

<80 degree Rhombic Positive type>

Item Number	IC	T	Relief angle
CC_0602	6.35	2.38	7°
CC_09T3	9.525	3.97	7°

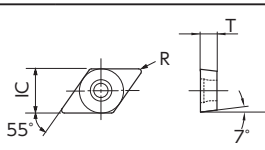
Shape	ISO Item Number	Inch Item Number	R	Carbide										Chip Control Range	For applicable holder, see pages:		
				PVD Coated						CVD Coated							
				ST4	ZM3	QM3	VM1	TM4	DT4	DM4	CP1	CP7	KM1				
				Steel	P	●	●	●	●	●	●	●	●	●	●	●	● : 1st Choice ● : 2nd choice
				Stainless Steel	M	●	●	●	●	●	●	●	●	●	●		
				Cast Iron	K	●	●	●	●	●	●	●	●	●	●		
				Non-Ferrous Material	N	●	●	●	●	●	●	●	●	●	●		
				Heat Resistant Alloy	S	●	●	●	●	●	●	●	●	●	●		
				Hardened Material	H	●	●	●	●	●	●	●	●	●	●		
 AM3	CCGT 060200 FN AM3		0.03				●	●	●								
	060202 FN AM3		0.2		●		●										
	060204 FN AM3		0.4		●												
	060201M FN AM3		*0.08	●		●		●	●								
	060202M FN AM3		*0.18	●		●		●	●								
	060204M FN AM3		*0.38	●		●		●	●								
	CCGT 09T300 FN AM3		0.03				●	●	●								
	09T302 FN AM3		0.2				●	●	●								
	09T304 FN AM3		0.4				●	●	●								
	09T301M FN AM3		*0.08	●	●	●	●	●	●								
	09T302M FN AM3		*0.18	●	●	●	●	●	●								
	09T304M FN AM3		*0.38	●	●	●	●	●	●								
 AZ7	CCGT 060200 AZ7		0.03			●											
	060201M AZ7		*0.08			●											
	060202M AZ7		*0.18			●											
	CCGT 09T300 AZ7		0.03		●	●	●	●									
	09T301M AZ7		*0.08		●	●	●	●									
	09T302M AZ7		*0.18		●	●	●	●									
	09T304M AZ7		*0.38		●	●	●	●									
	 AZ8	CCMT 060202 ENA AZ8		0.2									●				
		060204 ENB AZ8		0.4									●				
		060208 ENB AZ8		0.8									●				
		CCMT 09T302 ENA AZ8		0.2									●				
		09T304 ENB AZ8		0.4									●				
09T308 ENB AZ8			0.8									●					
 F1 R-hand shown	CCGT 060201 F _{R/L} F1		0.1	R		R		R									
	060202 F _{R/L} F1		0.2	R		R		R									
	060204 F _{R/L} F1		0.4	R		R		R									
	CCGT 09T302 F _{R/L} F1		0.2	R		R		R									
	09T304 F _{R/L} F1		0.4	R		R		R									
 KHG	CCET 0602005 F _{R/L} KHG		0.05			●											
	0602008 F _{R/L} KHG		0.08			●											
	0602018 F _{R/L} KHG		0.18			●											
	060202 F _{R/L} KHG		0.2			●											
	CCET 09T3005 F _{R/L} KHG		0.05			●		R									
	09T3008 F _{R/L} KHG		0.08			●		R									
	09T3018 F _{R/L} KHG		0.18			●		R									
09T302 F _{R/L} KHG		0.2			●		R										

*Inserts having 01M, 02M or 04M as the R code can be used for machining when the component drawing specifies that the radius is less than R=0.1, R=0.2 or R=0.4 respectively.

● : Standard stock ● : New standard stock ■ : Scheduled to be produced by order ★ : Standard stock (Specified)



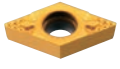



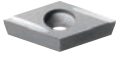
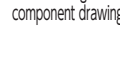
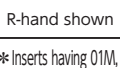
<55 degree Rhombic Positive type>

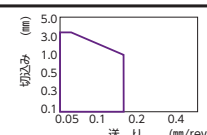
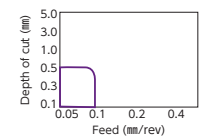
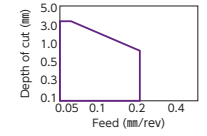
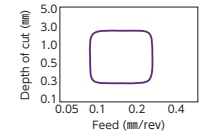
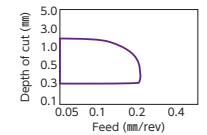
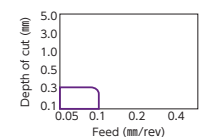
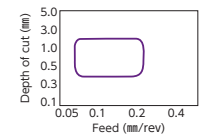
Item Number	IC	T	Relief angle
DC_0702	6.35	2.38	7°
DC_11T3	9.525	3.97	7°



