

<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°

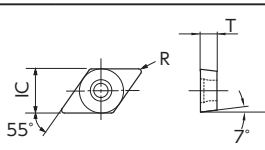
Shape	ISO Item Number	Inch Item Number	R	Carbide											Chip Control Range	For applicable holder, see pages:		
				PVD Coated							CVD Coated							
				ST4	ZM3	QM3	VM1	TM4	DT4	DM4	CP1	CP7	KM1					
				Steel	P	●	●	●	●	●	●	●	●	●	●	●	●	● : 1st Choice ● : 2nd choice
				Stainless Steel	M	●	●	●	●	●	●	●	●	●	●	●		
				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	CCMT 060202 FN AM3		0.2							●								
	060204 FN AM3		0.4							●								
	CCMT 09T302 FN AM3		0.2							●								
	09T304 FN AM3		0.4							●								
	09T308 FN AM3		0.8							●								
	CCGT 060200 AZ7		0.03			●												
 AZ8	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		●	●	●	●	●									
 F1 R-hand shown	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								●							
 KHG	CCGT 060201 FR _L F1		0.1	R		R		R										
	060202 FR _L F1		0.2	R		R		R										
	060204 FR _L F1		0.4	R		R		R										
	CCGT 09T302 FR _L F1		0.2	R		R		R										
	09T304 FR _L F1		0.4	R		R		R										
 KHG	CCET 0602005 R _L KHG		0.05			●												
	0602008 R _L KHG		0.08			●												
	0602018 R _L KHG		0.18			●												
	060202 R _L KHG		0.2			●												
	CCET 09T3005 R _L KHG		0.05			●		R										
	09T3008 R _L KHG		0.08			●		R										
	09T3018 R _L KHG		0.18			●		R										
	09T302 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)



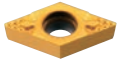

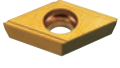
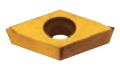
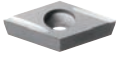
<55 degree Rhombic Positive type>

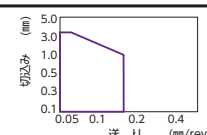
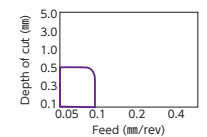
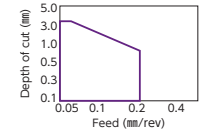
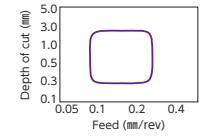
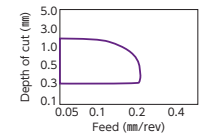
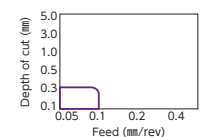
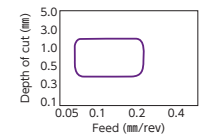
Item Number	IC	T	Relief angle
DC_0702	6.35	2.38	7°
DC_11T3	9.525	3.97	7°



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	●	●	●	●	●	●	●	●	●	●	●	●		
DCMT 070202 FN AM3		0.2										●				
070204 FN AM3		0.4										●				
DCMT 11T302 FN AM3		0.2										●				
11T304 FN AM3		0.4										●				
11T308 FN AM3		0.8										●				
 AMX	DCGT 070201M AMX		*0.08				●	●	●	●	●	●	●	●		
	070202M AMX		*0.18				●	●	●	●	●	●	●	●	●	
	070204M AMX		*0.38				●	●	●	●	●	●	●	●	●	
	DCGT 11T301M AMX		*0.08				●	●	●	●	●	●	●	●	●	
	11T302M AMX		*0.18				●	●	●	●	●	●	●	●	●	
	11T304M AMX		*0.38				●	●	●	●	●	●	●	●	●	
 AZ7	DCGT 070200 AZ7		0.03			●										
	070201M AZ7		*0.08			●										
	070202M AZ7		*0.18			●										
	DCGT 11T300 AZ7		0.03		●	●		●	●							
	11T301M AZ7		*0.08		●	●		●	●							
	11T302M AZ7		*0.18		●	●		●	●							
11T304M AZ7		*0.38		●	●		●	●								
11T308 AZ7		0.8		●	●		●	●								
 AZ8	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									●				
11T308 ENB AZ8		0.8									●					
 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		0.2	●					●											
	160404 FN YL		0.4	●					●											
	160408 FN YL		0.8	●					●											
	VCET 1103008 R/2 UHG		0.08				R													
	VCGT 110300 AZ7		0.03		●	●													G29	
	110301M AZ7		*0.08		●	●													G31	
	110302M AZ7		*0.18		●	●													G56	
	110304M AZ7		*0.38		●	●														
	VCGT 110300 FN AM3		0.03				●	●	●											
	110301 FN AM3		0.1		●	●														
	110302 FN AM3		0.2		●	●														
	110301M FN AM3		*0.08	●	●	●	●	●												
	110302M FN AM3		*0.18	●	●	●	●	●												
	110304M FN AM3		*0.38	●	●	●	●	●												
	VCMT 110302 FN AM3		0.2								●									
	110304 FN AM3		0.4								●									
	VCGT 130300 F R/2 2M		0.03								●								G29	
	130301 F R/2 2M		0.1								●								G62	
	VCGT 110300 R/2 U		0.03		R	R														
	110301 R/2 U		0.1		R	R														
	110302 R/2 U		0.2		R	R														
	110301M R/2 U		*0.08							R										
	110302M R/2 U		*0.18							R										
	VCGW 110300 H M		0.03													●			G29	
	110301 H M		0.1													●			G31	
	110302 H M		0.2													●			G56	

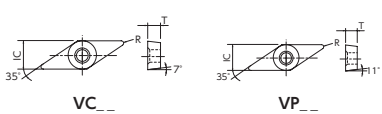






*Inserts having 01M, 02M or 04M as the R code can be used for machining when the component drawing specifies that the radius is less than R=0.1, R=0.2 or R=0.4 respectively.

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

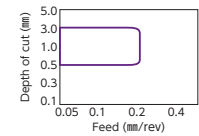
<35 degree Rhombic Positive type>

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

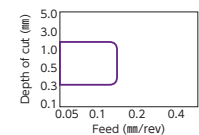
Item Number	IC	T	Relief angle
VP_0802	4.76	2.38	11°
VP_1103	6.35	3.18	11°

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	●		●		●	●	●					
	110302M CL			*0.18	●		●		●	●	●					
 YL	VC_110301M YL			0.08	●		●		●	●	●					
	110302M YL			0.18	●		●		●	●	●					
	110304M YL			0.38	●		●		●	●	●					
 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						●						
 AM3	VP_110300 FN AM3			0.03					●	●						
	110301M FN AM3			*0.08	●		●		●	●						
	110302M FN AM3			*0.18	●		●		●	●						

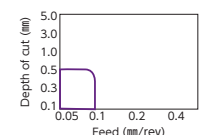
● : 1st Choice
● : 2nd choice



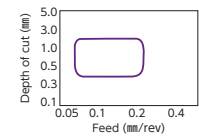
G29



G29
G31
G56



G33



* 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)