
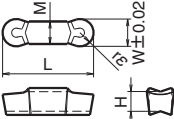

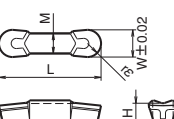

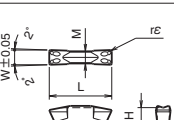

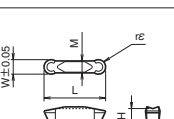

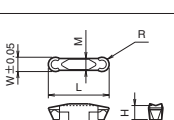

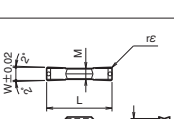


**GMM / GMGA / FGG**







Classification of usage	P	Carbon Steel / Alloy Steel						
	M	Stainless Steel				☺	☹	
K	Cast Iron							●
N	Non-ferrous Metals							●
S	Titanium Alloy							●
H	Hard materials (under 40HRC)						○	●
	Hard materials (over 40HRC)							○

● : Continuous-Light Interruption / 1st Choice  
 ☺ : Continuous-Light Interruption / 2nd Choice  
 ● : Continuous / 1st Choice  
 ○ : Continuous / 2nd Choice




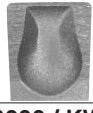


Insert R-hand shown	Description	(Previous Description)	Dimension (mm)					TN90	CR9025 CVD PVD Coated Carbide	PR915	PR930	KW10	Ref. Page for Toolholder
			W	re	M	L	H						
 Sharp-Cutting Oriented / Precision Class Full-R / Copying		GMGA 6020-300R	6.0	3.0	4.3	20	4.3					●	G37
 Sharp-Cutting Oriented / Precision Class Full-R / Copying		GMGA 8030-400R	8.0	4.0	6.0	30	5.5					●	G37 G39
 Chip Control Oriented M Class		-	3.0	0.4	2.3	14	4.3	●	●	●	●	●	
 Chip Control Oriented / M Class Full-R / Copying		-	3.0	1.5	2.3	14	4.3	●	●	●	●	●	G38
 Undercutting Chip Control Oriented		-	3.0	1.5	2.3	14	4.3		□	●	□		
 Face Grooving Chip Control Oriented Precision Class		-	3.0 4.0 5.0	0.2 0.4 0.4	2.3 3.3 4.2	20	4.3	● ● ●	● ● ●	● ● ●	● ● ●		G38

For recommended cutting conditions, see page [G91-G93](#)

**Multi-Function Tool CERACUT Plunge & Turn Chipbreakers**

Series	Shape	Features
GMM-MW		Excellent chip evacuation at Grooving, Longitudinal turning, Cut-Off.
GMG-MG		Low cutting force with ground chipbreaker.
GMG-MS GMM-MS		Grooving / Longitudinal turning / Cut-Off operations are minimum cutting force at Positive Edge.
GMM-MT		Small corner-R(re) and minimize the core which remains in the center of the face.
GMM-TK		Large corner-R(re) and stable performance at cut off.
GMM-NB		Flat rake face and non-chipbreaker. It works well for brass.

◆ Edge Preparation

Edge Preparation	Chamfer + R-honed Corner-R(re) = 0.05	Chamfer + R-honed Sharp Corner
		
MT Chipbreaker.	<b>CR9025 / PR915</b>	<b>PR930 / KW10</b>
Edge Preparation	Chamfer + R-honed Corner-R(re) = 0.2-0.3	Sharp Edge Corner-R(re) = 0.2-0.3
		
TK Chipbreaker	<b>CR9025 / PR915</b>	<b>PR930 / KW10</b>
Edge Preparation	R Honing Corner-R(re) = 0.05	Sharp Edge Sharp Corner
		
Without Chipbreaker (-NB)	<b>CR9025</b>	<b>PR930 / KW10</b>

\* Sharp Edge Spec. can reduce cutting resistance 40% less than that of chamfer edge.

● : Std. Item □ : Check Availability R : Std. Item (R-hand Only) L : Std. Item (L-hand Only)

Inserts are sold in 10 piece boxes.