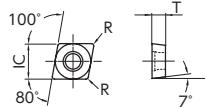


## &lt;80 degree Rhombic Positive type&gt;

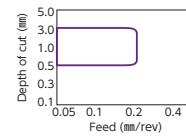
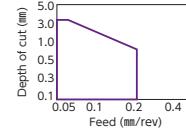
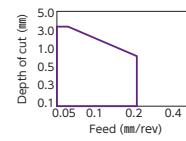
Item Number	IC	T	Relief angle
CC_0602	6.35	2.38	7°
CC_09T3	9.525	3.97	7°



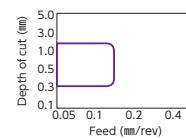
Steel	P	●	●	●	●	●	●	●	●	●	●	●	●
Stainless Steel	M	●	●	●	●	●	●	●	●	●	●	●	●
Cast Iron	K	●	●	●	●	●	●	●	●	●	●	●	●
Non-Ferrous Material	N	●	●	●	●	●	●	●	●	●	●	●	●
Heat Resistant Alloy	S	●	●	●	●	●	●	●	●	●	●	●	●
Hardened Material	H	●	●	●	●	●	●	●	●	●	●	●	●

● : 1st Choice  
● : 2nd choice

Shape	ISO Item Number	Inch Item Number	R	Carbide							Chip Control Range	For applicable holder, see pages:	
				ST4	ZM3	QM3	VM1	TM4	DT4	DM4	CP1	CP7	
S L-hand shown	CCGT 060200 R/L S		0.03	●		●		R					
	060201 R/L S		0.1	●		●							
	060202 R/L S		0.2	●		●							
	060201M R/L S		*0.08		R			R					
	060202M R/L S		*0.18		R			R					
	CCGT 09T300 R/L S		0.03		R		●	R	R				
	09T301 R/L S		0.1		●	R	●						
	09T302 R/L S		0.2		R	R	●						
	09T304 R/L S		0.4		R								
	09T301M R/L S		*0.08		R		R	R					
U · U1 R-hand shown	09T302M R/L S		*0.18		R		R	R					
	09T304M R/L S		*0.38		R		R	R					
CL ≈ 2	CCGT 060200 R/L U		0.03		R			R					
	060201 R/L U		0.1		●			R					
	060202 R/L U		0.2		●			R					
	CCGT 09T300 R/L U1		0.03		●			R	R				
	09T301 R/L U1		0.1		●		R	R					
	09T302 R/L U1		0.2		●		R	R					
	09T304 R/L U1		0.4		●		R	R					
YL	CCGT 060201M CL		*0.08	●	●		●	●	●	●			
	060202M CL		*0.18	●		●	●	●	●	●			
	09T300 CL		0.03				●	●	●				
	09T301M CL		*0.08	●	●		●	●	●	●			
	09T302M CL		*0.18	●	●		●	●	●	●			
	09T304M CL		*0.38	●		●	●	●	●	●			
	09T308M YL		0.78	●	●		●	●	●	●			
without chipbreaker	CCGW 060200 FN		0.03	●									
	060201 FN		0.1	●									
	060200 H M		0.03								●		
	060201 H M		0.1								●		
	060202 H M		0.2								●		
	CCGW 09T300 FN		0.03	●									
	09T301 FN		0.1	●									
	09T300 H M		0.03								●		
	09T301 H M		0.1								●		
	09T302 H M		0.2								●		
	09T302M P M		*0.18					●					
	09T30 V M		0.0			●							
	09T301 P M		0.1			●							
	09T302 P M		0.2			●							



G23  
K28



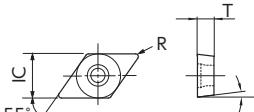
\* Inserts having 01M, 02M or 04M as the R code can be used for machining when the component drawing specifies that the radius is less than R=0.1, R=0.2 or R=0.4 respectively.

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

※2 The specifications of CL chipbreaker are slightly different from the above dimensions, but it has no problem for machining.

# 〈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°

			Steel	P	M	K	N	S	H	P	M	K	N	S	H	P	M	K	N	S	H		
Shape	ISO Item Number		Inch Item Number	R	Carbide								CVD Coated								Chip Control Range		For applicable holder, see pages:
S R-hand shown	DCGT	070200	R/L S	0.03		●		●															
		070201	R/L S	0.1		●		●															
		070202	R/L S	0.2		●		●															
		070204	R/L S	0.4-				R															
		070201M	R/L S	*0.08			R				R												
		070202M	R/L S	*0.18			R			R													
	DCGT	11T300	R/L S	0.03		R		●	R	R													
		11T301	R/L S	0.1		R	R	●															
		11T302	R/L S	0.2		R	R	●															
		11T304	R/L S	0.4		R																	
		11T301M	R/L S	*0.08		R			R	R													
		11T302M	R/L S	*0.18		R		R	R														
		11T304M	R/L S	*0.38		R		R	R														
U · U1 R-hand shown	DCGT	070200	R/L U	0.03		R	R																
		070201	R/L U	0.1		R	R																
		070202	R/L U	0.2		●	R																
	DCGT	11T300	R/L U1	0.03		●	R	R	R	R													
		11T301	R/L U1	0.1		●	R	R	R	R													
		11T302	R/L U1	0.2		●	R	R	R	R													
		11T304	R/L U1	0.4		●	R	R	R	R													
without chipbreaker	DCGW	070200	FN	0.03		●																	
		070201	FN	0.1		●																	
		070200	H M	0.03																			
		070201	H M	0.1																			
		070202	H M	0.2																			
		07020	V M	0.0																			
	DCGW	11T300	FN	0.03		●																	
		11T301	FN	0.1		●																	
		11T300	H M	0.03																			
		11T301	H M	0.1																			
		11T302	H M	0.2																			
		11T30	V M	0.0																			
CL ≈ 2	DCGT	070201M	CL	*0.08	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		070202M	CL	*0.18	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		070204M	CL	*0.38	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
	DCGT	11T301M	CL	*0.08	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		11T302M	CL	*0.18	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		11T304M	CL	*0.38	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
YL	DCGT	070201M	YL	0.08																			
		070202M	YL	0.18																			
		070204M	YL	0.38																			
	DCGT	11T300	YL	0.03																			
		11T301M	YL	0.08	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		11T302M	YL	0.18	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		11T304M	YL	0.38	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
		11T308M	YL	0.78	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