Material	P	M	K	N	S	H
Steel	●	●	●	●	●	●
Stainless Steel	●	●	●	●	●	●
Cast Iron	●	●	●	●	●	●
Non-Ferrous Material	●	●	●	●	●	●
Heat Resistant Alloy	●	●	●	●	●	●
Hardened Material	●	●	●	●	●	●

● : 1st Choice
● : 2nd choice

Shape	ISO Item Number	Inch Item Number	R	Carbide										Chip Control Range	For applicable holder, see pages:		
				PVD Coated						CVD Coated							
				ST4	ZM3	QM3	VM1	TM4	DT4	DM4	CP1	CP7	KM1				
 AM3	DCGT 070200 FN AM3		0.03	●	●	●	●	●	●	●	●	●	●	●			
	070201 FN AM3		0.1	●	●	●	●	●	●	●	●	●	●	●	●		
	070202 FN AM3		0.2	●	●	●	●	●	●	●	●	●	●	●	●		
	070204 FN AM3		0.4	●	●	●	●	●	●	●	●	●	●	●	●		
	070201M FN AM3		*0.08	●	●	●	●	●	●	●	●	●	●	●	●		
	070202M FN AM3		*0.18	●	●	●	●	●	●	●	●	●	●	●	●		
	070204M FN AM3		*0.38	●	●	●	●	●	●	●	●	●	●	●	●		
	DCGT 11T300 FN AM3		0.03	●	●	●	●	●	●	●	●	●	●	●	●		
	11T302 FN AM3		0.2	●	●	●	●	●	●	●	●	●	●	●	●		
	11T304 FN AM3		0.4	●	●	●	●	●	●	●	●	●	●	●	●		
	11T301M FN AM3		*0.08	●	●	●	●	●	●	●	●	●	●	●	●		
	11T302M FN AM3		*0.18	●	●	●	●	●	●	●	●	●	●	●	●		
11T304M FN AM3		*0.38	●	●	●	●	●	●	●	●	●	●	●	●			
 AMX	DCMT 070202 FN AM3		0.2									●					
	070204 FN AM3		0.4									●					
	DCMT 11T302 FN AM3		0.2									●					
	11T304 FN AM3		0.4									●					
 AZ7	DCGT 070201M AMX		*0.08				●	●	●	●							
	070202M AMX		*0.18				●	●	●	●							
	070204M AMX		*0.38				●	●	●	●							
	DCGT 11T301M AMX		*0.08				●	●	●	●							
 AZ8	DCGT 11T302M AMX		*0.18				●	●	●	●							
	11T304M AMX		*0.38				●	●	●	●							
	DCGT 070200 AZ7		0.03		●												
	070201M AZ7		*0.08		●												
	070202M AZ7		*0.18		●												
 AZ8	DCGT 11T300 AZ7		0.03		●			●	●								
	11T301M AZ7		*0.08		●			●	●								
	11T302M AZ7		*0.18		●			●	●								
	11T304M AZ7		*0.38		●			●	●								
	11T308 AZ7		0.8		●			●	●								
 AT	DCMT 070202 ENA AZ8		0.2									●					
	070204 ENB AZ8		0.4									●					
	070208 ENB AZ8		0.8									●					
	DCMT 11T302 ENA AZ8		0.2									●					
	11T304 ENB AZ8		0.4									●					
 AT	DCET 11T301M R _L AT		*0.08						R								
	11T302M R _L AT		*0.18						R								
 KHG	DCET 0702005 R _L KHG		0.05				●										
	0702008 R _L KHG		0.08				●										
	0702018 R _L KHG		0.18				●										
	070202 R _L KHG		0.2				●										
	DCET 11T3005 R _L KHG		0.05				●		R								
	11T3008 R _L KHG		0.08				●		R								
	11T3018 R _L KHG		0.18				●		R								
11T302 R _L KHG		0.2				●		R									
 UHG R-hand shown	DCET 0702008 R _L UHG		0.08						R								
	DCET 11T3008 R _L UHG		0.08						R								



G25
G27

*Inserts having 01M, 02M or 04M as the R code can be used for machining when the component drawing specifies that the radius is less than R=0.1, R=0.2 or R=0.4 respectively.

