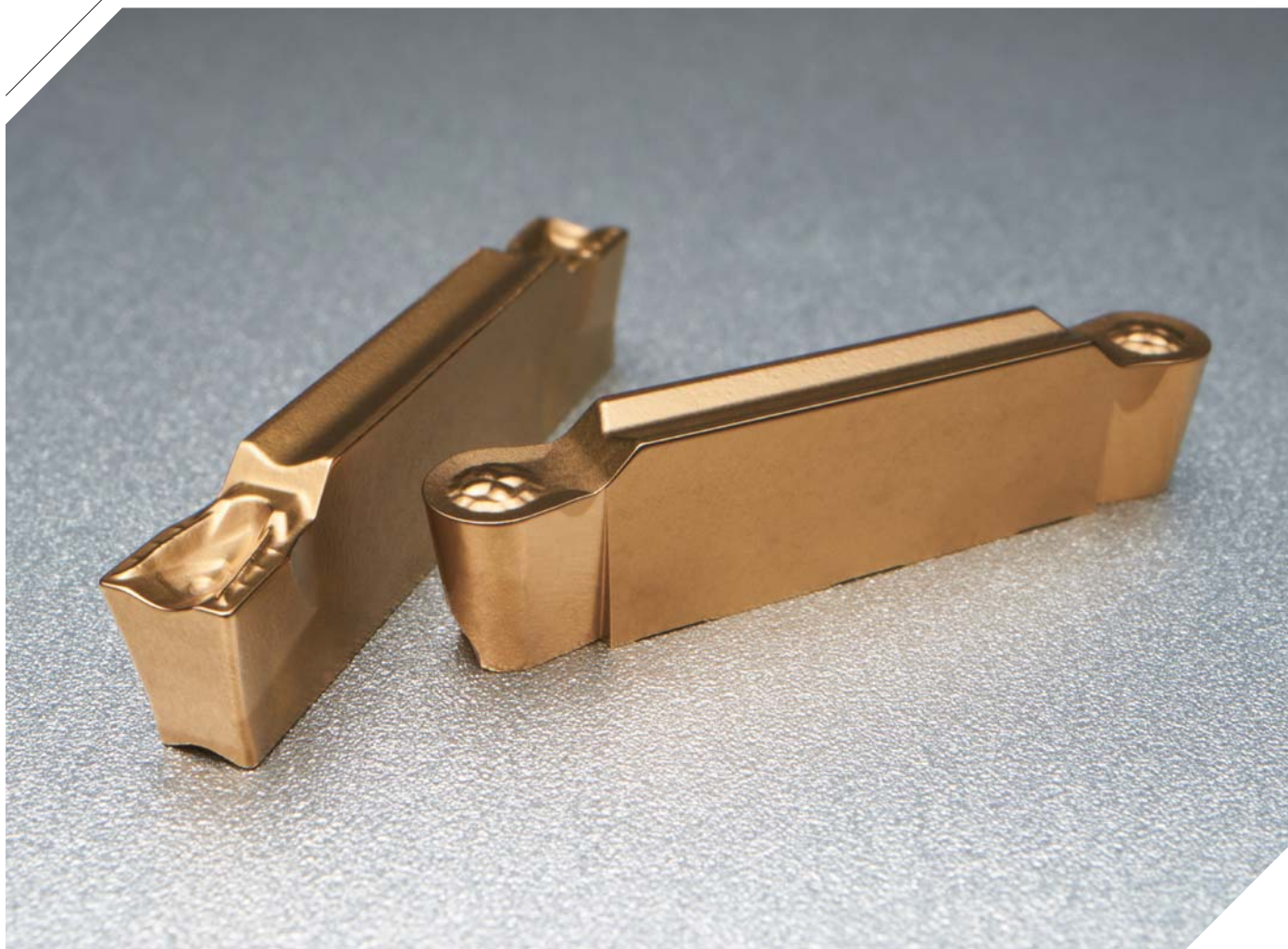


KGT

Multi-functional Grooving and Parting tool for high precision and high quality cutting

- Chip breaker with good chip control and cutting performance
- Providing customers with the optimal cutting solutions they need



Multi-functional Grooving and Parting tool for high precision and high quality cutting

KGT

Grooving and cutting processes are used in various machining and cutting applications, and recently, there is a need for tools ensuring stable performance even in high-speed, high-precision machining to enhance productivity.

In addition, slim and long Grooving and cutting tools are vulnerable to wear, chipping, and breakage due to vibrations generated during high-speed, high-precision machining.

KTG Inserts are applied reinforced edge design and high-quality edge treatment to protect the cutting edge and to realize stable performance in various machining conditions. As a result, they achieve excellent surface finish with dimensional precision and provide superior performance in high-speed and high-precision machining.

KTG Holders provide high machining stability and long tool life by effectively suppressing vibrations generated during machining through a clamping system.

The KGT offers a wide range of inserts and holders suitable for Grooving, Cutting, Turning, Profiling, and relief machining and provides customers with the optimal machining solutions they need.

» Good chip control

- Various chip breakers for excellent chip evacuation

» High cutting performance

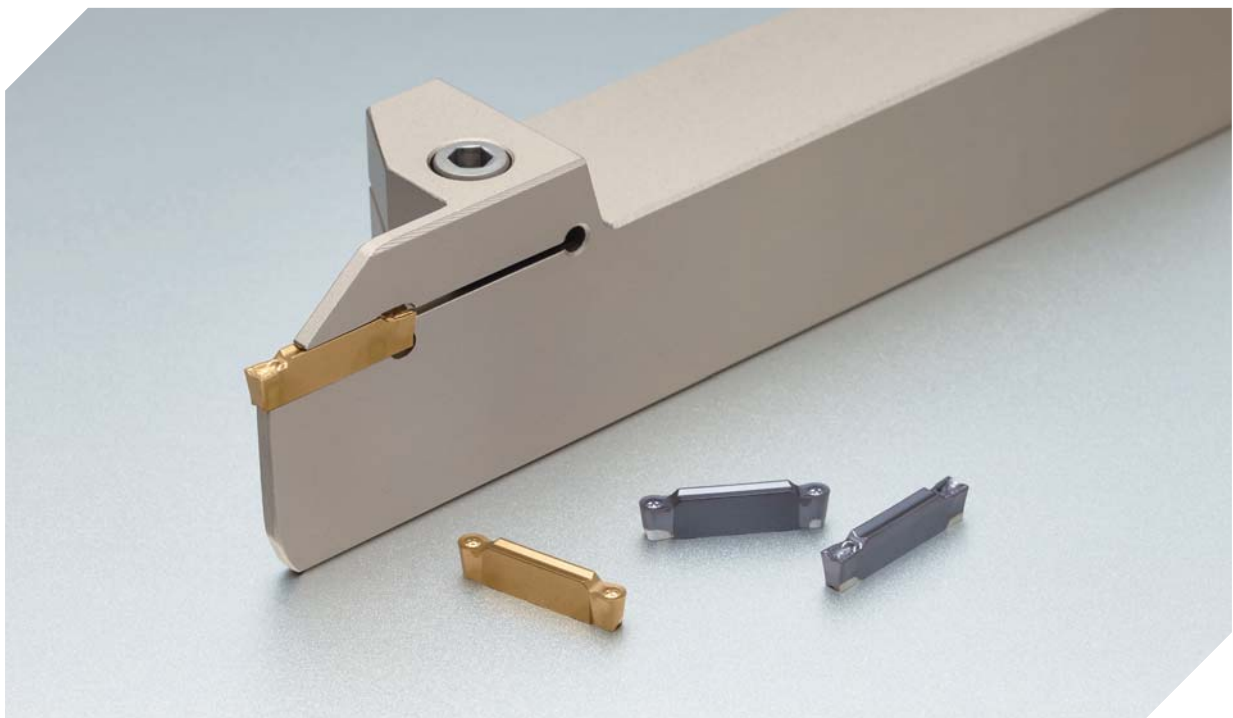
- High surface finish and high precision

» Stable clamping system

- Minimized chattering in cutting through clamp clamping

» Optimal machining solutions

- Providing the optimal cutting solution in various cutting conditions



Code system

Insert

KG	M	N	300	-	04	-	T
KORLOY Grooving	Tolerance M: Pressed class G: Ground class	Hand N: Neutral R: Right L: Left I: Internal	Width of cutting edge 300: 3.00 mm		Nose R 04: 0.4 mm		Chip breaker Flat: L, TL, T, R, B, A Round: C, CM, A Lead angle: LP, RP

Shank (External)

KG	E	H	R	25	25	-	3	-	T20
KORLOY Grooving	Use E: External F: Facing	Holder type H: Horizontal V: Vertical U: Under cut	Hand R: Right L: Left	Shank height 25: 25 mm	Shank width 25: 25 mm		Width of insert cutting edge 3: 3.00 mm		Max. depth of cut T20: 20.00 mm

Shank (Internal)

KG	I	V	R	25	20	-	3
KORLOY Grooving	Use I: Internal	Holder type H: Horizontal U: Under cut	Hand R: Right L: Left	Min. cutting dia. 25: 25 mm	Shank dia. 20: 20 mm		Width of insert cutting edge 3: 3.00 mm

Shank (Facing)

KG	F	H	R	3	25	-	44	/	70	-	T15
KORLOY Grooving	Use F: Facing	Holder type H: Horizontal V: Vertical	Hand R: Right L: Left	Width of insert cutting edge 3: 3.00 mm	Shank height, Shank width 25: 25 mm		Min. cutting dia. 44: 44 mm		Max. cutting dia. 70: 70 mm		Max. depth of cut T15: 15.00 mm

Code system

Blade

KGTB	30	32	S
KORLOY Grooving Tool Blade	Blade height 30: 3.00 mm	Width of insert cutting edge 32: 32 mm	Single blade

Cartridge (Holder)

MC	H	R	25	25
MGT Cartridge system	Holder type H: Horizontal V: Vertical	Hand R: Right L: Left	Shank height 25: 25 mm	Shank dia. 25: 25 mm

Cartridge (Internal)

KC	E	R	3	-	T16
KGT Cartridge system	Use E: External	Hand R: Right L: Left	Width of insert cutting edge 3: 3.00 mm		Max. depth of cut T16: 16.00 mm

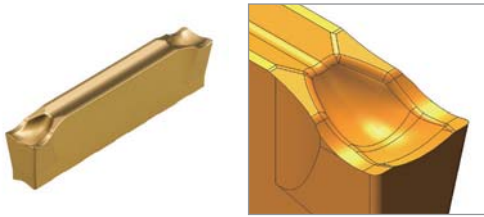
Cartridge (Facing)

KC	F	R	3	-	44	/	70	-	T16
KGT Cartridge system	Use F: Facing	Hand R: Right L: Left	Width of insert cutting edge 3: 3.00 mm		Min. cutting dia. 44: 44 mm		Max. cutting dia. 70: 70 mm		Max. depth of cut T16: 16.00 mm

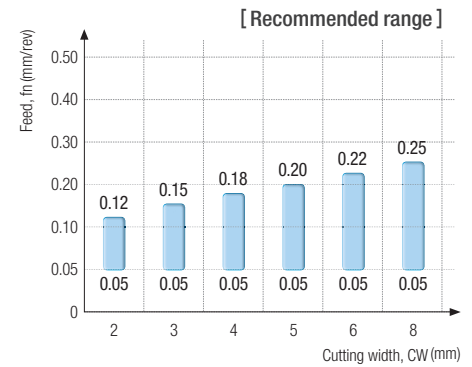
Features of Chip breaker

◎: 1st recommendation ○: 2nd recommendation

L : Light grooving



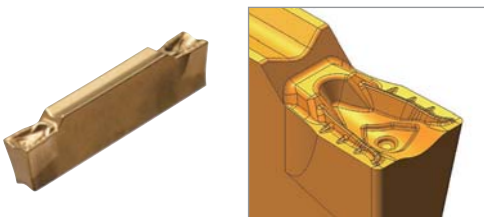
- For Grooving and Parting
- Concave cutting edge
- Concave rake surface
- Low hardness workpiece
- Small diameter part cutting



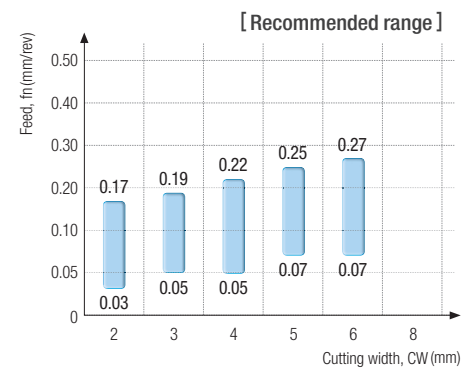
Recommended cutting										
External					Internal				Facing	
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
◎	○				○				○	

