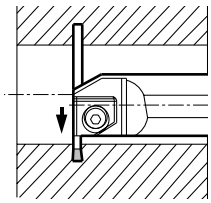
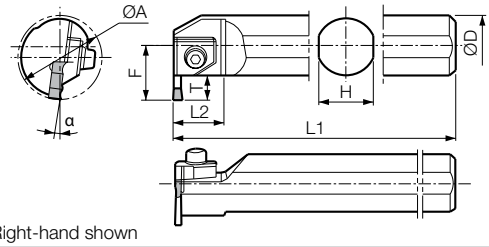
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KIGH





• Right-hand shown

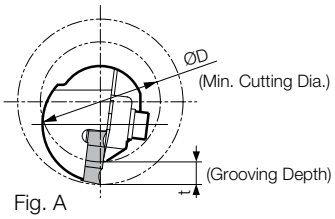


Fig. A

Toolholder Dimensions

Part Number		Stock	Min. Bore Dia.	Dimensions (mm)						Spare Parts				
										Clamp	Clamp Bolt	Washer	Spring	Wrench
			ØA	ØD	H	L1	L2	F	T					
KIGHR	4532B-4	○	45	32	30	200	27	28.2	12	CGH-1L	HH6X25	W-6	SP-6	LW-5
	5540B-4	○	55	40	38	250	27	32.3	12					
	6550B-4	○	65	50	48	300	27	37.3	12					
	4532B-5	○	45	32	30	200	27	28.2	12	CGH-1L	HH6X25	W-6	SP-6	LW-5
	5540B-5	○	55	40	38	250	27	32.3	12					
	6550B-5	○	65	50	48	300	27	37.3	12					
	5540B-7	○	55	40	38	250	27	32.3	12	CGH-2L	HH6X25	W-6	SP-6	LW-5
	6550B-7	○	65	50	48	300	27	37.3	12					

• Dimension T shows the distance from the Toolholder to the cutting edge. For the available Grooving Depth (t), ref. to "List of Min. Available Cutting Diameter and Groove Depth".
• Dimension L2 depends on the width of the installed Insert.

Rake Angle (α) after Installment of GH / GHU

GH○○○○-○○		GHU○○-○○	
α (°)	Insert Grade	α (°)	Insert Grade
-5°	A65, A66N, PT600M	+5°	TN60 CR9025
+5°	TC40		
+15°	TN90, TC60M PR930 KW10		

List of the Min. Cutting Diameter and Grooving Depth (Refer to Fig.A)

Part Number		ØD (Min. Cutting Dia.)					
KIGHR	4532B-○	Ø110	Ø70	Ø65	Ø60	Ø55	Ø45
	5540B-○	Ø70	Ø60	Ø55			
	6550B-○	Ø65					
Available Grooving Depth t (mm)		12.0	11.5	11.0	10.0	9.0	under 8.0

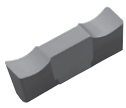
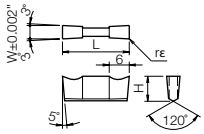
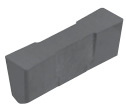
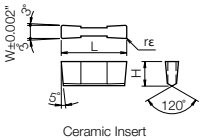
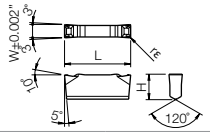
Applicable Inserts

(mm)

Part Number	L	H
GH4020-○○~GH8020-○○	20	7.5
GHU○○-○○	20	

P	Carbon Steel / Alloy Steel						●						
M	Stainless Steel						●						
K	Cast Iron							●	○		●		
N	Non-ferrous Metals							●					
S	Titanium Alloy							●					
H	Hard materials (≤40HRC)						●						
	Hard materials (≥40HRC)										○	●	

Classification of Usage
● : Light Interruption / 1st Choice
◔ : Light Interruption / 2nd Choice
● : Continuous / 1st Choice
○ : Continuous / 2nd Choice

Insert			Part Number		Dimensions (mm)		Cermet				CVD Coated Carbide	PVD Coated Carbide	Carbide	Ceramic			Applicable Toolholders
					W	rε	TN60	TN90	TC40	TC60	CR9025	PR930	KW10	A65	A66N	PT600M	
 Ground Chipbreaker			GH	4020-02	4.0	0.20		○	○	○		○	○				KIGHR4532B-4 KIGHR5540B-4 KIGHR6550B-4
				4020-05	4.0	0.50		○	○	○		○	○	○	○	○	
				4520-02	4.5	0.20			○								
				4520-05	4.5	0.50			○								
				5020-02	5.0	0.20		○	○	○		○	○				KIGHR4532B-5 KIGHR5540B-5 KIGHR6550B-5
				5020-05	5.0	0.50		○	○	○		○	○	○	○	○	
				5520-02	5.5	0.20			○								
				5520-05	5.5	0.50			○								
				6020-02	6.0	0.20		○	○	○		○	○				
 Ceramic	 Ceramic Insert			6020-05	6.0	0.50		○	○	○		○	○	○		○	
				6520-02	6.5	0.20			○								
				6520-05	6.5	0.50			○								
				7020-02	7.0	0.20		○	○	○		○	○				KIGHR5540B-7 KIGHR6550B-7
				7020-05	7.0	0.50		○	○	○		○	○	○		○	
				7520-02	7.5	0.20			○								
				7520-05	7.5	0.50			○								
				8020-02	8.0	0.20		○	○	○		○	○				
				8020-05	8.0	0.50		○	○	○		○	○				
 Molded Chipbreaker			GHU	40-20	4.0	0.25	○				○						KIGHR…○○○○B-4
				50-20	5.0	0.30	○				○						KIGHR…○○○○B-5
				60-20	6.0	0.30	○				○						

Recommended Cutting Conditions ➡ **G125**

Inserts are sold in 10 piece boxes.

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● : U.S. Stock Standard
○ : World Express (Shipping: 7-10 Business Days)