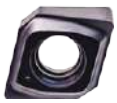
Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
BDMT0703.. BDMT11T3..	P	一般鋼 Mild Steel	PR1225、PR1535	100-250	0.06-0.25
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR1225、PR1535	100-180	0.06-0.20
	M	不鏽鋼 Stainless	PR1535	90-250	0.06-0.20
	K	鑄鐵 Cast Iron	PR1210	100-250	0.06-0.25
	N	非鐵金屬 Non-Ferrous Metal			

推薦切削條件
RECOMMENDED CUTTING CONDITIONS

MEW

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
LOMU10.. LOGT10..	P	一般鋼 Mild Steel	PR1525、PR1535	100-250	0.06-0.25
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR1525、PR1535	80-180	0.06-0.20
	M	不鏽鋼 Stainless	PR1525、PR1535	100-200	0.06-0.15
	K	鑄鐵 Cast Iron	PR1510	120-250	0.06-0.25
	N	非鐵金屬 Non-Ferrous Metal	GW25	200-800	0.06-0.25

CCN

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
 CNHT07..	P	一般鋼 Mild Steel	IC908	180-300	0.10-0.25
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	IC908	160-230	0.10-0.25
	M	不鏽鋼 Stainless	IC908	100-160	0.10-0.25
	K	鑄鐵 Cast Iron	IC908		
	N	非鐵金屬 Non-Ferrous Metal			

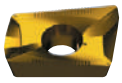
CAP

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
APKT1003 APKT1604	P	一般鋼 Mild Steel	IC328	70-180	0.08-0.15
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	IC328	55-180	
	M	不鏽鋼 Stainless	IC328	80-120	
	K	鑄鐵 Cast Iron	IC328	60-330	
	N	非鐵金屬 Non-Ferrous Metal	IC28、H01	50-640	0.07-0.25

TE90A

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate		
					0602	09T3	1705
AXMT0602 APKT09T3 APKT1705	P	一般鋼 Mild Steel	TT9030、TT9080	80-370	0.04-0.13	0.05-0.10	0.07-0.14
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	TT9030、TT9080	65-155			
	M	不鏽鋼 Stainless	TT9030、TT9080	80-270			
	K	鑄鐵 Cast Iron	K10	50-140	0.10-0.20	0.05-0.35	0.09-0.18
	N	非鐵金屬 Non-Ferrous Metal	K10	210-900			

AKS

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate			
					0602	0903	10T3	1204
 XOMT0602 XOMT0903 XOMT10T3 XOMT1204	P	一般鋼 Mild Steel	GW762	150-395	0.065-0.12	0.04-0.14	0.10-0.17	0.14-0.24
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	GW762	105-320				
	M	不鏽鋼 Stainless	GW762	75-330	0.055-0.12	0.05-0.10	0.065-0.14	0.085-0.19
	K	鑄鐵 Cast Iron						
	N	非鐵金屬 Non-Ferrous Metal	GW471	345-2575	0.075-0.12	0.04-0.14	0.09-0.15	0.13-0.22

VAX

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
R390-11T3 R390-1704	P	一般鋼 Mild Steel	1025、4240	115-340	0.05-0.15
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	1025	60-245	
	M	不鏽鋼 Stainless	1025	115-255	
	K	鑄鐵 Cast Iron	1025		
	N	非鐵金屬 Non-Ferrous Metal	NM413	255-990	0.08-0.20

PTN

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed		每刃進給 fz(mm/t) Feed Rate	
				TNGX10	TNGX16	TNGX10	TNGX16
TNGX1004 TNGX1604	P	一般鋼 Mild Steel	8230、M8330	180-300	145-220	0.05-0.15	0.12-0.28
		碳鋼・合金鋼 Carbon Steel / Alloy Steel					
	M	不鏽鋼 Stainless	8230、M8330	105-180	85-130	0.05-0.12	0.12-0.28
	K	鑄鐵 Cast Iron	8230、M8330	170-285	135-205	0.05-0.15	0.12-0.28
	N	非鐵金屬 Non-Ferrous Metal	HF7	12-525	80-800	0.05-0.20	0.03-0.43
	H	高硬度材 Hardened steel					