Recommended workpiece				
P	M	K	N	S
◎	○			

TL : Turning and grooving in Low feed New



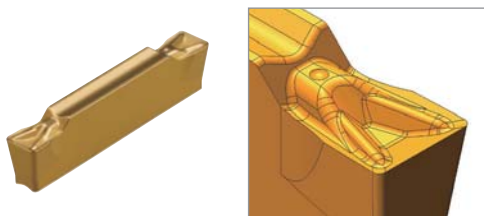
- For Grooving, Cutting and Parting
- Concave cutting edge
- Concave bump
- For HRSA cutting
- Good chip control



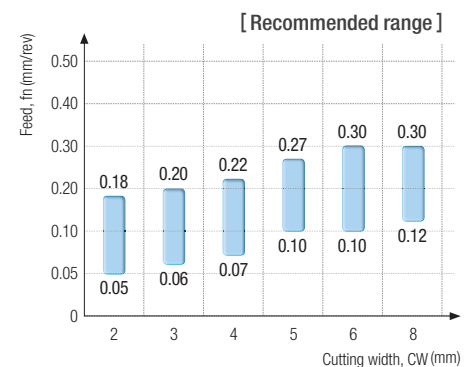
Recommended cutting										
External					Internal				Facing	
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
◎	○	○			○	○			◎	○

Recommended workpiece				
P	M	K	N	S
○	○			◎

T : Turning and grooving



- For Grooving, Cutting and Parting
- Straight cutting edge
- Concave bump
- For various workpiece cutting
- Good chip control



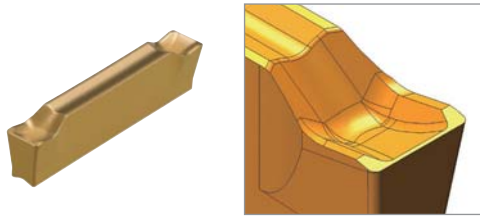
Recommended cutting										
External					Internal				Facing	
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
◎	○	◎			○	○			◎	◎

Recommended workpiece				
P	M	K	N	S
◎	○	○		

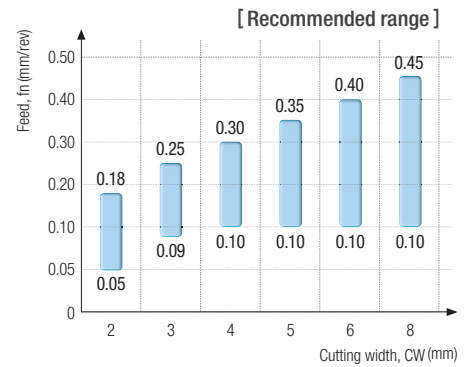
✓ Features of Chip breaker

◎: 1st recommendation ○: 2nd recommendation

R : Rough grooving



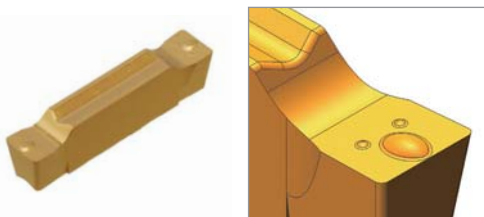
- For Grooving and Parting
- Straight cutting edge
- Hard cutting edge
- High hardness workpiece
- For high feed cutting



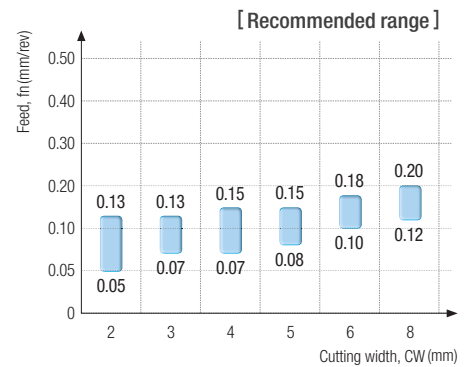
Recommended cutting										
External					Internal				Facing	Special
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
◎	○				○				○	

Recommended workpiece				
P	M	K	N	S
◎	○	◎		

B : Blank for precision grooving



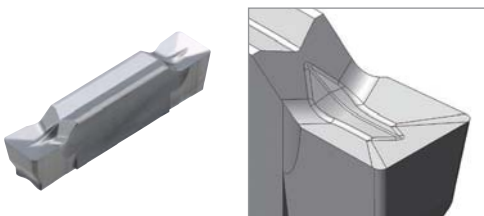
- For Grooving
- Straight cutting edge
- Special shape
- Good surface finish of workpiece



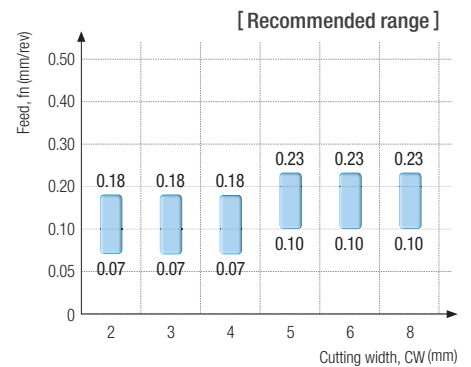
Recommended cutting										
External					Internal				Facing	Special
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
◎										◎

Recommended workpiece				
P	M	K	N	S
◎		○		

A : Aluminum grooving



- For Grooving, Parting and Turning
- Straight cutting edge
- Aluminum workpiece
- Good surface finish of workpiece



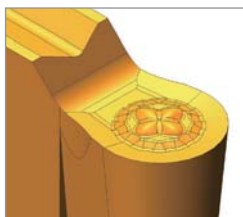
Recommended cutting										
External					Internal				Facing	Special
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
◎	○	○			○					

Recommended workpiece				
P	M	K	N	S
			◎	

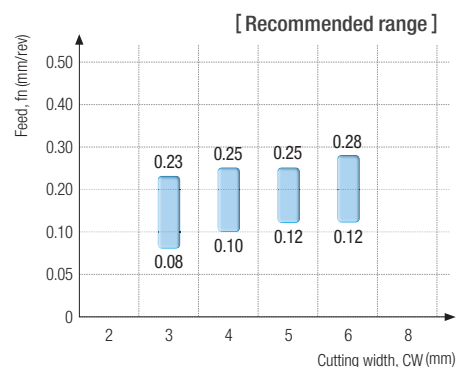
Features of Chip breaker

CM : Copying and relief in Medium feed

◎ : 1st recommendation ○ : 2nd recommendation



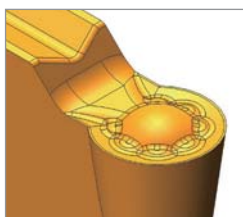
- For Copying and Relief
- Round cutting edge
- Bump on rake surface
- For HRSA cutting
- Good surface finish of workpiece



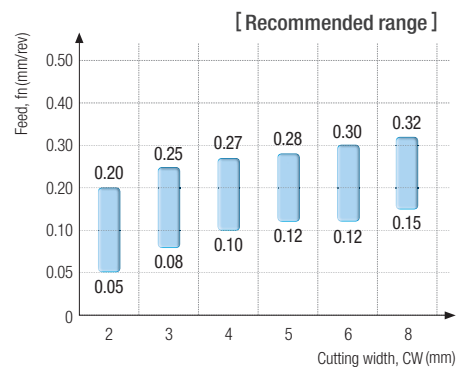
Recommended cutting										
External					Internal				Facing	
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
			◎	◎			○	○		

Recommended workpiece				
P	M	K	N	S
○	○			◎

C : Copying and relief



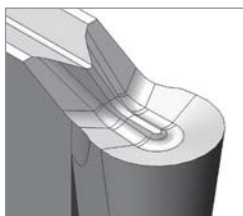
- For Copying and Relief
- Round cutting edge
- Bump on rake surface
- Good surface finish of workpiece



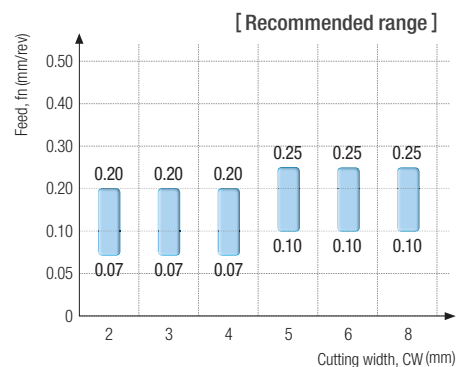
Recommended cutting										
External					Internal				Facing	
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
			◎	◎			○	○		

Recommended workpiece				
P	M	K	N	S
◎	○	○		

A : Aluminum grooving



- For Copying and Relief
- Round cutting edge
- Aluminum workpiece
- Good surface finish of workpiece



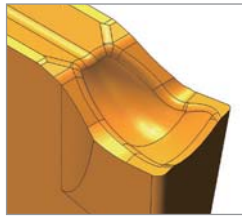
Recommended cutting										
External					Internal				Facing	
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
			◎	◎			○	○		

Recommended workpiece				
P	M	K	N	S
			◎	

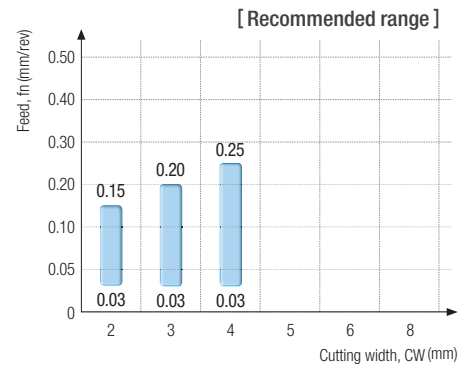
Features of Chip breaker

◎ : 1st recommendation ○ : 2nd recommendation

LP : Light Parting



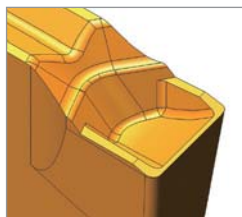
- For Parting
- Lead angle cutting edge
- Concave rake surface
- Low hardness workpiece
- Small diameter part cutting



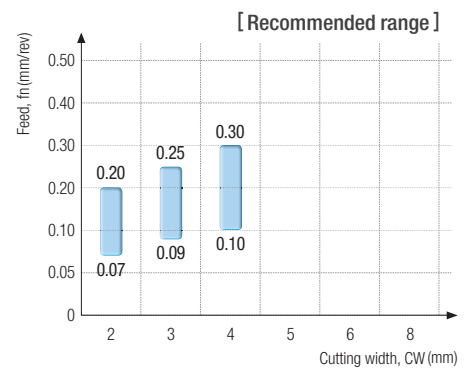
Recommended cutting										
External					Internal				Facing	
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
	◎									

Recommended workpiece				
P	M	K	N	S
◎	○			

RP : Rough Parting



- For Parting
- Lead angle cutting edge
- Hard cutting edge
- High hardness workpiece
- Good for high feed cutting



Recommended cutting										
External					Internal				Facing	
Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning
	◎									

