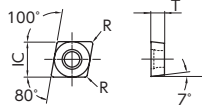


### <80 degree Rhombic Positive type>

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



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				
	CCGT 060200	R/4 S	0.03	●	●	●	●	●	●	●	●	●	●	●	●		
	060201	R/4 S	0.1	●	●	●	●	●	●	●	●	●	●	●	●		
	060202	R/4 S	0.2	●	●	●	●	●	●	●	●	●	●	●	●		
	060201M	R/4 S	*0.08		R				R								
	060202M	R/4 S	*0.18		R				R								
	CCGT 09T300	R/4 S	0.03	R	●		R	R									
	09T301	R/4 S	0.1	●	R	●											
	09T302	R/4 S	0.2	R	R	●											
	09T304	R/4 S	0.4	R													
	09T301M	R/4 S	*0.08		R		R	R									
09T302M	R/4 S	*0.18		R		R	R										
09T304M	R/4 S	*0.38		R		R	R										
	CCGT 060200	R/4 U	0.03	R				R									
	060201	R/4 U	0.1	●				R									
	060202	R/4 U	0.2	●				R									
	CCGT 09T300	R/4 U1	0.03	●			R	R									
	09T301	R/4 U1	0.1	●			R	R									
	09T302	R/4 U1	0.2	●			R	R									
	CCGT 060201M	CL	*0.08	●	●	●	●	●	●	●	●	●	●	●		G23 K28	
	060202M	CL	*0.18	●	●	●	●	●	●	●	●	●	●	●			
	09T300	CL	0.03				●	●									
	09T301M	CL	*0.08	●	●	●	●	●	●	●	●	●	●	●			
	09T302M	CL	*0.18	●	●	●	●	●	●	●	●	●	●	●			
	CCGT 09T300	YL	0.03				●	●									
	09T301M	YL	0.08	●	●	●	●	●	●	●	●	●	●	●			
	09T302M	YL	0.18	●	●	●	●	●	●	●	●	●	●	●			
	09T304M	YL	0.38	●	●	●	●	●	●	●	●	●	●	●			
	09T308M	YL	0.78	●	●	●	●	●	●	●	●	●	●	●			
	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				●											

\* 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.

## <80 degree Rhombic Positive type>

Item Number	IC	T	Relief angle
CP_0401	4.76	1.59	11°
CP_0602	6.35	2.38	11°

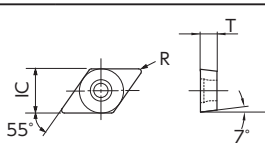
Item Number	IC	T	Relief angle
CP_0802	7.94	2.38	11°
CP_0903	9.525	3.18	11°

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				
				Steel	P	●	●	●	●	●	●	●	●	●	●	●	● : 1st Choice ● : 2nd choice
				Stainless Steel	M	●	●	●	●	●	●	●	●	●	●		
				Cast Iron	K	●	●	●	●	●	●	●	●	●	●		
				Non-Ferrous Material	N	●	●	●	●	●	●	●	●	●	●		
				Heat Resistant Alloy	S	●	●	●	●	●	●	●	●	●	●		
				Hardened Material	H	●	●	●	●	●	●	●	●	●	●		
 AM5	CPGH 060202 FN AM5	CPGP83Y-FN--AM5	0.2		●				●								
	CPGH 080202 FN AM5	CPGP03Y-FN--AM5	0.2		●			●									
	CPGH 090302 FN AM5	CPGM32Y-FN--AM5	0.2		●			●									
	090304 FN AM5	321-FN--AM5	0.4		●			●									
	090308 FN AM5	322-FN--AM5	0.8		●			●									
 A · A1 L-hand shown	CPGH 040102 F <sub>R/L</sub> A1	CPGP62Y-F <sub>R/L</sub> --A1	0.2		L			L									
	040104 F <sub>R/L</sub> A1	621-F <sub>R/L</sub> --A1	0.4		L			L									
	CPGH 060202 F <sub>R/L</sub> A	CPGP83Y-F <sub>R/L</sub> --A	0.2		L			L									
	060204 F <sub>R/L</sub> A	831-F <sub>R/L</sub> --A	0.4		L			L									
	CPGH 080202 F <sub>R/L</sub> A	CPGP03Y-F <sub>R/L</sub> --A	0.2		L			L									
	080204 F <sub>R/L</sub> A	031-F <sub>R/L</sub> --A	0.4		L			L									
 F1 R-hand shown	CPGH 040101 F <sub>R/L</sub> F1		0.1	R		R		R									
	040102 F <sub>R/L</sub> F1		0.2	R		R		R									
	040104 F <sub>R/L</sub> F1		0.4	R		R		R									
	CPGH 060202 F <sub>R/L</sub> F1		0.2	R		R		R									
	060204 F <sub>R/L</sub> F1		0.4	R		R		R									
 S L-hand shown	CPGH 040101 <sub>R/L</sub> S		0.1			L		L									
	040102 <sub>R/L</sub> S		0.2			L		L									
	040104 <sub>R/L</sub> S		0.4			L		L									
	CPGH 060202 <sub>R/L</sub> S		0.2			L		L									
	060204 <sub>R/L</sub> S		0.4			L		L									