TPS

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed		每刃進給 fz(mm/t) Feed Rate	
				AS.T11T3	AS.T1705	AS.T11T3	AS.T1705
ASMT11T3 ASMT1705	P	一般鋼 Mild Steel	AH120、T3130	100-250	80-200	0.05-0.20	0.05-0.20
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	AH120、T3130	100-200	80-150	0.05-0.15	0.05-0.20
	M	不鏽鋼 Stainless	AH130	80-200	80-200	0.08-0.20	0.05-0.20
	K	鑄鐵 Cast Iron	AH120	80-250	80-200	0.12-0.20	0.08-0.25
	N	非鐵金屬 Non-Ferrous Metal	KS05S	100-1000	100-1000	0.05-0.20	0.05-0.20
	H	高硬度材 Hardened steel					

推薦切削條件
RECOMMENDED CUTTING CONDITIONS

AQXR-1

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度 Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate								
					Ø16~17			Ø20~21			Ø25~26		
					ap	ae	fz	ap	ae	fz	ap	ae	fz
QO.T0830R QO.T1035R QO.T1342R QO.T1651R QO.T1856R QO.T2062R	P	一般鋼 Mild Steel	NM749、NW948	150-220	≤4.5	≤8	0.13	≤6	≤10	0.15	≤7.5	≤12.5	0.18
					4.5-12	≤5	0.08	6-14	≤7	0.13	7.5-17	≤8	0.14
					12-17	≤3	0.05	14-22	≤4	0.09	17-27	≤5	0.10
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NM749、NW948	120-200	≤4.5	≤8	0.10	≤6	≤10	0.13	≤7.5	≤12.5	0.15
					4.5-12	≤4	0.07	6-14	≤6	0.10	7.5-17	≤7	0.13
					12-17	≤2	0.04	14-22	≤3	0.08	17-27	≤4	0.09
	M	不鏽鋼 Stainless	NM749、NW948	120-180	≤4.5	≤8	0.10	≤6	≤10	0.13	≤7.5	≤12.5	0.15
					4.5-12	≤4	0.07	6-14	≤6	0.10	7.5-17	≤7	0.13
					12-17	≤2	0.04	14-22	≤3	0.08	17-27	≤4	0.09
	K	鑄鐵 Cast Iron	NM304、NW948	150-220	≤4.5	≤8	0.13	≤6	≤10	0.15	≤7.5	≤12.5	0.18
					4.5-12	≤5	0.08	6-14	≤7	0.13	7.5-17	≤8	0.14
					12-17	≤3	0.05	14-22	≤4	0.09	17-27	≤5	0.10
	N	非鐵金屬 Non-Ferrous Metal	NM304	50-800	≤4.5	≤11	0.15	≤6	≤14	0.18	≤7.5	≤12.5	0.20
					4.5-12	≤8	0.11	6-14	≤10	0.15	7.5-17	≤7	0.17
					12-17	≤5	0.08	14-22	≤6	0.12	17-27	≤4	0.13