Recommended workpiece				
P	M	K	N	S
◎		○		

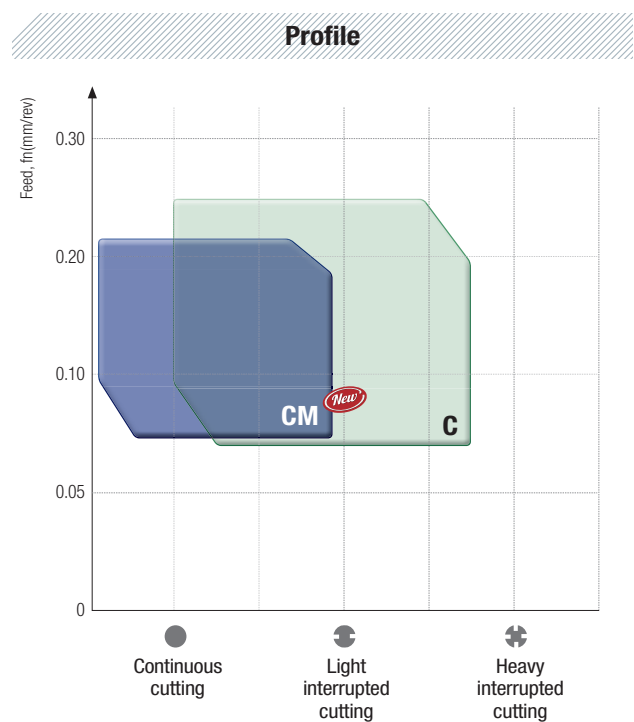
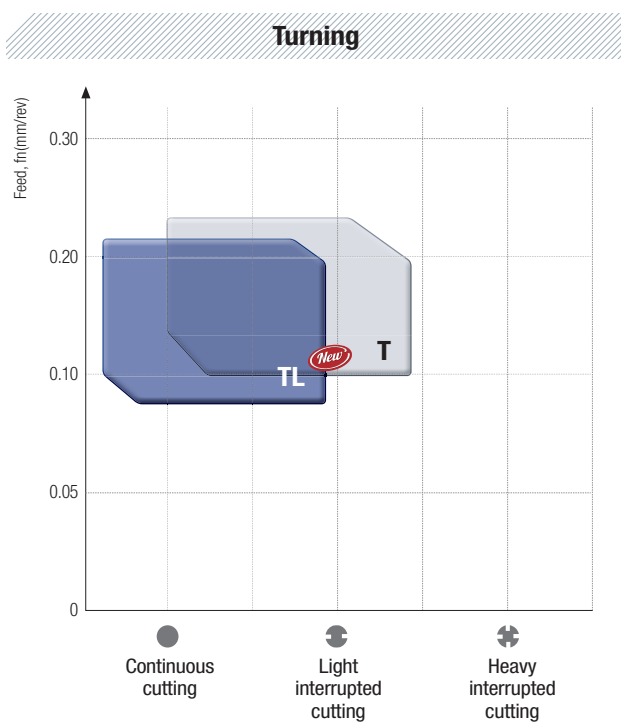
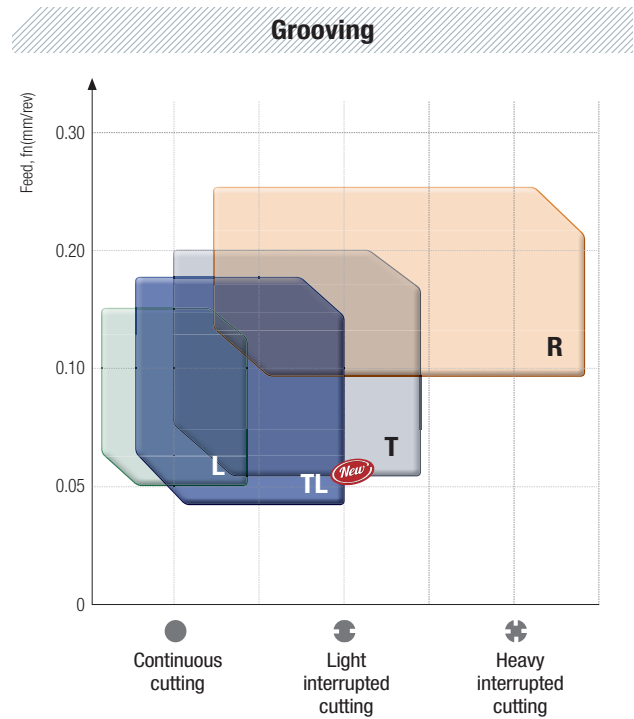
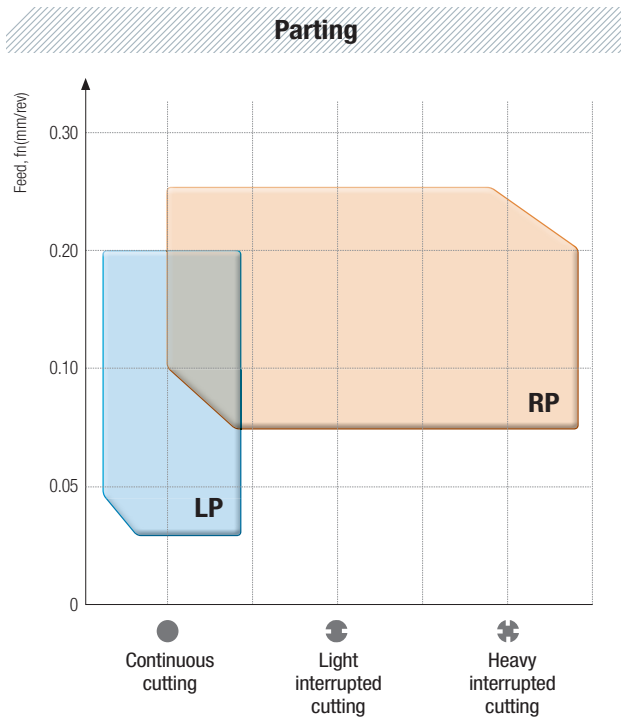
Recommended insert for use

 ◎: 1st recommendation ○: 2nd recommendation

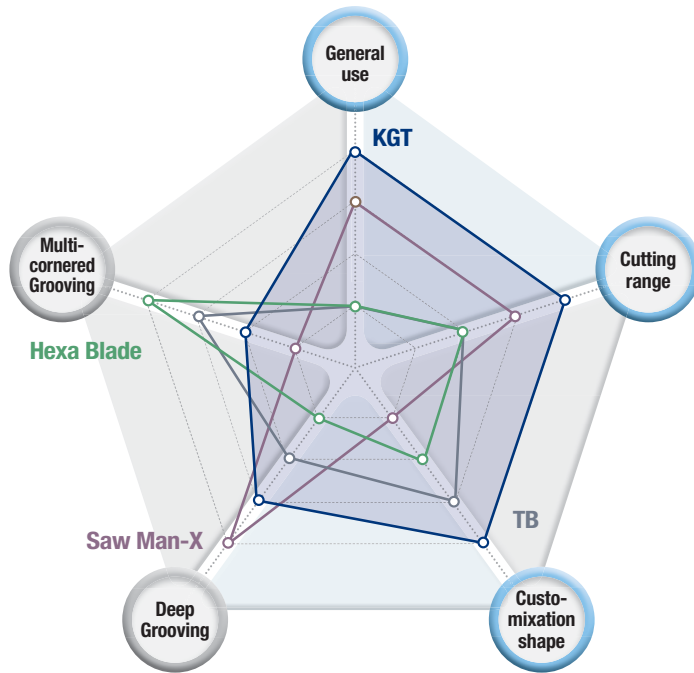
Type	Chip breaker	Cross section type	Recommended workpiece					Recommended cutting												Special	
			P	M	K	N	S	External					Internal				Facing				
								Grooving	Parting	Turning	Copying	Relief	Grooving	Turning	Copying	Relief	Grooving	Turning			
KGMN	L 		◎	○				◎	○						○				○		
	TL 		○	○			◎	◎	○	○					○	○			◎	○	
	T 		◎	○	○			◎	○	◎					○	○			◎	◎	
	R 		◎	○	◎			◎	○						○				○		
KGGN	B 		◎		○			◎													◎
	A 					◎		◎	○	○				○							
	R 		◎	○	◎			◎	○						○				○		
KGMI	T 		◎	○	○									◎	◎						
KGMR/L	LP 		◎	○					◎												
	RP 		◎		○				◎												
KRMN	C 		◎	○	○							◎	◎			○	○				
KRGN	A 					◎						◎	◎			○	○				
	CM 		○	○			◎					◎	◎			○	○				
KRMI	C 		◎	○	○											◎	◎				

Cutting range

Cutting width (mm) = Based on 3



Tool selection guide



KGT

- 2 cornered insert
- Various applications
- For general use



Saw Man-X New

- 1 cornered insert
- Optimal for interrupted and high feed Parting
- Deep Grooving



TB

- Precision typed and 3 cornered insert
- Optimal for automatic cutting
- Precision Grooving



Hexa Blade New

- Precision typed and 6 cornered insert
- High cost efficiency
- Precision Grooving and multi-cornered Grooving



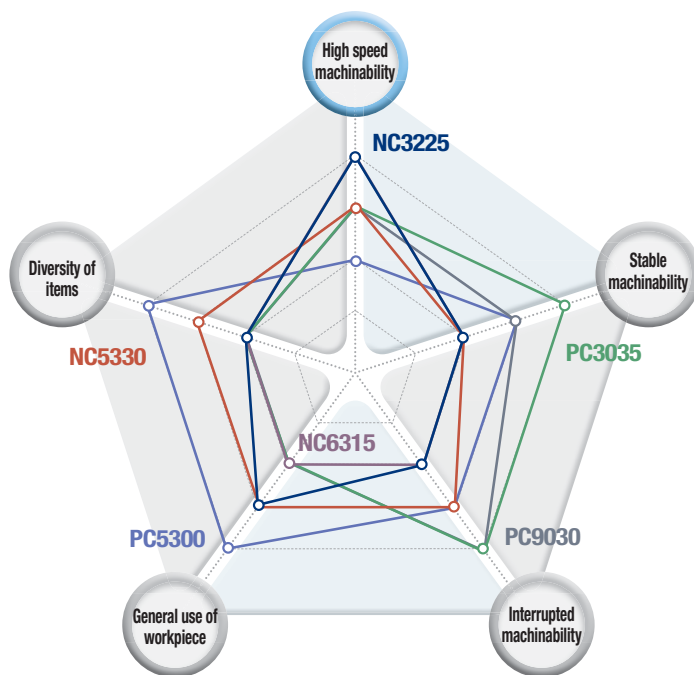
Tool	General use	Cutting range	Customisation shape	Deep Grooving	Multi-cornered Grooving
KGT	★★★★★	★★★★★	★★★★★	★★★	★★
Saw Man-X New	★★★	★★★	★	★★★★★	★
TB	★	★★	★★★★	★★	★★★★
Hexa Blade New	★	★★	★★	★	★★★★★

Cutting width and cutting depth by tools

◎: 1st recommendation ○: 2nd recommendation

Tool	Cutting width (mm)				No. of edge	Machining				Features
	2	4	6	8		External	Internal	Facing	Parting	
	5	10	20	60						
KGT 	1.5			8.0	2	◎	○	○	◎	• For various kinds of cutting • For general cutting range
Saw Man-X New 	2.0		6.0		1	○			◎	• Various lead angles • Minimizing burr
TB 	1.25		6.0		3	◎			○	• Precision type • Optimal for automated machining
Hexa Blade New 	1.78		4.0		6	◎			○	• Precision type • High cost efficient cutting

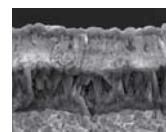
Grade selection guide



NC3225

P

- CVD coating, general Steel and forged Steel
- High speed wear resistance



NC6315

K

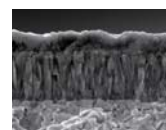
- CVD coating, Gray cast iron and Ductile cast iron general machining
- Rake surface wear, excessive flank wear, burr and chipping suppression



NC5330

P M K

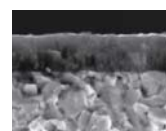
- CVD coating, universal grade
- Good high speed stability



PC3035

P

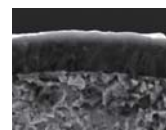
- PVD coating, exclusive Steel Cutting and Grooving
- Good wear resistance and cutting stability



PC9030

M

- PVD coating, medium to roughing interrupted cutting for Stainless steel
- Good chipping resistance and welding resistance



PC5300

P M K S

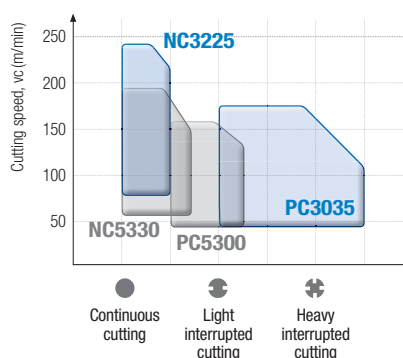
- PVD coating, universal grade
- Good interrupted- efficiency machining and wear resistance



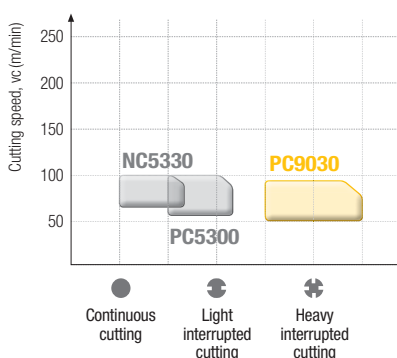
Type	High speed machinability	Stable machinability	Interrupted machinability	General use of workpiece	Diversity of items
NC3225	★★★★★	★★	★★	★★★	★★
NC6315	★★★★★	★★	★★	★★	★★
NC5330	★★★	★★	★★★	★★★	★★★
PC3035	★★★	★★★★★	★★★★★	★★	★★
PC9030	★★★	★★★	★★★★★	★★	★★
PC5300	★★	★★★	★★★	★★★★★	★★★★★