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

### <55 degree Rhombic Positive type>

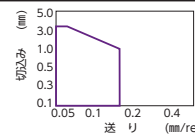
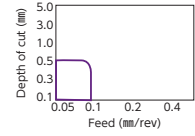
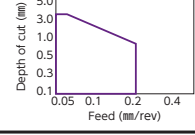
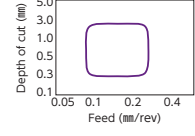
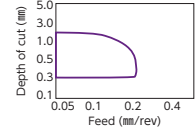
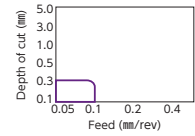
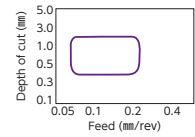
Item Number	IC	T	Relief angle
DC_0702	6.35	2.38	7°
DC_11T3	9.525	3.97	7°



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		KM1				
				ST4	ZM3	QM3	VM1	TM4	DT4	DM4	CP1		CP7			
	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										●				
	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				●	●	●	●	●					
	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			●			●	●							
	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										●			
	DCET 11T301M R/4 AT		*0.08						R							
	11T302M R/4 AT		*0.18						R							
	DCET 0702005 R/4 KHG		0.05				●									
	0702008 R/4 KHG		0.08				●									
	0702018 R/4 KHG		0.18				●									
	070202 R/4 KHG		0.2				●									
	DCET 11T3005 R/4 KHG		0.05				●		R							
	11T3008 R/4 KHG		0.08				●		R							
11T3018 R/4 KHG		0.18				●		R								
11T302 R/4 KHG		0.2				●		R								
	DCET 0702008 R/4 UHG		0.08						R							
	DCET 11T3008 R/4 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)

