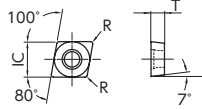


Item Number	IC	T	Relief angle
CC_0602	6.35	2.38	7°
CC_09T3	9.525	3.97	7°

<80 degree Rhombic Positive type>



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								
09T304	R/4 U1	0.4	●			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	●	●	●	●	●	●	●	●	●	●			
09T304M	CL	*0.38	●	●	●	●	●	●	●	●	●	●				
	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.

<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°

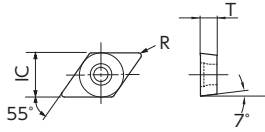
Shape	ISO Item Number	Inch Item Number	R	Carbide											Chip Control Range	For applicable holder, see pages:		
				PVD Coated						CVD Coated								
				ST4	ZM3	QM3	VM1	TM4	DT4	DM4	CP1	CP7	KM1					
				Steel	P	●	●	●	●	●	●	●	●	●	●	●	●	● : 1st Choice ● : 2nd choice
				Stainless Steel	M	●	●	●	●	●	●	●	●	●	●	●		
				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)


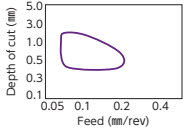
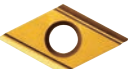
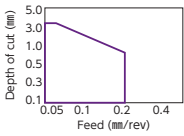
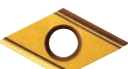
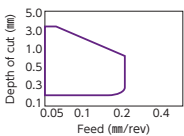



Item Number	IC	T	Relief angle
TFD_07	6.35	2.38	7°
TFD_11	9.525	3.97	7°

<TFD with Wiper edge>

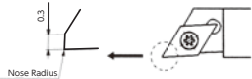


Steel	P	●	●	●	●	●	●	●	●	●	●	●
Stainless Steel	M	●	●	●	●	●	●	●	●	●	●	●
Cast Iron	K	●	●	●	●	●	●	●	●	●	●	●
Non-Ferrous Material	N	●	●	●	●	●	●	●	●	●	●	●
Heat Resistant Alloy	S	●	●	●	●	●	●	●	●	●	●	●
Hardened Material	H	●	●	●	●	●	●	●	●	●	●	●

● : 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	TFD 11 FR 05 AM3	DCGT32.502AM3-WP	0.05			R				R	R					
	11 FR 15 AM3	32.506AM3-WP	0.15			R				R	R					
 S ※ R-hand shown	TFD 07 FR 05	DCGT21.502 ^{R/L} S-WP	0.05	●		R	R									
	07 FR 15	21.506 ^{R/L} S-WP	0.15	●		R										
	TFD 11 FR 05	DCGT32.502RS-WP	0.05		R	R	R									
	11 FR 15	32.506RS-WP	0.15		R	R										
 U · U1 ※ R-hand shown	TFD 07 FR 05 U	DCGT21.502RU-WP	0.05			R	R	R								G25 G27
	07 FR 15 U	21.506RU-WP	0.15			R	R									
	TFD 11 FR 05 U1	DCGT32.502RU1-WP	0.05		R	R	R									
	11 FR 15 U1	32.506RU1-WP	0.15		R	R										
 without chipbreaker	TFD 07 FR 05 H 	DCGW21.502RH-WP	0.05											R		
	TFD 11 FR 05 H 	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.

<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)