Grade application range

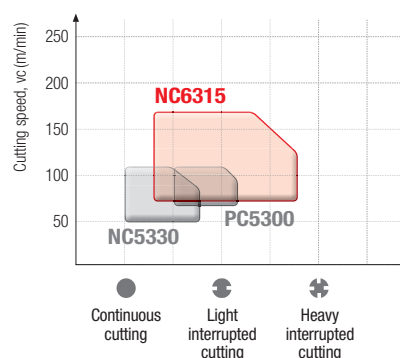
P Steel



M Stainless steel



K Cast iron



 Recommended cutting conditions

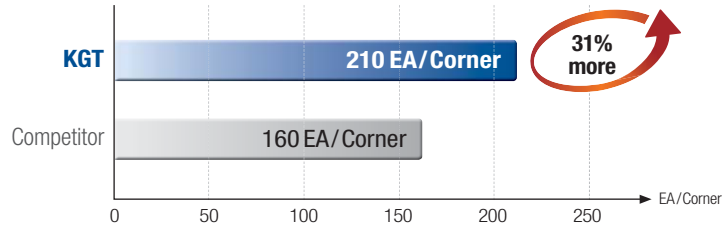
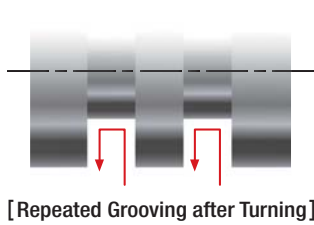
Cutting width (mm) = Based on 3

Workpiece						Grade					Chip breaker											
						CVD			PVD		Grooving						Turning					
ISO	Workpiece material		ISO	AISI	Brinell hardness (HB)	NC3225	NC5330	NC6315	PC3035	PC5300	PC9030	L	TL	T	R	C	CM	TL	T	C	CM	
						vc (m/min)					fn (mm/rev)						fn (mm/rev)					
P	Carbon steel	C = 0.10 ~0.25%	C25	1025	125	210	160	-	100	110	-	0.15	0.12	0.15	0.25	0.20	0.16	0.19	0.20	0.25	0.23	
						230	170	-	140	140	-	0.10	0.10	0.11	0.17	0.15	0.13	0.17	0.16	0.20	0.18	
						240	190	-	180	170	-	0.05	0.08	0.07	0.09	0.10	0.10	0.15	0.12	0.15	0.13	
		C = 0.25 ~0.55%	C35	1035	160	200	140	-	95	100	-	0.15	0.12	0.15	0.25	0.20	0.16	0.19	0.20	0.25	0.23	
						210	160	-	130	130	-	0.10	0.10	0.11	0.17	0.15	0.13	0.17	0.16	0.20	0.18	
						220	170	-	180	160	-	0.05	0.08	0.07	0.09	0.10	0.10	0.15	0.12	0.15	0.13	
		C = 0.55 ~0.80%	C55	1055	229	180	130	-	90	90	-	0.15	0.12	0.15	0.25	0.20	0.16	0.19	0.2	0.25	0.23	
						200	150	-	130	120	-	0.10	0.10	0.11	0.17	0.15	0.13	0.17	0.16	0.20	0.18	
						210	160	-	170	150	-	0.05	0.08	0.07	0.09	0.10	0.10	0.15	0.12	0.15	0.13	
	Low alloy steel ≤ 5%	Non-hardened	42CrMo4	4140	180	150	110	-	60	70	-	0.13	0.11	0.13	0.21	0.18	0.14	0.17	0.18	0.23	0.20	
						160	120	-	100	100	-	0.09	0.09	0.10	0.15	0.13	0.11	0.15	0.14	0.18	0.15	
						170	130	-	140	130	-	0.05	0.07	0.07	0.09	0.08	0.08	0.13	0.10	0.13	0.10	
		Hardened and tempered	-	4145	350	85	60	-	40	50	-	0.13	0.11	0.13	0.21	0.18	0.14	0.17	0.18	0.23	0.20	
						90	70	-	65	60	-	0.09	0.09	0.10	0.15	0.13	0.11	0.15	0.14	0.18	0.15	
	High alloy steel > 5%	Annealed	-	D2	200	110	80	-	50	55	-	0.13	0.11	0.13	0.21	0.18	0.14	0.17	0.18	0.23	0.20	
						120	90	-	80	75	-	0.09	0.09	0.10	0.15	0.13	0.11	0.15	0.14	0.18	0.15	
						130	100	-	120	95	-	0.05	0.07	0.07	0.09	0.08	0.08	0.13	0.10	0.13	0.10	
		Hardened tool steel	X40CrMoV5-1	H13	352	90	65	-	40	40	-	0.13	0.11	0.13	0.21	0.18	0.14	0.17	0.18	0.23	0.20	
						100	70	-	65	60	-	0.09	0.09	0.10	0.15	0.13	0.11	0.15	0.14	0.18	0.15	
	M	Austenite series		X5CrNi18-9	304	160 ~ 180	-	85	-	-	60	50	0.13	0.11	0.13	0.21	0.18	0.14	0.17	0.18	0.23	0.20
							-	90	-	-	80	70	0.09	0.09	0.10	0.15	0.13	0.11	0.15	0.14	0.18	0.15
-							100	-	-	100	90	0.05	0.07	0.07	0.09	0.08	0.08	0.13	0.10	0.13	0.10	
X5CrNiMo17-12-2				316	160 ~ 180	-	85	-	-	60	50	0.13	0.11	0.13	0.21	0.18	0.14	0.17	0.18	0.23	0.20	
						-	90	-	-	80	70	0.09	0.09	0.10	0.15	0.13	0.11	0.15	0.14	0.18	0.15	
K	Gray cast iron	Low tensile strength	150	No25B	≤ 212	-	105	150	-	80	-	-	-	0.13	0.21	0.18	-	0.17	0.18	0.23	0.20	
						-	110	160	-	100	-	-	-	0.10	0.15	0.13	-	0.15	0.14	0.18	0.15	
						-	120	170	-	120	-	-	-	0.07	0.09	0.08	-	0.13	0.10	0.13	0.10	
		High tensile strength	250 350	No35B No50B	≤ 248 ≤ 277	-	85	120	-	80	-	-	-	0.13	0.21	0.18	-	0.17	0.18	0.23	0.20	
						-	90	130	-	100	-	-	-	0.10	0.15	0.13	-	0.15	0.14	0.18	0.15	
						-	100	140	-	120	-	-	-	0.07	0.09	0.08	-	0.13	0.10	0.13	0.10	
	Ductile cast iron	Ferritic	500-7	65-45-12	170 ~ 241	-	65	95	-	70	-	-	-	0.15	0.25	0.20	-	0.19	0.20	0.25	0.23	
						-	70	100	-	85	-	-	-	0.11	0.17	0.15	-	0.17	0.16	0.20	0.18	
						-	80	110	-	100	-	-	-	0.07	0.09	0.10	-	0.15	0.12	0.15	0.13	
		Pearlitic	600-3	80-55-06	192 ~ 269	-	55	85	-	70	-	-	-	0.15	0.25	0.20	-	0.19	0.20	0.25	0.23	
						-	60	90	-	85	-	-	-	0.11	0.17	0.15	-	0.17	0.16	0.20	0.18	
						-	70	100	-	100	-	-	-	0.07	0.09	0.10	-	0.15	0.12	0.15	0.13	
		martensitic	700-2	100-70-03	229 ~ 302	-	55	85	-	70	-	-	-	0.15	0.25	0.20	-	0.19	0.20	0.25	0.23	
						-	60	90	-	85	-	-	-	0.11	0.17	0.15	-	0.17	0.16	0.20	0.18	
						-	70	100	-	100	-	-	-	0.07	0.09	0.10	-	0.15	0.12	0.15	0.13	
S	Inconel		-		200	-	-	-	-	30	-	-	0.09	0.10	-	0.12	0.10	0.15	0.13	0.16	0.14	
						-	-	-	-	40	-	-	0.07	0.08	-	0.10	0.08	0.13	0.11	0.14	0.12	
						-	-	-	-	50	-	-	0.05	0.06	-	0.08	0.06	0.11	0.09	0.12	0.10	
			-		350	-	-	-	-	20	-	-	0.09	0.10	-	0.12	0.10	0.15	0.13	0.16	0.14	
						-	-	-	-	30	-	-	0.07	0.08	-	0.10	0.08	0.13	0.11	0.14	0.12	
						-	-	-	-	40	-	-	0.05	0.06	-	0.08	0.06	0.11	0.09	0.12	0.10	
	Titanium alloy		-		3400	-	-	-	-	40	-	-	0.11	0.13	-	0.18	0.14	0.17	0.18	0.20	0.20	
						-	-	-	-	50	-	-	0.09	0.10	-	0.13	0.11	0.15	0.14	0.18	0.15	
						-	-	-	-	60	-	-	0.07	0.07	-	0.08	0.08	0.13	0.10	0.16	0.10	
			-		950	-	-	-	-	40	-	-	0.11	0.13	-	0.18	0.14	0.17	0.18	0.20	0.20	
						-	-	-	-	50	-	-	0.09	0.10	-	0.13	0.11	0.15	0.14	0.18	0.15	

Performance evaluation

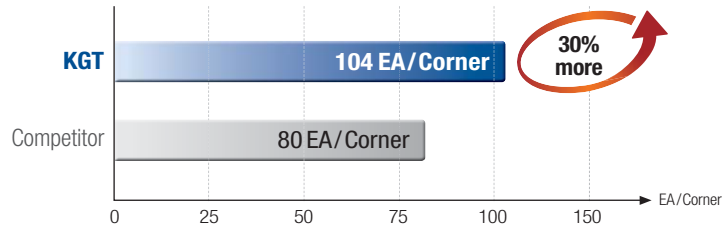
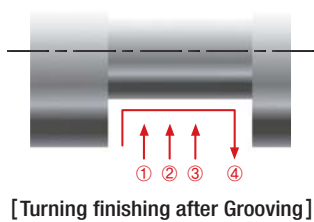
Multi-functional cutting

Workpiece	Carbon steel (C45)		
Cutting condition	$vc(m/min) = 170$, $fn(mm/rev) = 0.15$, $ap(mm) = 2.0$, wet		
Tool	Insert KGMN300-04-T (PC5300)	Holder	KGEHR2525-3-T13



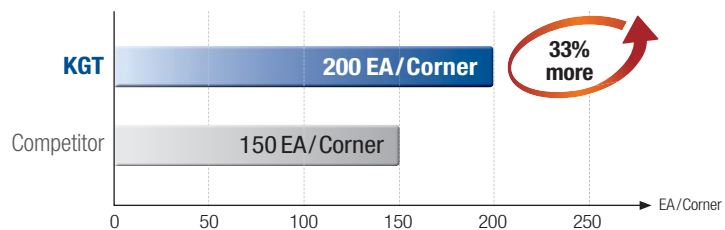
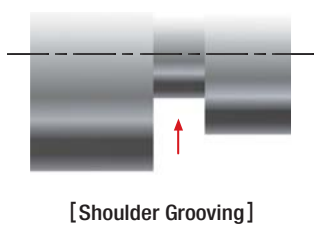
Shaft cutting

Workpiece	Alloy steel (42CrMo4)		
Cutting condition	$vc(m/min) = 150$, $fn(mm/rev) = 0.15$, $ap(mm) = 5.0$, wet		
Tool	Insert KGMN300-04-T (PC5300)	Holder	KGEHR2525-3-T12



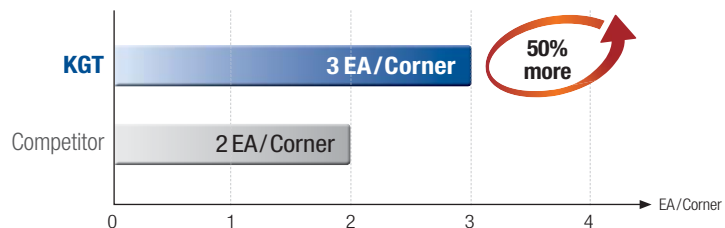
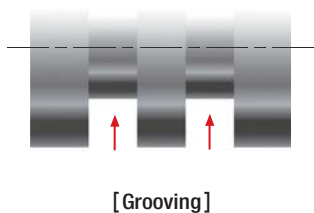
Shaft cutting

Workpiece	Stainless steel (X5CrNi18-9)		
Cutting condition	$vc(m/min) = 120$, $fn(mm/rev) = 0.12$, $ap(mm) = 5.0$, wet		
Tool	Insert KGMN400-03-R (PC5300)	Holder	KGEHR2525-4-T15