AQXR-2

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度 Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate								
					Ø32~33			Ø35			Ø40		
					ap	ae	fz	ap	ae	fz	ap	ae	fz
QO.T0830R QO.T1035R QO.T1342R QO.T1651R QO.T1856R QO.T2062R	P	一般鋼 Mild Steel	NM749、NW948	150-220	≤9.5	≤16	0.20	≤11	≤17.5	0.23	≤12	≤20	0.25
					9.5-22	≤11	0.16	11-25	≤12	0.18	12-28	≤13	0.20
					22-35	≤6	0.13	25-40	≤6.5	0.14	28-44	≤7	0.15
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NM749、NW948	120-200	≤9.5	≤16	0.18	≤11	≤17.5	0.19	≤12	≤20	0.20
					9.5-22	≤10	0.14	11-25	≤11	0.15	12-28	≤12	0.16
					22-35	≤5	0.10	25-40	≤5.5	0.11	28-44	≤6	0.13
	M	不鏽鋼 Stainless	NM749、NW948	120-180	≤9.5	≤16	0.18	≤11	≤17.5	0.23	≤12	≤20	0.20
					9.5-22	≤10	0.14	11-25	≤12	0.15	12-28	≤12	0.16
					22-35	≤5	0.10	25-40	≤6.5	0.11	28-44	≤6	0.13
	K	鑄鐵 Cast Iron	NM304、NW948	150-220	≤9.5	≤16	0.20	≤11	≤17.5	0.19	≤12	≤20	0.25
					9.5-22	≤11	0.16	11-25	≤12	0.18	12-28	≤13	0.20
					22-35	≤6	0.13	25-40	≤6.5	0.14	28-44	≤7	0.15
	N	非鐵金屬 Non-Ferrous Metal	NM304	50-800	≤9.5	≤16	0.23	≤11	≤17.5	0.19	≤12	≤20	0.28
					9.5-22	≤10	0.19	11-25	≤12	0.20	12-28	≤12	0.23
					22-35	≤5	0.15	25-40	≤6.5	0.16	28-44	≤6	0.18

AJU

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度 Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate			
					Ø16~17	Ø20~21	Ø25~26	Ø32~33
CCMT06 CPMT08..Z CPMT09 CPMT09..Z CPMT12 CPMT12..Z CPMT16..Z	P	一般鋼 Mild Steel	CY250	65-150	0.03-0.05	0.03-0.06	0.04-0.08	0.05-0.10
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	CY250	40-80	0.02-0.05	0.03-0.06	0.03-0.08	0.04-0.10
	M	不鏽鋼 Stainless	CY250	60-110	0.03-0.06	0.04-0.07	0.05-0.09	0.06-0.10
	K	鑄鐵 Cast Iron	WH10	40-80	0.01-0.03	0.02-0.03	0.02-0.04	0.03-0.05
	N	非鐵金屬 Non-Ferrous Metal						

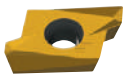
ASJ

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
ACMT1003..R	P	一般鋼 Mild Steel	CY250	120-220	0.10-0.25
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	CY250	50-120	0.05-0.20
	M	不鏽鋼 Stainless	CY250	120-220	0.08-0.25
ADMT1003..L	K	鑄鐵 Cast Iron	CY100H	120-180	0.08-0.25
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel			

PG

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
PG..	P	一般鋼 Mild Steel	5020	240-365	0.03-0.18
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	5020	114-251	0.03-0.18
	M	不鏽鋼 Stainless	5020	122-218	0.03-0.18
	K	鑄鐵 Cast Iron	5020	129-262	0.03-0.18
	N	非鐵金屬 Non-Ferrous Metal	5020	410-1082	0.03-0.12

RT

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed		每刃進給 fz(mm/t) Feed Rate	
				RT07、RT10	RT13	RT07、RT10	RT13
 RT..	P	一般鋼 Mild Steel	5020	210-365	199-351	0.03-0.06	0.05-0.25
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	5020	145-251	96-241	0.03-0.06	0.05-0.25
	M	不鏽鋼 Stainless	5020	137-218	113-213	0.03-0.06	0.05-0.25
	K	鑄鐵 Cast Iron	5020	178-262	101-257	0.03-0.06	0.05-0.25
	N	非鐵金屬 Non-Ferrous Metal	5020	600-1082	480-1050	0.03-0.05	0.05-0.15

ATN

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
ENMU06..	P	一般鋼 Mild Steel	JP4120、MW915	130-170	1.0-1.2
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	JP4120、MW915	90-100	0.8-1.0
	M	不鏽鋼 Stainless	MW915	90-100	0.8-1.0
	K	鑄鐵 Cast Iron	JP4120、MW915	180-200	1.2-1.5
	N	非鐵金屬 Non-Ferrous Metal	MW913		