## <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°

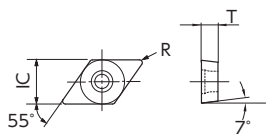
Shape	ISO Item Number	Inch Item Number	R	Carbide											Chip Control Range	For applicable holder, see pages:		
				PVD Coated						CVD Coated								
				ST4	ZM3	QM3	VM1	TM4	DT4	DM4	CP1	CP7	KM1					
				Steel	P	●	●	●	●	●	●	●	●	●	●	●	●	● : 1st Choice ● : 2nd choice
				Stainless Steel	M	●	●	●	●	●	●	●	●	●	●	●		
				Cast Iron	K	●	●	●	●	●	●	●	●	●	●	●		
				Non-Ferrous Material	N	●	●	●	●	●	●	●	●	●	●	●		
				Heat Resistant Alloy	S	●	●	●	●	●	●	●	●	●	●	●		
				Hardened Material	H	●	●	●	●	●	●	●	●	●	●	●		
 S R-hand shown	DCGT 070200	R/4 S		0.03	●													
	070201	R/4 S		0.1	●													
	070202	R/4 S		0.2	●													
	070204	R/4 S		0.4														
	070201M	R/4 S		*0.08		R				R								
	070202M	R/4 S		*0.18		R				R								
	DCGT 11T300	R/4 S		0.03	R		●	R	R									
	11T301	R/4 S		0.1	R	R	●											
	11T302	R/4 S		0.2	R	R	●											
	11T304	R/4 S		0.4		R												
 U · U1 R-hand shown	DCGT 070200	R/4 U		0.03	R		R											
	070201	R/4 U		0.1	R		R											
	070202	R/4 U		0.2	●		R											
	DCGT 11T300	R/4 U1		0.03	●		R	R	R									
	11T301	R/4 U1		0.1	●		R	R	R									
	11T302	R/4 U1		0.2	●		R	R	R									
 without chipbreaker	DCGW 070200	FN		0.03	●												G25 G27	
	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														
 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.  
 ※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)


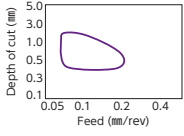
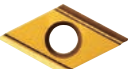
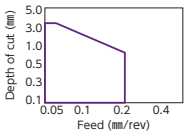
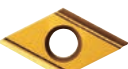
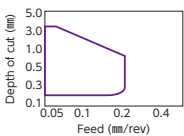



Item Number	IC	T	Relief angle
<b>TFD_07</b>	6.35	2.38	7°
<b>TFD_11</b>	9.525	3.97	7°

### <TFD with Wiper edge>

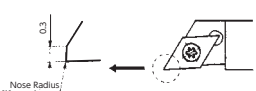


Steel	P	●	●	●	●	●	●	●	●	●	●	●
Stainless Steel	M	●	●	●	●	●	●	●	●	●	●	●
Cast Iron	K	●	●	●	●	●	●	●	●	●	●	●
Non-Ferrous Material	N	●	●	●	●	●	●	●	●	●	●	●
Heat Resistant Alloy	S	●	●	●	●	●	●	●	●	●	●	●
Hardened Material	H	●	●	●	●	●	●	●	●	●	●	●

● : 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	CP1	CP7	KM1			
 AM3	<b>TFD 11 FR 05 AM3</b>	DCGT32.502AM3-WP	0.05			R				R	R					
	<b>11 FR 15 AM3</b>	32.506AM3-WP	0.15			R				R	R					
 S ※ R-hand shown	<b>TFD 07 FR 05</b>	DCGT21.502 <sup>1/2</sup> S-WP	0.05	●		R	R									
	<b>07 FR 15</b>	21.506 <sup>1/2</sup> S-WP	0.15	●		R										
	<b>TFD 11 FR 05</b>	DCGT32.502RS-WP	0.05		R	R	R									
	<b>11 FR 15</b>	32.506RS-WP	0.15		R	R										
 U · U1 ※ R-hand shown	<b>TFD 07 FR 05 U</b>	DCGT21.502RU-WP	0.05			R	R	R								<b>G25</b> <b>G27</b>
	<b>07 FR 15 U</b>	21.506RU-WP	0.15			R	R									
	<b>TFD 11 FR 05 U1</b>	DCGT32.502RU1-WP	0.05		R	R	R									
	<b>11 FR 15 U1</b>	32.506RU1-WP	0.15		R	R										
 without chipbreaker	<b>TFD 07 FR 05 H</b> 	DCGW21.502RH-WP	0.05											R		
	<b>TFD 11 FR 05 H</b> 	DCGW32.502RH-WP	0.05											R		

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



\*Note: NTK WP style inserts have a wiper facet design. The insert has a 0.3mm flat on the cutting edge when the insert is set into the toolholder. The flat on the cutting edge ensures a superior surface when feed rates are increased. WP style inserts can be used in toolholders: SDJC, Y-SDJC, CH-SDUCL and DS-SDUL.