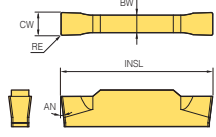
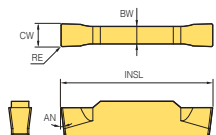
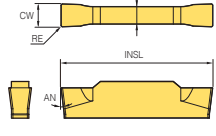
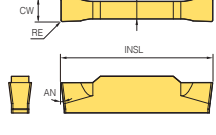
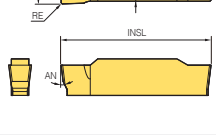
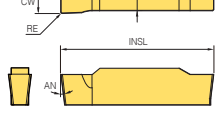
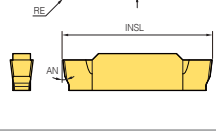
Turbine case cutting

Workpiece	HRSA (Inconel718)		
Cutting condition	$vc(m/min) = 30$, $fn(mm/rev) = 0.04$, $ap(mm) = 8.5$, wet		
Tool	Insert KGMN500-08-TL (UPC810)	Holder	KGEHR3232-5-T20





※ AN = 7°

Picture	Designation	Coated								Uncoated		Dimension (mm)						Geometry
		NC3225	NC5330	NC6315	PC3035	PC5300	PC9030	UNC805	UPC810	H01	H05	CW	RE	INSL	BW	PSIRR	PSIRL	
	KGMN 200-02-L	●	●		●	●	●					2.00	0.20	20.0	1.70	-	-	
	300-02-L	●	●		●	●	●					3.00	0.20	20.0	2.30	-	-	
	400-02-L	●	●		●	●	●					4.00	0.20	20.0	3.30	-	-	
	500-03-L	●	●		●	●						5.00	0.30	25.0	4.10	-	-	
	600-03-L				●							6.00	0.30	25.0	5.10	-	-	
	KGMN 300-02-TL							●	●			3.00	0.20	20.0	2.30	-	-	
	300-04-TL								●			3.00	0.40	20.0	2.30	-	-	
	400-04-TL							●	●			4.00	0.40	20.0	3.30	-	-	
	500-04-TL							●	●			5.00	0.40	25.0	4.10	-	-	
	500-08-TL							●	●			5.00	0.80	25.0	4.10	-	-	
	600-08-TL							●	●			6.00	0.80	25.0	5.10	-	-	
	KGMN 150-015-T	●	●			●						1.50	0.15	16.0	1.20	-	-	
	200-02-T	●	●	●	●	●	●					2.00	0.20	20.0	1.70	-	-	
	250-02-T	●	●			●						2.50	0.20	20.0	2.00	-	-	
	300-02-T	●	●	●	●	●	●					3.00	0.20	20.0	2.30	-	-	
	300-04-T	●	●	●	●	●	●	●	●			3.00	0.40	20.0	2.30	-	-	
	400-04-T	●	●	●	●	●	●	●	●			4.00	0.40	20.0	3.30	-	-	
	400-08-T	●	●	●	●	●	●					4.00	0.80	20.0	3.30	-	-	
	500-04-T	●	●	●	●	●	●					5.00	0.40	25.0	4.10	-	-	
	500-08-T	●	●	●	●	●	●					5.00	0.80	25.0	4.10	-	-	
	600-04-T	●	●	●	●	●	●	●	●			6.00	0.40	25.0	5.10	-	-	
	600-08-T	●	●	●	●	●						6.00	0.80	25.0	5.10	-	-	
	KGMN 150-015-R	●	●			●						1.50	0.15	16.0	1.20	-	-	
	200-02-R	●	●		●	●	●					2.00	0.20	20.0	1.70	-	-	
	300-02-R	●	●		●	●	●					3.00	0.20	20.0	2.30	-	-	
	400-03-R	●	●		●	●	●					4.00	0.30	20.0	3.30	-	-	
	500-03-R		●			●						5.00	0.30	25.0	4.10	-	-	
	600-03-R		●			●						6.00	0.30	25.0	5.10	-	-	
	KGGN 200S-02-A											2.00	0.20	20.0	1.70	-	-	
	300S-02-A											3.00	0.20	20.0	2.30	-	-	
	400S-04-A											4.00	0.40	20.0	3.30	-	-	
	500S-04-A											5.00	0.40	25.0	4.10	-	-	
	600S-04-A											6.00	0.40	25.0	5.10	-	-	
	KGGN 200S-02-R											2.00	0.20	19.9	1.70	-	-	
	300S-02-R				●							3.00	0.20	19.9	2.30	-	-	
	400S-02-R				●							4.00	0.20	19.9	3.30	-	-	
	500S-02-R				●							5.00	0.20	24.9	4.10	-	-	
	600S-02-R				●							6.00	0.20	24.9	5.10	-	-	
	800S-04-R				●							8.00	0.40	24.9	6.10	-	-	
	KGGN 200-02-A								●			2.00	0.20	20.0	1.70	-	-	
	300-02-A								●			3.00	0.20	20.0	2.30	-	-	
	400-04-A								●			4.00	0.40	20.0	3.30	-	-	
	500-04-A								●			5.00	0.40	25.0	4.10	-	-	
	600-04-A								●			6.00	0.40	25.0	5.10	-	-	

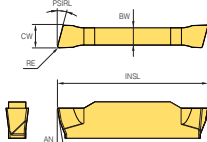
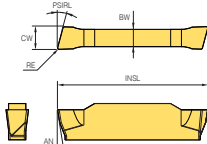
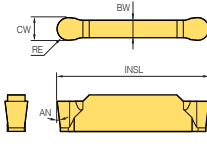
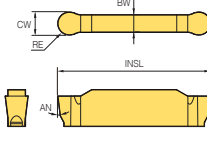
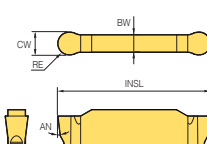
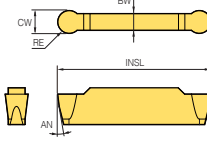
● : Stock item

Picture	Designation	Coated								Uncoated		Dimension (mm)						Geometry
		NC3225	NC5330	NC6315	PC3035	PC5300	PC9030	UNC805	UPC810	H01	H05	CW	RE	INSL	BW	PSIRR	PSIRL	
	KGGN 265-015-B											2.65	0.15	20.0	2.30	-	-	
	300-020-B											3.00	0.20	20.0	2.30	-	-	
	300-040-B											3.00	0.40	20.0	2.30	-	-	
	315-015-B											3.15	0.15	20.0	2.30	-	-	
	400-040-B											4.00	0.40	20.0	3.30	-	-	
	400-080-B											4.00	0.80	20.0	3.30	-	-	
	415-015-B											4.15	0.15	20.0	3.30	-	-	
	478-055-B											4.78	0.55	25.0	4.10	-	-	
	500-080-B											5.00	0.80	25.0	4.10	-	-	
	515-015-B											5.15	0.15	25.0	4.10	-	-	
	600-080-B											6.00	0.80	25.0	5.10	-	-	
	600-120-B											6.00	1.20	25.0	5.10	-	-	
	800-080-B											8.00	0.80	30.0	6.10	-	-	
	800-120-B											8.00	1.20	30.0	6.10	-	-	
	KGGN 200-02-R											2.00	0.20	20.0	1.70	-	-	
	300-02-R											3.00	0.20	20.0	2.30	-	-	
	400-03-R											4.00	0.30	20.0	3.30	-	-	
	500-03-R											5.00	0.30	25.0	4.10	-	-	
	600-03-R											6.00	0.30	25.0	5.10	-	-	
	800-04-R											8.00	0.40	30.0	6.10	-	-	
	KGMI 200-02-T				●							2.00	0.20	20.0	1.70	-	-	
	300-04-T				●							3.00	0.40	20.0	2.30	-	-	
	400-04-T				●							4.00	0.40	20.0	3.30	-	-	
	KGMR 200-6D-LP	●			●							2.00	0.20	20.0	1.70	6.0	-	
	200-8D-LP											2.00	0.20	20.0	1.70	8.0	-	
	200-15D-LP	●			●							2.00	0.20	20.0	1.70	15.0	-	
	300-6D-LP	●			●							3.00	0.20	20.0	2.30	6.0	-	
	300-15D-LP	●			●							3.00	0.20	20.0	2.30	15.0	-	
	400-4D-LP	●			●							4.00	0.30	20.0	3.30	4.0	-	
	400-15D-LP											4.00	0.30	20.0	3.30	15.0	-	
	500-4D-LP											5.00	0.30	25.0	4.10	4.0	-	
	KGMR 200-6D-RP	●			●							2.00	0.20	20.0	1.70	6.0	-	
	200-8D-RP											2.00	0.20	20.0	1.70	8.0	-	
	200-15D-RP	●			●							2.00	0.20	20.0	1.70	15.0	-	
	300-6D-RP	●			●							3.00	0.20	20.0	2.30	6.0	-	
	300-15D-RP	●			●							3.00	0.20	20.0	2.30	15.0	-	
	400-4D-RP	●			●							4.00	0.30	20.0	3.30	4.0	-	
	400-15D-RP	●			●							4.00	0.30	20.0	3.30	15.0	-	
	500-4D-RP											5.00	0.30	25.0	4.10	4.0	-	

● : Stock item



※ AN = 7°

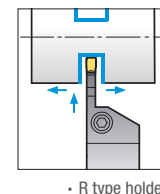
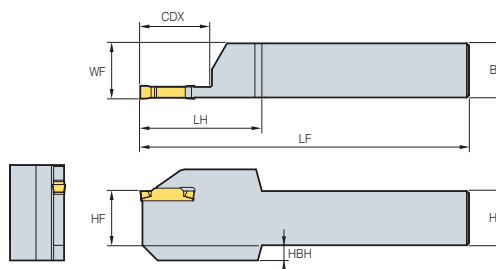
Picture	Designation	Coated								Uncoated		Dimension (mm)						Geometry		
		NC3225	NC5330	NC6315	PC3035	PC5300	PC9030	UNC805	UPC810	H01	H05	CW	RE	INSL	BW	PSIRR	PSIRL			
	KGML	200-6D-LP										2.00	0.20	20.0	1.70	-	6.0			
		200-15D-LP										2.00	0.20	20.0	1.70	-	15.0			
		300-6D-LP										3.00	0.20	20.0	2.30	-	6.0			
		300-15D-LP										3.00	0.20	20.0	2.30	-	15.0			
		400-4D-LP										4.00	0.20	20.0	3.30	-	4.0			
		400-15D-LP										4.00	0.20	20.0	3.30	-	15.0			
	KGML	200-6D-RP										2.00	0.20	20.0	1.70	-	6.0			
		200-15D-RP										2.00	0.20	20.0	1.70	-	15.0			
		300-6D-RP										3.00	0.20	20.0	2.30	-	6.0			
		300-15D-RP										3.00	0.20	20.0	2.30	-	15.0			
		400-4D-RP										4.00	0.20	20.0	3.30	-	4.0			
		400-15D-RP										4.00	0.20	20.0	3.30	-	15.0			
	KRMN	200-C	●	●	●	●	●					2.00	1.00	20.0	1.70	-	-			
		300-C	●	●		●	●		●	●		3.00	1.50	20.0	2.20	-	-			
		400-C	●	●	●	●	●		●	●		4.00	2.00	20.0	3.20	-	-			
		500-C	●	●	●	●	●		●	●		5.00	2.50	25.0	4.00	-	-			
		600-C	●	●	●	●	●					6.00	3.00	25.0	5.00	-	-			
		800-C	●	●	●		●					8.00	4.00	30.0	6.00	-	-			
	KRGN	300-A								●		3.00	1.50	20.0	2.20	-	-			
		400-A									●		4.00	2.00	20.0	3.20	-		-	
		500-A										●		5.00	2.50	25.0	4.10		-	-
		600-A										●		6.00	3.00	25.0	5.10		-	-
		800-A											8.00	4.00	30.0	6.10	-		-	
	KRGN	300-CM								●	●	3.00	1.50	20.0	2.20	-	-			
		400-CM									●	●	4.00	2.00	20.0	3.20	-		-	
		500-CM										●	●	5.00	2.50	25.0	4.00		-	-
	KRMI	200-C										2.00	1.00	20.0	1.70	-	-			
		300-C										3.00	1.50	20.0	2.20	-	-			
		400-C										4.00	2.00	20.0	3.20	-	-			

●: Stock item

KGEHR/L



KGMN KGGN
KRMN KRGN KGMR/L



(mm)