推薦切削條件 RECOMMENDED CUTTING CONDITIONS

AJX

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
JO..06T2 JO..0803 JD..09T3 JD..1204 WD..1204 JD..1405 WD..1405	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、JP4120	90-200	0.8-1.5
		快削鋼 Free-Cutting Steel	NW948、JP4120	90-150	0.5-0.8
	M	不鏽鋼 Stainless	NW948	90-180	0.6-0.8
	K	鑄鐵 Cast Iron	NW948、JP4120	90-200	1.0-2.0
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel	JP4120	80-120	0.2

ASRF4

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
SD..1205	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	CY250、JP4120	90-200	1.5-1.8
		快削鋼 Free-Cutting Steel	CY250、JP4120	54-120	0.8-1.0
	M	不鏽鋼 Stainless	JM4160	60-133	0.8-1.0
	K	鑄鐵 Cast Iron	CY250、JP4120	90-200	2.0-2.4
	N	非鐵金屬 Non-Ferrous Metal			

ASR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
EPNW0803.. EDNW10T3.. EDNW13T4..	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	CY250、GX2140	90-200	0.6-2.0
		快削鋼 Free-Cutting Steel	CY250、JP4120	80-120	0.4-0.8
	M	不鏽鋼 Stainless	JM4160	80-200	0.5-1.0
	K	鑄鐵 Cast Iron	CY250、JP4120	180-200	0.8-2.0
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel	JP4120	70-120	0.2-0.6

ASRS

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
EPMT0603..	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	JP4120、GX2140	90-180	0.8-1.6
		快削鋼 Free-Cutting Steel	JP4120	90-130	0.6-1.2
	M	不鏽鋼 Stainless	JM4160	90-180	0.5-1.0
	K	鑄鐵 Cast Iron	JS4045	90-180	1.2-1.8
	N	非鐵金屬 Non-Ferrous Metal			

ASS

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
SP..07T2	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	JS4045、GX2140	130-170	1.2-1.3
		快削鋼 Free-Cutting Steel	JS4045、GX2140	90-100	1.0-1.2
	M	不鏽鋼 Stainless	JM4160	90-100	0.8-1.0
	K	鑄鐵 Cast Iron	JS4045、GX2140	180-200	1.2-1.5
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel	JP4105	60-80	0.35-0.4

MFH

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
LOGU03..	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	PR1525、MW913	100-250	0.2-1.5
		快削鋼 Free-Cutting Steel	PR1525、MW913	60-180	0.2-1.2
	M	不鏽鋼 Stainless	PR1525、MW913	90-200	0.2-1.2
	K	鑄鐵 Cast Iron	PR1510、MW913	100-250	0.2-1.5
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel			

FFQ

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
SOMT1205..	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	IC808、IC830	120-220	0.5-2.0
		快削鋼 Free-Cutting Steel	IC808、IC830	100-170	0.5-1.8
	M	不鏽鋼 Stainless	IC808、IC830	80-160	0.5-1.5
	K	鑄鐵 Cast Iron	IC810	120-220	0.5-2.0
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel	IC808	50-75	0.4-0.5

PBN

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
BNGX10T3..	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	M8330、M8310	224-267	0.02-1.16
		快削鋼 Free-Cutting Steel	M8330、M8310	187-205	0.20-0.93
	M	不鏽鋼 Stainless	M8330、M8310	100-137	0.25-1.10
	K	鑄鐵 Cast Iron	M8330、M8310	181-253	0.20-1.50
	N	非鐵金屬 Non-Ferrous Metal			

推薦切削條件 RECOMMENDED CUTTING CONDITIONS

EXN

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
LNMU02.. LNMU03..	P	一般鋼 Mild Steel	AH725、AH130	100-300	0.5-1.5
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	AH725、AH130	100-200	0.5-1.0
	M	不鏽鋼 Stainless	AH130	100-150	0.3-0.8
	K	鑄鐵 Cast Iron	AH725	80-300	0.5-1.5
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel	AH725	50-70	0.03-0.07

TEBL

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
BLMP0603..	P	一般鋼 Mild Steel	TT9080	115-370	0.3-2.0
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	TT9080	75-265	0.3-1.6
	M	不鏽鋼 Stainless	JW965	100-180	0.3-1.2
	K	鑄鐵 Cast Iron	JW965	120-250	0.4-2.0
	N	非鐵金屬 Non-Ferrous Metal			