● : Standard stock ● : New standard stock ■ : Scheduled to be produced by order ★ : Standard stock (Specified)

<35 degree Rhombic Positive type>

Item Number	IC	T	Relief angle
VB_1604	9.525	4.76	5°

Item Number	IC	T	Relief angle
VC_1103	6.35	3.18	7°
VC_1303	7.94	3.18	7°

Shape	ISO Item Number	Inch Item Number	R	Carbide										Chip Control Range	For applicable holder, see pages:					
				PVD Coated						CVD Coated										
				ST4	ZM3	QM3	VM1	TM4	DT4	DM4	CP1	CP7	KM1							
				Steel Stainless Steel Cast Iron Non-Ferrous Material Heat Resistant Alloy Hardened Material	P M K N S H	●	●	●	●	●	●	●	●	●	●	●	●	●	● : 1st Choice ● : 2nd choice	
	VBGT 160402 FN YL 160404 FN YL 160408 FN YL		0.2 0.4 0.8	●					●		●								—	
	VCET 1103008 R/2 UHG		0.08				R													
	VCGT 110300 AZ7 110301M AZ7 110302M AZ7 110304M AZ7		0.03 *0.08 *0.18 *0.38		●	●													G29 G31 G56	
	VCGT 110300 FN AM3 110301 FN AM3 110302 FN AM3 110301M FN AM3 110302M FN AM3 110304M FN AM3 VCMT 110302 FN AM3 110304 FN AM3		0.03 0.1 0.2 *0.08 *0.18 *0.38 0.2 0.4		●	●		●	●	●	●									
	VCGT 130300 F R/2 2M 130301 F R/2 2M		0.03 0.1														●		G29 G62	
	VCGT 110300 R/2 U 110301 R/2 U 110302 R/2 U 110301M R/2 U 110302M R/2 U		0.03 0.1 0.2 *0.08 *0.18		R		R												G29 G31 G56	
	VCGW 110300 H 110301 H 110302 H		0.03 0.1 0.2														●	—	G29 G31 G56	

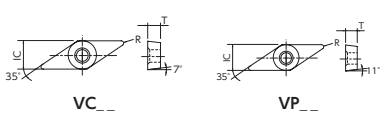






*Inserts having 01M, 02M or 04M as the R code can be used for machining when the component drawing specifies that the radius is less than R=0.1, R=0.2 or R=0.4 respectively.

● : Standard stock ● : New standard stock ■ : Scheduled to be produced by order ★ : Standard stock (Specified)

<35 degree Rhombic Positive type>

Item Number	IC	T	Relief angle
VC_1102	6.35	2.38	7°
VC_1103	6.35	3.18	7°

Item Number	IC	T	Relief angle
VP_0802	4.76	2.38	11°
VP_1103	6.35	3.18	11°

Shape	ISO Item Number	Inch Item Number	R	Carbide										Chip Control Range	For applicable holder, see pages:	
				PVD Coated						CVD Coated						
				ST4	ZM3	QM3	VM1	TM4	DT4	DM4	CP1	CP7	KM1			
 VC_1102 VC_1103																
	 VC_1102M CL			*0.18			●		●	●	●					
	 VC_1103M CL			*0.08	●		●		●	●	●					G29
	110302M CL			*0.18	●		●		●	●	●					
 YL	VC_110301M YL			0.08	●		●		●	●	●					G29
	110302M YL			0.18	●		●		●	●	●					G31
	110304M YL			0.38	●		●		●	●	●					G56
 KHG R-hand shown	VPET 0802005 $\frac{R}{L}$ KHG			0.05			●	R								
	0802008 $\frac{R}{L}$ KHG			0.08			●	R	R							
	0802018 $\frac{R}{L}$ KHG			0.18			●	R								
	080202 $\frac{R}{L}$ KHG			0.2			●	R								
	VPET 1103005 $\frac{R}{L}$ KHG			0.05			●	R								
	1103008 $\frac{R}{L}$ KHG			0.08			●	R								
	1103018 $\frac{R}{L}$ KHG			0.18			●	R								
110302 $\frac{R}{L}$ KHG			0.2			●	R									
 UHG R-hand shown	VPET 0802008 $\frac{R}{L}$ UHG			0.08					●							G33
 AM3	VP_110300 FN AM3			0.03					●	●						
	110301M FN AM3			*0.08	●		●		●	●						
	110302M FN AM3			*0.18	●		●		●	●						

* Inserts having 01M, 02M or 04M as the R code can be used for machining when the component drawing specifies that the radius is less than R=0.1, R=0.2 or R=0.4 respectively.
 **2 The specifications of CL chipbreaker are slightly different from the above dimensions, but it has no problem for machining.

● : Standard stock ● : New standard stock ■ : Scheduled to be produced by order ★ : Standard stock (Specified)