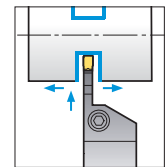
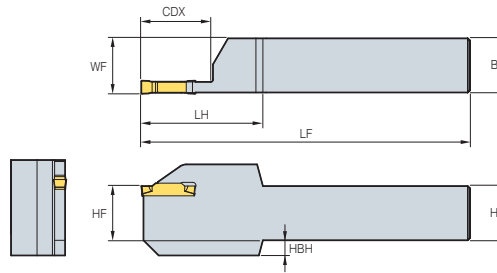
Designation	Stock		H=HF	B	CDX	WF	LH	LF	HBH	Applicable	Screw	Wrench
	R	L										
KGEHR/L 1616-1.5-T14	●		16	16	14	16.2	33	100	-	KGMN150-□-□	MHA0512	HW40L
2020-1.5-T14	●		20	20	14	20.2	33	125	-			
2525-1.5-T14	●		25	25	14	25.2	33	150	-			
1212-2-T08	●		12	12	8	12.2	33	100	-	KGMN200-□-□ KGGN200-□-□ KRMN200-C KGMR/L200-□-□	MHA0512	HW40L
1616-2-T08	●	●	16	16	8	16.2	33	100	-			
1616-2-T12	●	●	16	16	12	16.2	33	100	-			
1616-2-T17	●	●	16	16	17	16.2	38	100	-			
2020-2-T08	●	●	20	20	8	20.2	33	125	-			
2020-2-T12	●	●	20	20	12	20.2	33	125	-			
2020-2-T17	●	●	20	20	17	20.2	38	125	-			
2525-2-T08	●	●	25	25	8	25.2	33	150	-			
2525-2-T12	●	●	25	25	12	25.2	36	150	-			
2525-2-T17	●	●	25	25	17	25.2	38	150	-			
1616-2.5-T17	●		16	16	17	16.3	38	100	-	KGMN250-□-□	MHA0512	HW40L
2020-2.5-T17	●		20	20	17	20.3	38	125	-			
2525-2.5-T17	●		25	25	17	25.3	38	150	-			
1616-3-T10	●	●	16	16	10	16.4	33	100	-	KGMN300-□-□ KGGN300-□-□ KRMN300-C KRGN300-□ KGMR/L300-□-□	MHA0512	HW40L
1616-3-T13	●	●	16	16	13	16.4	33	100	-			
1616-3-T20	●	●	16	16	20	16.4	41	100	-			
2020-3-T10	●	●	20	20	10	20.4	33	125	-			
2020-3-T13	●	●	20	20	13	20.4	33	125	-			
2020-3-T20	●	●	20	20	20	20.4	41	125	-			
2525-3-T10	●	●	25	25	10	25.4	33	150	-			
2525-3-T13	●	●	25	25	13	25.4	33	150	-			
2525-3-T20	●	●	25	25	20	25.4	41	150	-			
2525-3-T25	●	●	25	25	25	25.4	46	150	-			
3232-3-T10	●		32	32	10	32.4	33	170	-	KGMN400-□-□ KGGN400-□-□ KRMN400-C KRGN400-□ KGMR/L400-□-□	BHA0616	HW50L
3232-3-T20	●		32	32	20	32.4	41	170	-			
1616-4-T10	●	●	16	16	10	16.4	33	100	-			
1616-4-T15	●	●	16	16	15	16.4	36	100	-			
1616-4-T20	●		16	16	20	16.4	41	100	-			
1616-4-T25	●	●	16	16	25	16.4	46	100	-			
2020-4-T10	●	●	20	20	10	20.4	33	125	-			
2020-4-T15	●	●	20	20	15	20.4	36	125	-			
2020-4-T20	●	●	20	20	20	20.4	41	125	-			
2020-4-T25	●	●	20	20	25	20.4	46	125	-			
2525-4-T10	●	●	25	25	10	25.4	33	150	-			
2525-4-T15	●	●	25	25	15	25.4	36	150	-			
2525-4-T20	●	●	25	25	20	25.4	41	150	-			
2525-4-T25	●	●	25	25	25	25.4	46	150	-			
3232-4-T10	●		32	32	10	32.4	33	170	-			
3232-4-T20	●	●	32	32	20	32.4	41	170	-			

● : Stock item

KGEHR/L



KGMN KGGN
KRMN KRGN KGMR/L



• R type holder

(mm)

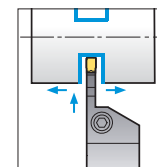
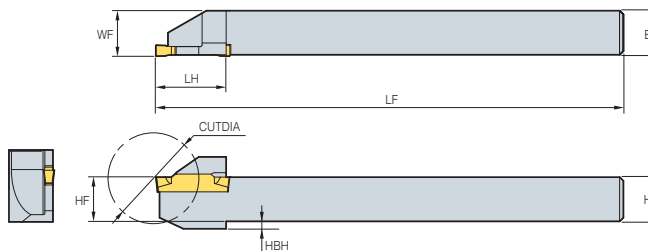
Designation		Stock		H=HF	B	CDX	WF	LH	LF	HBH	Applicable		
		R	L										
KGEHR/L	2020-5-T12	●	●	20	20	12	20.5	37	125	-	KGMN500-□-□ KGGN500-□-□ KRMN500-C KRGN500-□ KGMR-□-□	BHA0616	HW50L
	2020-5-T15	●	●	20	20	15	20.55	40	125	-			
	2020-5-T20	●		20	20	20	20.55	41	125	-			
	2525-5-T12	●	●	25	25	12	25.55	37	150	-			
	2525-5-T15	●		25	25	15	25.55	40	150	-			
	2525-5-T20	●	●	25	25	20	25.55	41.2	150	-			
	3232-5-T15	●		32	32	15	32.55	40	170	-			
	2525-5-T32	●	●	25	25	32	32.55	46	170	7			
	3232-5-T20	●	●	32	32	20	32.55	41	170	-			
	2020-6-T12	●		20	20	12	20.55	37	125	-	KGMN600-□-□ KGGN600-□-□ KRMN600-C KRGN600-□	BHA0616	HW50L
	2020-6-T20	●	●	20	20	20	20.55	41	125	-			
	2525-6-T12	●	●	25	25	12	25.55	37	150	-			
	2525-6-T15	●		25	25	15	25.55	40	150	-			
	2525-6-T20	●	●	25	25	20	25.55	41	150	-			
	2525-6-T32	●	●	25	25	32	25.55	53	150	7			
	3232-6-T15	●		32	32	15	32.55	40	170	-			
	3232-6-T20	●		32	32	20	32.55	41	170	-			
	2525-8-T16	●	●	25	25	16	26.05	46	150	-			
2525-8-T25	●	●	25	25	25	26.05	46	150	-				
3232-8-T16	●		32	32	16	33.05	40	170	-				
2525-8-T36	●		25	25	36	33.05	58	170	7	BHA0620			
3232-8-T25	●		32	32	25	33.05	46	170	-				
3232-8-T36	●	●	32	32	36	33.05	58	170	-				

● : Stock item

KGEHR/L-D00A (Auto Tool)



KGMN KGGN
KRMN KRGN KGMR/L



• R type holder

(mm)

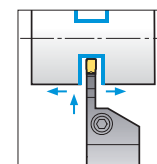
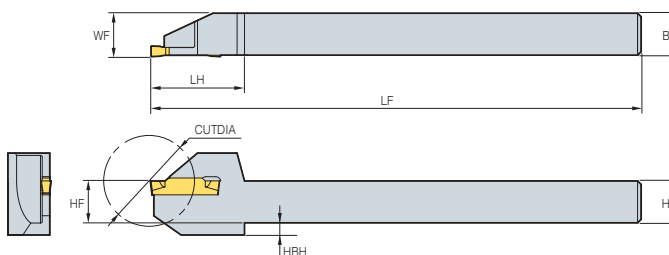
Designation		Stock		H=HF	B	CUTDIA	WF	LH	LF	HBH	Applicable	Screw	Wrench
		R	L										
KGEHR/L	1010-2-D20A	●	●	10	10	20	10.2	19	125	2	KGMN200-□-□ KGGN200-□-□ KRMN200-C KRGN200-□ KGMR/L200-□-□	ETNA0412	TW15L
	1212-2-D25A	●	●	12	12	25	12.2	19	125	2			
	1414-2-D25A	●	●	14	14	25	14.2	19	125	-			
	1616-2-D32A	●	●	16	16	32	16.2	25	125	-			
	1212-3-D25A	●	●	12	12	25	12.4	19	125	2			
	1616-3-D32A	●	●	16	16	32	16.4	25	125	-			

●: Stock item

KGEHR/L-D00B (Auto Tool)



KGMN KGGN
KRMN KRGN KGMR/L



• R type holder

(mm)

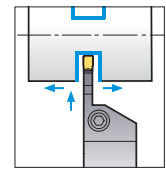
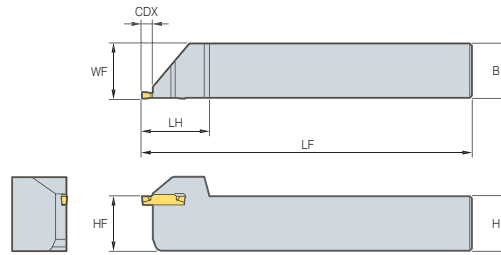
Designation		Stock		H=HF	B	CUTDIA	WF	LH	LF	HBH	Applicable	Screw	Wrench
		R	L										
KGEHR/L	1010-2-D30B	●	●	10	10	30	10.2	29.6	140	6.6	KGMN200-□-□ KGGN200-□-□ KRMN200-C KRGN200-□ KGMR/L200-□-□	MHA0512	HW40L
	1212-2-D25B	●	●	12	12	25	12.2	27.1	140	3.5			
	1212-2-D30B	●	●	12	12	30	12.2	29.6	140	3.5			
	1616-2-D25B			16	16	25	16.2	27.1	140	-			
	1616-2-D32B	●		16	16	32	16.2	30.6	140	-			
	1212-3-D25B	●	●	12	12	25	12.4	27.1	140	3.5			
	1212-3-D32B	●	●	12	12	32	12.4	30.6	140	3.5			
	1616-3-D25B			16	16	25	16.4	26.96	140	-			
	1616-3-D32B	●	●	16	16	32	16.4	27.1	140	-			

●: Stock item

KGEHR/L-T00



KGMN KGGN
KRMN KRGN



• R type holder

(mm)

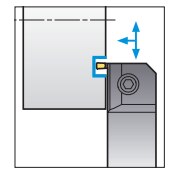
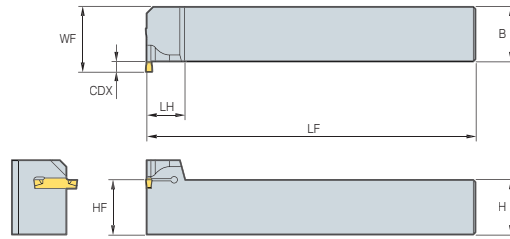
Designation		Stock		H=HF	B	CDX	WF	LH	LF	Applicable	Screw	Wrench
		R	L									
KGEHR/L	1616-3-T00			16	16	4.8	16.4	31	100	KGMN300-□-□ KGGN300-□-□ KRMN300-C KRGN300-□	MHA0512	HW40L
	2020-3-T00			20	20	4.8	20.4	31	125			
	2525-3-T00	●	●	25	25	4.8	25.4	31	150			
	1616-4-T00	●		16	16	4.8	16.4	31	100	KGMN400-□-□ KGGN400-□-□ KRMN400-C KRGN400-□	BHA0616	HW50L
	2020-4-T00	●		20	20	4.8	20.4	31	125			
	2525-4-T00	●	●	25	25	4.8	25.4	31	150			
	2020-6-T00	●		20	20	6	20.55	36	125	KGMN600-□-□ KGGN600-□-□ KRMN600-C KRGN600-□	BHA0616	HW50L
	2525-6-T00			25	25	6	25.55	36.5	150			

●: Stock item

KGEVR/L-T00



KG MN KGGN
KR MN KRG N



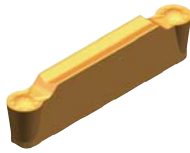
• R type holder

(mm)