BRP

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
RP..08T2 RP..10T3 RP..1003 RP..1204	P	一般鋼 Mild Steel	NW948、NV702	110-300	0.6-2.0
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、NV702	80-160	0.4-0.8
	M	不鏽鋼 Stainless	NW948、NV702	130-220	0.5-1.0
	K	鑄鐵 Cast Iron	NW948	80-220	0.8-2.0
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel	NW948	50-100	0.2-0.6

HAR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
RD..0501 RD..0802 RD..10T3 RD..1204 RD..1604	P	一般鋼 Mild Steel	JP4120、CY250	120-250	0.1-0.8
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	JP4120	60-200	0.08-0.6
	M	不鏽鋼 Stainless	JM4160、CY250	150-240	0.1-0.8
	K	鑄鐵 Cast Iron	JS4060	100-220	0.1-1.0
	N	非鐵金屬 Non-Ferrous Metal			

RD

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
RD..0501 RD..0702 RD..1003	P	一般鋼 Mild Steel	5020、TW951	140-351	0.05-0.35
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	5020、TW951	70-241	0.05-0.35
	M	不鏽鋼 Stainless	5020、TW951	100-213	0.05-0.35
	K	鑄鐵 Cast Iron	5020、TW951	60-257	0.05-0.35
	N	非鐵金屬 Non-Ferrous Metal	GX03、HF7	290-1050	0.05-0.35
	H	高硬度材 Hardened steel	5020	20-45	0.35-0.4

TR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
RD..1003 RD..12T3	P	一般鋼 Mild Steel	5020	200-330	0.08-0.25
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	5020	95-230	0.08-0.25
	M	不鏽鋼 Stainless	5020	110-205	0.08-0.25
	K	鑄鐵 Cast Iron	5020	100-250	0.08-0.25
	N	非鐵金屬 Non-Ferrous Metal	5020	380-1000	0.08-0.15
	H	高硬度材 Hardened steel	5020	25-40	0.08-0.15

SE

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
QP..120903 QP..1612T3 QP..201504	P	一般鋼 Mild Steel	GA45	180-310	0.1-0.15
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	GA45	130-230	0.05-0.15
	M	不鏽鋼 Stainless	GA45	180-310	0.05-0.15
	K	鑄鐵 Cast Iron	GA45	100-240	0.05-0.2
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel			

SR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
ZP 1200.. ZP 1600.. ZP 2000.. ZP 2500..	P	一般鋼 Mild Steel	5020、JW916	140-350	0.05-0.35
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	5020、JW916	70-240	0.05-0.35
	M	不鏽鋼 Stainless	5020、JW916	100-210	0.05-0.35
	K	鑄鐵 Cast Iron	5020	60-255	0.05-0.35
	N	非鐵金屬 Non-Ferrous Metal			

WGR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
WGRMT-D08 | WGRMT-D32	P	一般鋼 Mild Steel	GA45	150-300	0.10-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	GA45	110-240	0.10-0.3
	M	不鏽鋼 Stainless	GA45	110-200	0.08-0.3
	K	鑄鐵 Cast Iron	GA45	90-160	0.08-0.3
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel	GA45	50-100	0.03-0.06

GWV

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
WPV 12 | WPV 25	P	一般鋼 Mild Steel	GA45	170-230	0.10-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	GA45	110-250	0.10-0.3
	M	不鏽鋼 Stainless	GA45	110-235	0.08-0.3
	K	鑄鐵 Cast Iron	GA45	150-275	0.08-0.3
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel	GA45	45-90	0.03-0.06

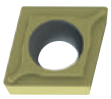
PPH

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
PHB08 | PHB20 BNM-080 | BNM-250 SRFT10 | SRFT25	P	一般鋼 Mild Steel	2003、NW150、JW912	80-300	0.1-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	2003、NW150、JW912	80-200	0.1-0.3
	M	不鏽鋼 Stainless	2003	160-280	0.05-0.2
	K	鑄鐵 Cast Iron	2003、JW912	170-277	0.05-0.2
	N	非鐵金屬 Non-Ferrous Metal	NW150	80-300	0.1-0.3
	H	高硬度材 Hardened steel	2003、JW912	80-120	0.05-0.2