- \* 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.
- \*\* The specifications of CL chipbreaker are slightly different from the above dimensions, but it has no problem for machining.

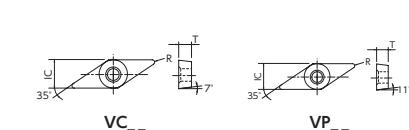
● : Standard stock   ● : New standard stock   ■ : Scheduled to be produced by order   ★ : Standard stock (Specified)

Information	Rotating Tools	Endmills	Application Introduction	G25
Index	Threaded	Threading	Grooving / Side Turning	G27
Information	Information	Information	Swiss Tooling	
Index	Information	Information	Unique Swiss Tooling	
Index	Information	Information	ID Tooling	
Index	Information	Information	Shaper	
Index	Information	Information	General Turning Toolholders	
Index	Information	Information	Grooving / Unique Swiss Tooling	
Index	Information	Information	Toolholders	
Index	Information	Information	CBN and Ceramics	
Index	Information	Information	PVD/CD Coated Carbide	
Index	Information	Information	BIDESICS, PCD, Micrograin Carbide	
Index	Information	Information	Tool Materials / Selection Guide	
New Products	New Products	New Products	New Products	

## ⟨35 degree Rhombic Positive type⟩

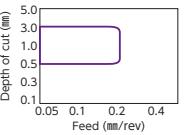
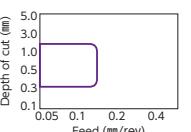
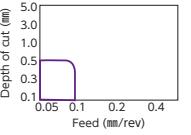
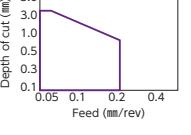
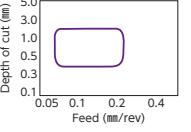
Item Number	IC	T	Relief angle
<b>VC_1102</b>	6.35	2.38	7°
<b>VC_1103</b>	6.35	3.18	7°

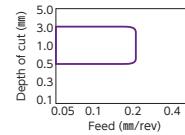
Item Number	IC	T	Relief angle
<b>VP_0802</b>	4.76	2.38	11°
<b>VP 1103</b>	6.35	3.18	11°



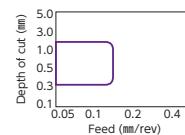
Steel	P	●	●	●	●	●	●	●	●	●	●
Stainless Steel	M	●	●	●	●	●	●	●	●	●	●
Cast Iron	K										●
Non-Ferrous Material	N		●		●	●					
Heat Resistant Alloy	S	●		●		●	●	●	●	●	
Hardened Material	H	●			●		●	●	●	●	

- : 1st Choice
- : 2nd choice

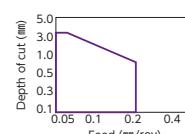
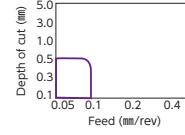
Shape	ISO Item Number	Inch Item Number	R	Carbide								Chip Control Range	For applicable holder, see pages:		
				PVD Coated				CVD Coated							
				ST4	ZM3	QM3	VM1	TM4	DT4	DM4	KM1	CP1	CP7		
CL ≈ 2	VCGT 110202M CL		*0.18			●		●	●	●					G29
	VCGT 110301M CL		*0.08	●	●			●	●	●					
	110302M CL		*0.18	●	●			●	●	●					
YL	VCGT 110301M YL		0.08	●	●	●		●	●	●					G29 G31 G56
	110302M YL		0.18	●	●	●		●	●	●					
	110304M YL		0.38	●	●	●		●	●	●					
KHG R-hand shown	VPET 0802005 R/L KHG		0.05			●	R								G33
	0802008 R/L KHG		0.08			●	R	R							
	0802018 R/L KHG		0.18			●	R								
	080202 R/L KHG		0.2			●	R								
	VPET 1103005 R/L KHG		0.05			●	R								
	1103008 R/L KHG		0.08			●	R								
	1103018 R/L KHG		0.18			●	R								
	110302 R/L KHG		0.2			●	R								
UHG R-hand shown	VPET 0802008 R/L UHG		0.08							●					G33
										●					
AM3	VPGT 110300 FN AM3		0.03					●	●						G33
	110301M FN AM3		*0.08	●		●		●	●						
	110302M FN AM3		*0.18	●		●		●	●						



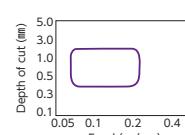
For applicable holder,  
see pages:



G29  
G31  
G56



G33



A graph showing Depth of cut (mm) on the y-axis (ranging from 0.1 to 5.0) versus Feed (mm/rev) on the x-axis (ranging from 0.05 to 0.4). A single horizontal line is plotted at a depth of cut of approximately 1.0 mm.

- \* 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

● : Standard stock    ● : New standard stock

※ 2 The specifications of CL chipbreaker are slightly different from the above dimensions, but it has no problem for machining.

### **Block (Specified)**