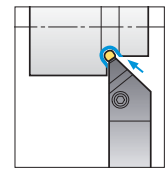
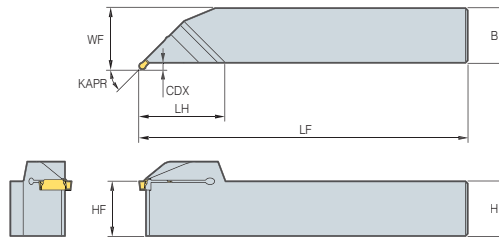
Designation		Stock		H=HF	B	CDX	WF	LH	LF	Applicable	Screw	Wrench
		R	L									
KGEVR/L	2020-1.5 -T00	●		20	20	3	24	18	125	KGMN150-□-□	MHA0512	HW40L
	2525-1.5 -T00	●		25	25	3	29	18	150			
	3232-1.5 -T00	●		32	32	3	36	22	170			
	2020-2 -T00	●		20	20	3	24	17.75	125	KGMN200-□-□ KGGN200-□-□ KRMN200-C	MHA0512	HW40L
	2525-2 -T00	●		25	25	3	29	17.75	150			
	3232-2 -T00			32	32	3	36	21.75	170			
	2020-2.5 -T00	●		20	20	4	25	18	125	KGMN250-□-□	MHA0512	HW40L
	2525-2.5 -T00	●		25	25	4	30	18	150			
	3232-2.5 -T00	●		32	32	4	37	21.75	170			
	2020-3-T00	●		20	20	4.8	25	18	125	KGMN300-□-□ KGGN300-□-□ KRMN300-C KRG N300-□	MHA0512	HW40L
	2525-3-T00	●		25	25	4.8	30	18	150			
	3232-3 -T00	●		32	32	4.8	37	22	170			
	2020-4-T00	●		20	20	4.8	25	19.6	125	KGMN400-□-□ KGGN400-□-□ KRMN400-C KRG N400-□	BHA0616	HW50L
	2525-4-T00	●		25	25	4.8	30	19.6	150			
	3232-4 -T00	●		32	32	4.8	37	22	170			
	2020-5 -T00			20	20	6	29.5	20	125	KGMN500-□-□ KGGN500-□-□ KRMN500-C KRG N500-□	BHA0616	HW50L
	2525-5 -T00	●		25	25	6	31.5	20	150			
	3232-5 -T00	●		32	32	6	38.5	24	170			
	2020-6 -T00			20	20	6	26.5	22	125	KGMN600-□-□ KGGN600-□-□ KRMN600-C KRG N600-□	BHA0616	HW50L
	2525-6-T00	●		25	25	6	31.5	22	150			
	3232-6 -T00	●		32	32	6	38.5	22	170			
	2525-8 -T00	●		25	25	8	33.5	24	150	KGMN800-□-□ KGGN800-□-□ KRMN800-C KRG N800-□	BHA0616	HW50L
	3232-8 -T00	●		32	32	8	40.5	24	170			

● : Stock item

KGEUR/L



KRMN KRGN



• R type holder

(mm)

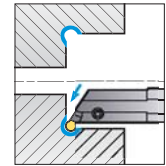
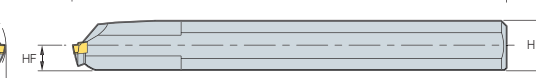
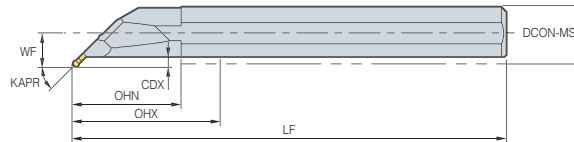
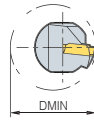
Designation		Stock		H=HF	B	CDX	WF	LH	LF	Applicable	Screw	Wrench
		R	L									
KGEUR/L	1616-3			16	16	2.8	19	39.43	100	KRMN300-C KRGN300-□	MHA0512	HW40L
	2020-3	●		20	20	2.8	23	39.43	125			
	2525-3	●		25	25	2.8	28	39.43	150			
	3232-3	●		32	32	2.8	35	46.5	170			
	1616-4			16	16	2.8	19	42.25	100	KRMN400-C KRGN400-□	BHA0616	HW50L
	2020-4			20	20	2.8	23	42.25	125			
	2525-4	●		25	25	2.8	28	42.25	150			
	3232-4	●		32	32	2.8	35	46.5	170			
	2020-5			20	20	3.3	23.5	47.41	125	KRMN500-C KRGN500-□	BHA0616	HW50L
	2525-5	●		25	25	3.3	28.5	48.83	150			
	3232-5			32	32	3.3	35.5	53.07	170			
	2020-6	●		20	20	3.3	23.5	47.41	125	KRMN600-C KRGN600-□	BHA0616	HW50L
	2525-6	●		25	25	3.3	28.5	47.41	150			
	3232-6	●		32	32	3.3	35.5	53.07	170			
	2525-8	●		25	25	3.3	30	51.57	150	KRMN800-C KRGN800-□	BHA0616	HW50L
	3232-8	●		32	32	3.3	37	51.57	170			

● : Stock item

KGIUR/L



KRMN KRGN



• R type holder

(mm)

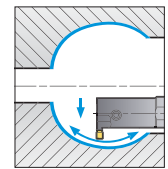
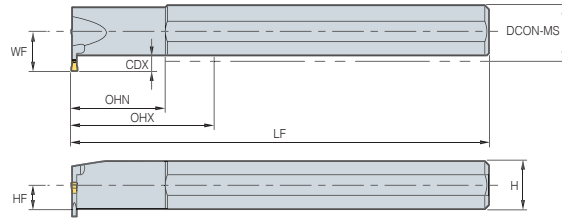
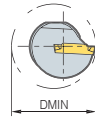
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		R	L											
KGIUR/L	3520-3			35	20	9	18	3.5	13	45	150	KRMN300-C KRGN300-□	MHA0512	HW40L
	4025-3	●		40	25	11.5	23	3.5	15.5	50	200			
	5032-3	●		50	32	15	30	3.5	19	65	250			
	3520-4			35	20	9	18	3.5	13	45	150	KRMN400-C KRGN400-□	MHA0512	HW40L
	4025-4			40	25	11.5	23	3.5	15.5	50	200			
	5032-4	●		50	32	15	30	3.5	19	65	250			
	4025-5	●		40	25	11.5	23	3.5	15.5	50	200	KRMN500-C KRGN500-□	MHA0512	HW40L
	5032-5	●		50	32	15	30	3.5	19	65	250			
	4025-6	●		40	25	11.5	23	3.5	15.5	50	200	KRMN600-C KRGN600-□	MHA0512	HW40L
	5032-6			50	32	15	30	3.5	19	65	250			
	4025-8			40	25	11.5	23	6.5	18.5	50	200	KRMN800-C KRGN800-□	MHA0512	HW40L
	5032-8	●		50	32	15	30	6.5	22	65	250			

●: Stock item

KGIVR/L



KG MN KGGN KRMN
KRG N KGMI KRMI



• R type holder

(mm)

Designation	Stock		DMIN	DCON-MS	HF	H	CDX	WF	OHN	LF	Applicable	Screw	Wrench
	R	L											
KGIVR/L	2016-1.5	●	20	16	7.5	15	4	12	35	125	KGMN150-□-□	MHB0410	HW30L
	2520-1.5	●	25	20	9.0	18	6	15.5	45	150		MHA0512	HW40L
	3225-1.5	●	32	25	11.5	23	7	19	45	200			
	2516-2	●	25	16	7.5	15	6.5	14	35	125	KGMN200-□-T KRMI200-C	MHB0410	HW30L
	2520-2	●	25	20	9.0	18	6.5	15	45	150		MHA0512	HW40L
	3225-2	●	32	25	11.5	23	7	19	45	200			
	2516-2.5	●	25	16	11.25	15	6.5	14	35	125	KGMN250-□-□	MHB0410	HW30L
	2520-2.5	●	25	20	9.0	18	6.5	15.5	45	150		MHA0512	HW40L
	3225-2.5	●	32	25	11.5	23	7	19	45	200			
	2520-3	●	25	20	9.0	18	6.5	15.5	45	150	KGMN300-□-T KRMI300-C	MHB0410	HW30L
	3225-3	●	32	25	11.5	23	6.5	19	45	200		MHA0512	HW40L
	4032-3	●	40	32	15.0	30	7	22.5	55	250		BHA0616	HW50L
	2520-4	●	25	20	9.0	18	6.5	15.5	45	150	KGMN400-□-T KRMI400-C	MHB0410	HW30L
	3225-4	●	32	25	11.5	23	7	19	45	200		MHA0512	HW40L
	4032-4	●	40	32	15.0	30	7.5	22.5	55	250		BHA0616	HW50L
	3225-5	●	32	25	11.5	23	7.5	19.5	45	200	KGMN500-□-□ KGGN500-□-□ KRMN500-C KRG N500-□	MHA0512	HW40L
	4032-5	●	40	32	15.0	30	8.5	23.5	55	250		BHA0616	HW50L
	3225-6	●	32	25	11.5	23	19.5	19.5	45	200	KGMN600-□-□ KGGN600-□-□ KRMN600-C KRG N600-□	MHA0512	HW40L
	4032-6	●	40	32	15.0	30	23.5	23.5	55	250		BHA0616	HW50L
	4032-8	●	40	32	15.0	30	23.5	23.5	55	250	KGMN800-□-□ KGGN800-□-□ KRMN800-C KRG N800-□-R	BHA0616	HW50L
	4540-8	●	45	40	18.5	37	26.5	26.5	70	300		BHA0820	HW50L

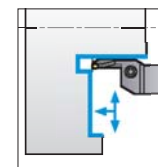
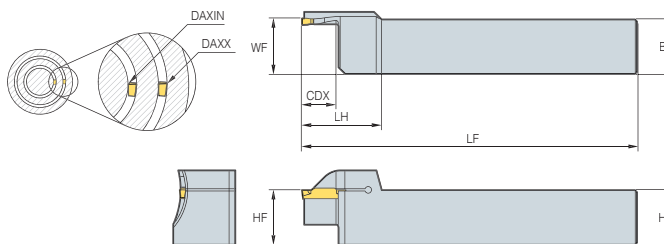
※ In case of using external insert instead of internal insert, please check the available insert for each item.

● : Stock item

KGFR/L



KG MN KGGN
KR MN KRGN



• R type holder

(mm)

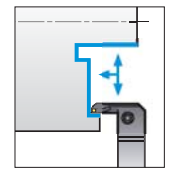
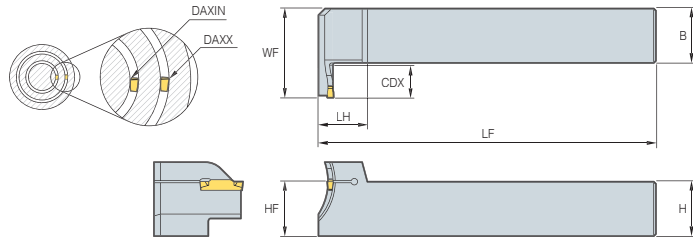
Designation	Stock		H=HF	B	CDX	WF	LH	LF	DAXIN	DAXX	Applicable	Screw	Wrench
	R	L											
KGFR/L 320-34/50-T10	●		20	20	10	20.5	33	150	34	50	KGMN300-□-□ KGGN300-□-□ KRMN300-C KRGN300-□	MHA0512	HW40L
320-44/70-T15	●		20	20	15	20.5	36	150	44	70			
320-64/100-T15	●		20	20	15	20.5	36	150	64	100			
325-34/50-T10	●		25	25	10	25.6	33	150	34	50			
325-44/70-T15	●		25	25	15	25.6	36	150	44	70			
325-64/100-T15	●		25	25	15	25.6	36	150	64	100			
420-34/50-T16	●		20	20	16	20.5	40	150	34	50	KGMN400-□-□ KGGN400-□-□ KRMN400-C KRGN400-□	BHA0616	HW50L
420-42/70-T16	●		20	20	16	20.5	40	150	42	70			
420-62/120-T16	●		20	20	16	20.5	40	150	62	120			
420-112/200-T16	●		20	20	16	20.5	40	150	112	200			
425-34/50-T20	●		25	25	20	25.6	41	150	34	50			
425-40/60-T10	●		25	25	10	25.6	33	150	40	60			
425-44/70-T20	●		25	25	20	25.6	39	150	44	70			
425-60/120-T20	●	●	25	25	15	25.6	39	150	60	120			
425-84/92-T20	●		25	25	20	25.6	39	150	84	92			
425-112/200-T20	●	●	25	25	20	25.6	39	150	112	200			
425-200-T20	●		25	25	20	25.6	41	150	200	-			
525-50/80-T15	●		25	25	15	25.6	38	150	50	80	KGMN500-□-□ KGGN500-□-□ KRMN500-C KRGN500-□	BHA0616	HW50L
525-50/80-T25	●		25	25	25	25.6	44	150	50	80			
525-70/110-T15	●		25	25	15	25.6	38	150	70	110			
525-70/110-T25	●		25	25	25	25.6	44	150	70	110			
525-100/150-T25	●		25	25	25	25.6	44	150	100	150			
525-140/200-T25	●		25	25	25	25.6	44	150	140	200			
525-190/220-T10	●		25	25	10	25.6	37	150	190	220			
525-200-T25	●		25	25	25	25.6	44	150	200	-			
625-170/190-T10	●		25	25	10	25.6	37	150	170	190	KGMN600-□-□ KGGN600-□-□ KRMN600-C KRGN600-□	BHA0616	HW50L
625-190/220-T10	●		25	25	10	25.6	37	150	190	220			