PPHT

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
SUFT12R | SUFT20R RNM-120 | RNM-200	P	一般鋼 Mild Steel	2003、NW948	80-300	0.2-0.4
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	2003、NW948	80-200	0.15-0.3
	M	不鏽鋼 Stainless	2003、NW948	100-200	0.2-0.4
	K	鑄鐵 Cast Iron	2003	170-277	0.05-0.2
	N	非鐵金屬 Non-Ferrous Metal			

CCT

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
 CCMT0602 CCMT0803 CCMT09T3 CCMT1204	P	一般鋼 Mild Steel	NW948	190-250	0.05-0.12
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	90-160	0.05-0.12
	M	不鏽鋼 Stainless	NW948、NV230	90-150	0.05-0.12
	K	鑄鐵 Cast Iron	NW948、NM304	100-180	0.05-0.12
	N	非鐵金屬 Non-Ferrous Metal	NM304	310-730	0.05-0.08
	H	高硬度材 Hardened steel			

DCWR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
DCMT0702 DCMT11T3	P	一般鋼 Mild Steel	NW948、NY942	160-230	0.04-0.2
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、NY942	120-170	0.04-0.2
	M	不鏽鋼 Stainless	NW948、NV230	40-90	0.1-0.35
	K	鑄鐵 Cast Iron	NM304、NW948	100-170	0.08-0.3
	N	非鐵金屬 Non-Ferrous Metal	NM304	210-490	0.1-0.4
	H	高硬度材 Hardened steel			

TCRM

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
TCMX16T308	P	一般鋼 Mild Steel	GQ17	80-220	0.05-0.25
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	GQ17	80-220	0.05-0.25
	M	不鏽鋼 Stainless	GQ17	70-150	0.05-0.2
	K	鑄鐵 Cast Iron	GQ17	70-180	0.1-0.3
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel			

TCR

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
TC..16T3	P	一般鋼 Mild Steel	GM38	140-350	0.05-0.35
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	GM38	70-240	0.05-0.35
	M	不鏽鋼 Stainless	GM38	100-210	0.05-0.35
	K	鑄鐵 Cast Iron			
	N	非鐵金屬 Non-Ferrous Metal			

推薦切削條件 RECOMMENDED CUTTING CONDITIONS

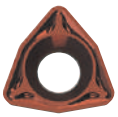
VMSP

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
SP..0502 SP..0903 SP..1203	P	一般鋼 Mild Steel	MW915、NY942	230-330	0.08-0.2
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	MW915、NY942	100-230	0.08-0.2
	M	不鏽鋼 Stainless	MW915、NY942	120-200	0.08-0.2
	K	鑄鐵 Cast Iron	MW915、NY942	120-250	0.08-0.2
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel			

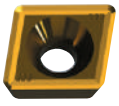
TPR90

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
TP..1603	P	一般鋼 Mild Steel	NW948、NY942	185-270	0.08-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、NY942	140-200	0.08-0.3
	M	不鏽鋼 Stainless	NW948、NY942		
	K	鑄鐵 Cast Iron	NM304、NY942	75-165	0.05-0.3
	N	非鐵金屬 Non-Ferrous Metal	NM304		
	H	高硬度材 Hardened steel			

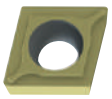
DW

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					Ø20 以下	Ø20-Ø24	Ø25-Ø45
 WC..030208 WC..040208 WC..050308 WC..06T308	P	一般鋼 Mild Steel	ACZ330	100-200	0.04-0.1	0.06-0.15	0.08-0.17
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	ACZ330	100-200	0.04-0.1	0.06-0.15	0.08-0.17
	M	不鏽鋼 Stainless	ACZ330	100-200	0.04-0.1	0.06-0.12	0.08-0.15
	K	鑄鐵 Cast Iron		70-120	0.06-0.1	0.08-0.15	0.08-0.2
	N	非鐵金屬 Non-Ferrous Metal	H01	150-250	0.05-0.1	0.1-0.2	0.12-0.23
	H	高硬度材 Hardened steel					

DWD

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	進給 f(mm/rev) Feed Rate		
					Ø13-Ø18	Ø19-Ø29	Ø30-Ø39
 WD..04.. WD..05.. WD..06.. WD..07.. WD..09.. WD..12..	P	一般鋼 Mild Steel	ACP300	100-240	0.04-0.2	0.04-0.2	0.04-0.22
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	ACP300	60-180	0.05-0.2	0.05-0.2	0.05-0.22
	M	不鏽鋼 Stainless	ACP300	90-180	0.06-0.15	0.06-0.15	0.06-0.16
	K	鑄鐵 Cast Iron	ACK300	90-200	0.09-0.27	0.1-0.3	0.11-0.32
	N	非鐵金屬 Non-Ferrous Metal	DL1500	18-320	0.06-0.17	0.06-0.17	0.06-0.18

TB

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
 CCMT0602 CCMT0803 CCMT09T3 CCMT1204	P	一般鋼 Mild Steel	NW948	190-250	0.05-0.12
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	90-160	0.05-0.12
	M	不鏽鋼 Stainless	NW948、NV230	90-150	0.05-0.12
	K	鑄鐵 Cast Iron	NW948、NM304	100-180	0.05-0.12
	N	非鐵金屬 Non-Ferrous Metal	NM304	310-730	0.05-0.08
	H	高硬度材 Hardened steel			

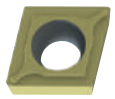
BE..A

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
TP..0802	P	一般鋼 Mild Steel	NW948、NY942	185-270	0.08-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、NY942	140-200	0.08-0.3
	M	不鏽鋼 Stainless	NW948、NY942		
	K	鑄鐵 Cast Iron	NM304、NY942	75-165	0.05-0.3
	N	非鐵金屬 Non-Ferrous Metal	NM304		
	H	高硬度材 Hardened steel			

BJ..

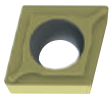
Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
TB..0601 TP..0902 TP..1103	P	一般鋼 Mild Steel	NW948、NY942	185-270	0.08-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、NY942	140-200	0.08-0.3
	M	不鏽鋼 Stainless	NW948、NY942		
	K	鑄鐵 Cast Iron	NM304、NY942	75-165	0.05-0.3
	N	非鐵金屬 Non-Ferrous Metal	NM304		
	H	高硬度材 Hardened steel			

SB..

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
 CCMT0602 CCMT09T3	P	一般鋼 Mild Steel	NW948	190-250	0.05-0.12
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	90-160	0.05-0.12
	M	不鏽鋼 Stainless	NW948、NV230	90-150	0.05-0.12
	K	鑄鐵 Cast Iron	NW948、NM304	100-180	0.05-0.12
	N	非鐵金屬 Non-Ferrous Metal	NM304	310-730	0.05-0.08

推薦切削條件
RECOMMENDED CUTTING CONDITIONS

TBS

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
 CCMT0602 CCMT09T3 CCMT1204	P	一般鋼 Mild Steel	NW948	190-250	0.05-0.12
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	90-160	0.05-0.12
	M	不鏽鋼 Stainless	NW948、NV230	90-150	0.05-0.12
	K	鑄鐵 Cast Iron	NW948、NM304	100-180	0.05-0.12
	N	非鐵金屬 Non-Ferrous Metal	NM304	310-730	0.05-0.08
	H	高硬度材 Hardened steel			

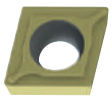
TSBS

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
TC..0902 TC..1102 TC..16T3	P	一般鋼 Mild Steel	NW948	190-250	0.05-0.12
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	90-160	0.05-0.12
	M	不鏽鋼 Stainless	NW948、NV230	90-150	0.05-0.12
	K	鑄鐵 Cast Iron	NW948、NM304	100-180	0.05-0.12
	N	非鐵金屬 Non-Ferrous Metal	NM304	310-730	0.05-0.08
	H	高硬度材 Hardened steel			