● : Stock item

KGFVR/L



KG MN KGGN
KR MN KRGN



• R type holder

(mm)

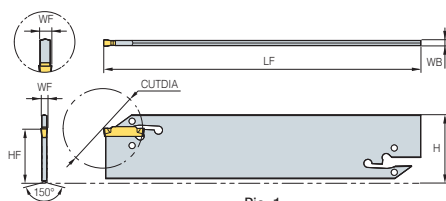
Designation	Stock		H=HF	B	CDX	WF	LH	LF	DAXIN	DAXX	Applicable	Screw	Wrench
	R	L											
KGFVR/L 325-34/50-T10	●		25	25	10	36	18.5	150	34	50	KGMN300-□-□ KGGN300-□-□ KRMN300-C KRGN300-□	MHA0512	HW40L
325-44/60-T15	●		25	25	15	41	18.5	150	44	60			
325-54/85-T15	●		25	25	15	41	18.5	150	54	85			
425-32/50-T15	●		25	25	15	41	18.5	150	32	50	KGMN400-□-□ KGGN400-□-□ KRMN400-C KRGN400-□	BHA0616	HW50L
425-42/60-T15	●		25	25	15	41	18.5	150	42	60			
425-44/70-T20	●		25	25	20	46	18.5	150	44	70			
425-52/85-T15	●		25	25	10	35.5	18.5	150	52	85			
425-60/120-T20	●		25	25	20	46	18.5	150	60	120			
425-112/200-T20	●		25	25	20	46	18.5	150	112	200	KGMN500-□-□ KGGN500-□-□ KRMN500-C KRGN500-□	BHA0616	HW50L
525-50/80-T20	●		25	25	20	46	22	150	50	80			
525-70/110-T20	●		25	25	20	46	22	150	70	110			
525-100/150-T20	●		25	25	20	46	22	150	100	150			
525-140/200-T20	●		25	25	20	46	22	150	140	200			
525-200-T20	●		25	25	20	46	22	150	200	-	KGMN600-□-□ KGGN600-□-□ KRMN600-C KRGN600-□	BHA0616	HW50L
625-48/85-T20			25	25	20	46	22	150	48	85			
625-73/150-T20	●		25	25	20	46	22	150	73	150			
625-138/250-T20	●		25	25	20	46	22	150	138	250			
625-250-T20	●		25	25	20	46	22	150	250	-			

● : Stock item

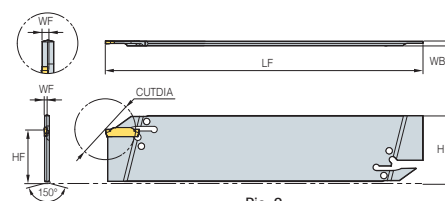
KGTB (Blade)



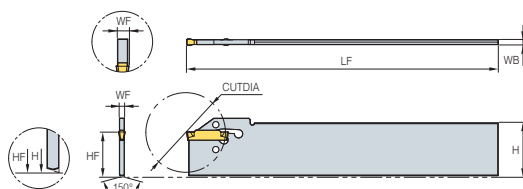
KGMN KGGN



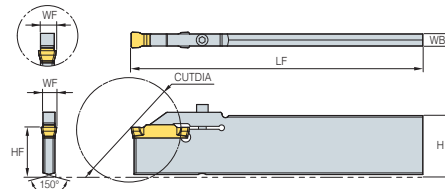
Pic. 1



Pic. 2



Pic. 3



Pic. 4

(mm)

Designation	Stock	HF	H	WB	CUT DIA ⁽²⁾	CUT DIA ⁽³⁾	WF	LF	Applicable	Wrench	Pic.
KGTB 1526S		21	26	2.4	-	26	1.3	151	KG□□150-□-□	EW1203 (Separately ordered)	4
1532	●	25	32	2.4	-	26	1.3	151			1
2026S		21	26	2.4	50	39	1.9	151	KG□□200-□-□		4
2032	●	25	32	2.4	50	39	1.9	151	KG□□200S-□-R ⁽⁴⁾		1
3026S	●	21	26	2.4	100	39	2.7	151	KG□□300-□-□		4
3032	●	25	32	2.4	100	39	2.7	151	KG□□300S-□-R ⁽⁴⁾		2
4026S		21	26	3.2	100	39	3.6	151	KG□□400-□-□		4
4032	●	25	32	3.2	100	39	3.6	151	KG□□400S-□-R ⁽⁴⁾		2
5032	●	25	32	4	120	49	4.5	151	KG□□500-□-□		2
6032	●	25	32	5.2	120	49	5.6	151	KG□□600-□-□		2
8032S⁽¹⁾	●	25	32	6.5	80	59	7.1	151.5	KG□□800-□-□	HW30L	3
									KG□□800S-□-R ⁽⁴⁾		

(1) Screw clamping (2) 1 corner use (3) 2 corner use (4) 1 corner insert

●: Stock item

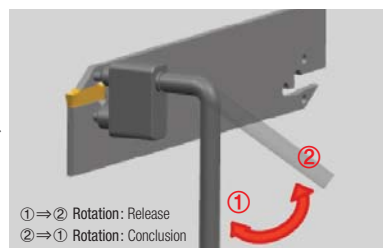
How to clamp insert



① Insert the pin of wrench into the hole of blade.



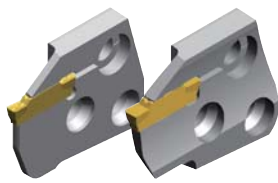
② Clamp the insert on its seat after turning the handle to 45°~160° for loosening the seat.



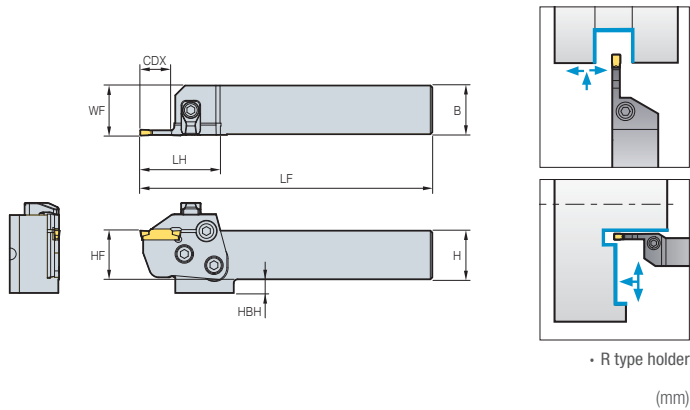
①⇒② Rotation: Release
②⇒① Rotation: Conclusion

③ Finish clamp by removing the wrench after moving it back to its original state.

MCHR/L (Cartridge)



KCER/L KCFR/L



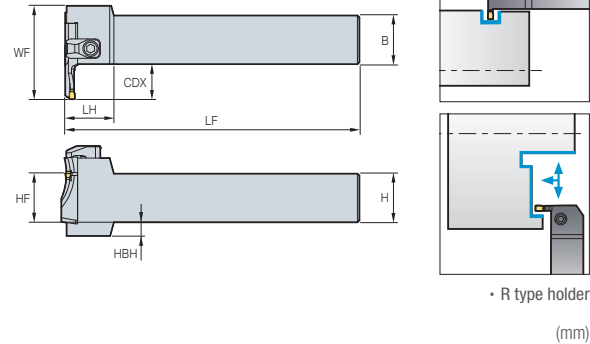
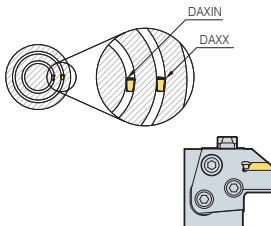
Designation		Stock		H = HF	B	WF	LH	LF	HBH	Applicable cartridge	Clamp	Clamp screw	Hinge screw	Clamping Screw	Wrench
		R	L												
MCHR/L	2020	●	●	20	20	20.7	30	133	12	KCER/L KCFR/L	CXH8N	DHA0818F	RHA0613	FHGA0618	HW40L
	2525	●	●	25	25	25.7	30	133	7						
	3232	●	●	32	32	32.7	-	153	-						

● : Stock item

MCVR/L (Cartridge)



KCER/L KCFR/L



Designation		Stock		H = HF	B	WF	LH	LF	HBH	Applicable cartridge	Clamp	Clamp screw	Hinge screw	Clamping Screw	Wrench
		R	L												
MCVR/L	2020	●	●	20	20	38	30	150	12	KCER/L KCFR/L	CXH8N	DHA0818F	RHA0613	FHGA0618	HW40L
	2525	●	●	25	25	43	30	150	7						
	3232	●	●	32	32	50	-	170	-						

● : Stock item

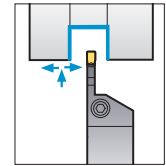
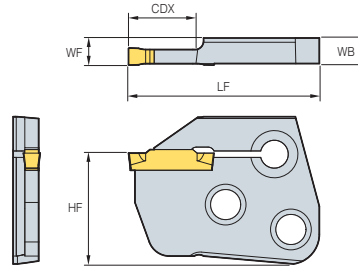
Cartridge selection guide

	Horizontal type		Vertical type	
Applicable cartridge	MCHR • External : KCER • Facing : KCFL	MCHL • External : KCEL • Facing : KCFR	MCVR • External : KCEL • Facing : KCFR	MCVL • External : KCER • Facing : KCFL

KCER/L (Cartridge)



KGMN KGGN
KRMN KRGN KGMR/L



• R type holder

(mm)

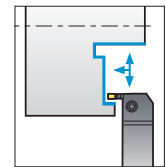
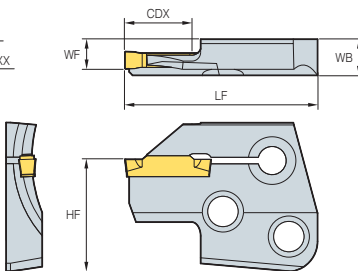
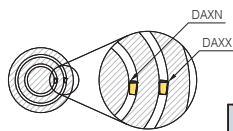
Designation	Stock		HF	CDX	WF	WB	LF	CW	Applicable	Applicable holder
	R	L								
KCER/L	3-T16		25.83	16	6.35	5.97	44.5	3	KGMN KGGN KRMN KRGN KGMR/L	MCHR/L MCVR/L
	4-T16		25.83	16	6.35	5.97	44.5	4		
	5-T20		25.83	20	6.35	5.87	48.5	5		
	6-T20		25.83	20	6.35	5.82	48.5	6		

● : Stock item

KCFR/L (Cartridge)



KGMN KGGN
KRMN KRGN



• R type holder

(mm)

Designation		Stock		HF	CDX	WF	WB	LF	DAXIN	DAXX	Applicable	Applicable holder
		R	L									
KCFR/L	3-34/50-T16	●	●	25.83	16	6.35	8.35	44.5	34	50	KGMN300-□-□	MCHR/L MCVR/L
	3-44/70-T16	●	●	25.83	16	6.35	8.35	44.5	44	70	KGGN300-□-□	
	3-64/99-T16	●	●	25.83	16	6.35	8.35	44.5	64	99	KRMN300-C	
	4-44/60-T16	●	●	25.83	16	6.35	8.35	44.5	44	60	KRGN300-CM	
	4-60/120-T16	●	●	25.83	16	6.35	8.35	44.5	60	120	KGMN400-□-□	
	4-112/200-T16	●	●	25.83	16	6.35	8.35	44.5	112	200	KGGN400-□-□	
											KRMN400-C	
											KRGN400-□	

● : Stock item

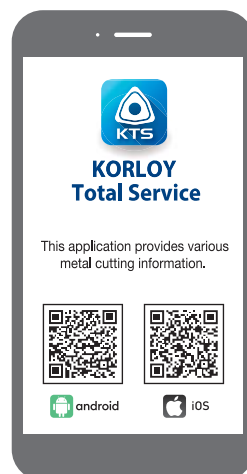
For the safe metalcutting

- Use safety supplies such as protective gloves to prevent possible injury while touching the edge of tools.
- Use safety glasses or safety cover to hedge possible dangers. Inappropriate usage or excessive cutting condition may lead tool's breakage or even the fragment's scattering.
- Clamp the workpiece tightly enough to prevent its movement while its machining.
- Properly manage the tool change phase because the inordinately used tool can be easily broken under the excessive cutting load or severe wear, and it may threat the operator's safety.
- Use safety cover because chips evacuated during cutting are hot and sharp and may cause burns and cuts. To remove chips safely, stop machining, put on protective gloves, and use a hook or other tools.
- Prepare for fire prevention measures as the use of the non-water soluble cutting oil may cause fire.
- Use safety cover and other safety supplies because the spare parts or the inserts can be pulled out due to centrifugal force while high speed machining.



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