SBS/BSB

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
TP..0902 TP..1103 TP..1603	P	一般鋼 Mild Steel	NW948、NY942	185-270	0.08-0.3
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、NY942	140-200	0.08-0.3
	M	不鏽鋼 Stainless	NW948、NY942		
	K	鑄鐵 Cast Iron	NM304、NY942	75-165	0.05-0.3
	N	非鐵金屬 Non-Ferrous Metal	NM304		
	H	高硬度材 Hardened steel			

SCFC

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
 CCMT0602 CCMT09T3 CCMT1204	P	一般鋼 Mild Steel	NW948	190-250	0.05-0.12
		碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	90-160	0.05-0.12
	M	不鏽鋼 Stainless	NW948、NV230	90-150	0.05-0.12
	K	鑄鐵 Cast Iron	NW948、NM304	100-180	0.05-0.12
	N	非鐵金屬 Non-Ferrous Metal	NM304	310-730	0.05-0.08

SRSC

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
RC..10T3	P	一般鋼 Mild Steel	NW948	190-250	0.05-0.12
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	90-160	0.05-0.12
	M	不鏽鋼 Stainless	NW948、NV230	90-150	0.05-0.12
	K	鑄鐵 Cast Iron	NW948、NM304	100-180	0.05-0.12
	N	非鐵金屬 Non-Ferrous Metal	NM304	310-730	0.05-0.08
	H	高硬度材 Hardened steel			

SSSP

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
SP..0903	P	一般鋼 Mild Steel	MW915、NY942	230-330	0.08-0.2
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	MW915、NY942	100-230	0.08-0.2
	M	不鏽鋼 Stainless	MW915、NY942	120-200	0.08-0.2
	K	鑄鐵 Cast Iron	MW915、NY942	120-250	0.08-0.2
	N	非鐵金屬 Non-Ferrous Metal			
	H	高硬度材 Hardened steel			

STFC/STGC/STSCR/STTC

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
TC..0902 TC..1102 TC..16T3	P	一般鋼 Mild Steel	NW948	190-250	0.05-0.12
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948	90-160	0.05-0.12
	M	不鏽鋼 Stainless	NW948、NV230	90-150	0.05-0.12
	K	鑄鐵 Cast Iron	NW948、NM304	100-180	0.05-0.12
	N	非鐵金屬 Non-Ferrous Metal	NM304	310-730	0.05-0.08
	H	高硬度材 Hardened steel			

STFP/STSP

Insert Shape		被切削材 Workpiece Material	刀片材質 Insert Grade	切削速度Vc(m/min) Cutting Speed	每刃進給 fz(mm/t) Feed Rate
TP..0902 TP..1103 TP..1603	P	一般鋼 Mild Steel	NW948、NY942	185-270	0.08-0.3
	P	碳鋼・合金鋼 Carbon Steel / Alloy Steel	NW948、NY942	140-200	0.08-0.3
	M	不鏽鋼 Stainless	NW948、NY942		
	K	鑄鐵 Cast Iron	NM304、NY942	75-165	0.05-0.3
	N	非鐵金屬 Non-Ferrous Metal	NM304		

MEMO

英文字母索引

INDEX BY ALPHABET

索引參考指南 Index Reference Guide

◆本索引是依據字母排序 The index is listed in alphabetical order.

◆產品編號標記 Item code markings:

◌ 標記：代表一個數字

◌ mark:Represents a numeral

□ 標記：代表一個英文字母

□ mark：Represents an English alphabet

（Example：C◌◌ □ -SCLCR- ◌◌ → C08H-SCLCR-06）

數字 (Numeric)		
06IR/L	○○UN	107
06IR/L	A○○	107
08I(N)R/L	○○ISO	107
08I(N)R/L	○○UN	107
08I(N)R/L	A○○	107
11ER/L	○○ISO	107
11ER/L	○○UN	107
11I(N)R/L	○○ISO	107
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11NR	○○G	108
12I	○○○ISO/UN	188
14I/E	○○○ISO/UN	188
16ER/L	○○ISO	107
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