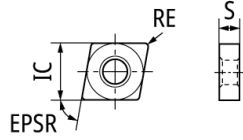


DCM.



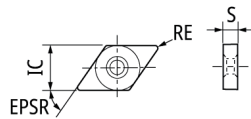
Steel			
Stainless Steel			
Cast Iron			
Non-Ferrous Material	●	●	●
Heat Resistant Alloy			
Hardened Material			
Others (non-metallic)			●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	No. of edge	PCD		Diamond Coating UC1
									PD1	PD2	
	DCMT070201PBF	Up-sharp edge	55	6.35	2.38	7	0.1	1		●	
	DCMT070202PBF	Up-sharp edge	55	6.35	2.38	7	0.2	1		●	
	DCMT11T301PBF	Up-sharp edge	55	9.525	3.97	7	0.1	1		●	
	DCMT11T302PBF	Up-sharp edge	55	9.525	3.97	7	0.2	1		●	
	DCMT11T304PBF	Up-sharp edge	55	9.525	3.97	7	0.4	1		●	
	DCMT070201PF	Up-sharp edge	55	6.35	2.38	7	0.1	1		●	
	DCMT070202PF	Up-sharp edge	55	6.35	2.38	7	0.2	1		●	
	DCMT11T302PF	Up-sharp edge	55	9.525	3.97	7	0.2	1		●	
	DCMT11T304PF	Up-sharp edge	55	9.525	3.97	7	0.4	1		●	
	DCMW11T301	Up-sharp edge	55	9.525	3.97	7	0.1	1	●		
	DCMW11T302	Up-sharp edge	55	9.525	3.97	7	0.2	1	●		
	DCMW11T304	Up-sharp edge	55	9.525	3.97	7	0.4	1	●		
	DCMW11T308	Up-sharp edge	55	9.525	3.97	7	0.8	1	●		
	DCMT11T301FNAM3	Up-sharp edge	55	9.525	3.97	7	0.1	2			●
	DCMT11T302FNAM3	Up-sharp edge	55	9.525	3.97	7	0.2	2			●
	DCMT11T304FNAM3	Up-sharp edge	55	9.525	3.97	7	0.4	2			●

Turning Insert

D

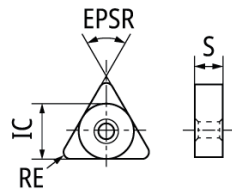
DNMX



Steel			
Stainless Steel			
Cast Iron			
Non-Ferrous Material	●	●	●
Heat Resistant Alloy			
Hardened Material			
Others (non-metallic)			●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	No. of edge	PCD		Diamond Coating UC1
									PD1	PD2	
	DNMX150404PF	Up-sharp edge	55	12.7	4.76	–	0.4	1		●	
	DNMX150408PF	Up-sharp edge	55	12.7	4.76	–	0.8	1		●	

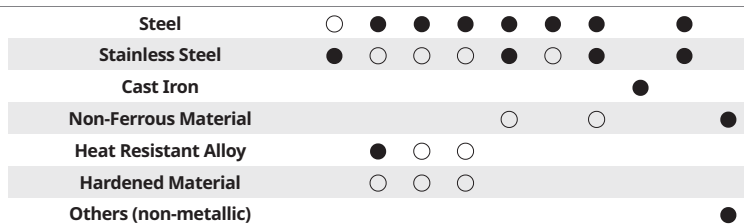
TNMX

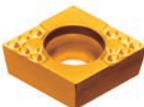


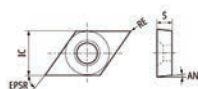
Steel			
Stainless Steel			
Cast Iron			
Non-Ferrous Material	●	●	●
Heat Resistant Alloy			
Hardened Material			
Others (non-metallic)			●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	No. of edge	PCD		Diamond Coating UC1
									PD1	PD2	
	TNMX160404PF	Up-sharp edge	60	9.525	4.76	–	0.4	1		●	
	TNMX160408PF	Up-sharp edge	60	9.525	4.76	–	0.8	1		●	

CC..

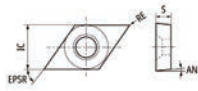


Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide											CVD	CVD	Uncoated
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD			
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1				
(ISO)	°	mm	mm	°	mm	mm	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1						
	CCGT09T300YL	Up-sharp edge	80	9.525	3.97	7	0.03	-			●		●									
	CCGT09T301MYL	Up-sharp edge	80	9.525	3.97	7	0.08	-	●	●	●	●	●									
	CCGT09T302MYL	Up-sharp edge	80	9.525	3.97	7	0.18	-	●	●	●	●	●									
	CCGT09T304MYL	Up-sharp edge	80	9.525	3.97	7	0.38	-	●	●	●	●	●									
	CCGT09T308MYL	Up-sharp edge	80	9.525	3.97	7	0.78	-	●	●	●	●	●									
	CCGT060201MCL	Up-sharp edge	80	6.35	2.38	7	0.08	-	●	●	●	●	●									
	CCGT060202MCL	Up-sharp edge	80	6.35	2.38	7	0.18	-	●	●	●	●	●									
	CCGT09T300CL	Up-sharp edge	80	9.525	3.97	7	0.03	-			●		●									
	CCGT09T301MCL	Up-sharp edge	80	9.525	3.97	7	0.08	-	●	●	●	●	●									
	CCGT09T302MCL	Up-sharp edge	80	9.525	3.97	7	0.18	-	●	●	●	●	●									
	CCGT09T304MCL	Up-sharp edge	80	9.525	3.97	7	0.38	-	●	●	●	●	●									
	CCGT060200FNAM3	Up-sharp edge	80	6.35	2.38	7	0.03	-			●		●	●								
	CCGT060201MFNAM3	Up-sharp edge	80	6.35	2.38	7	0.08	-	●		●	●	●									
	CCGT060202FNAM3	Up-sharp edge	80	6.35	2.38	7	0.2	-						●	●							
	CCGT060202MFNAM3	Up-sharp edge	80	6.35	2.38	7	0.18	-	●		●	●	●									
	CCGT060204FNAM3	Up-sharp edge	80	6.35	2.38	7	0.4	-							●							
	CCGT060204MFNAM3	Up-sharp edge	80	6.35	2.38	7	0.38	-	●		●	●	●									
	CCGT09T300FNAM3	Up-sharp edge	80	9.525	3.97	7	0.03	-			●		●	●								
	CCGT09T301MFNAM3	Up-sharp edge	80	9.525	3.97	7	0.08	-	●		●	●	●	●	●							
	CCGT09T302FNAM3	Up-sharp edge	80	9.525	3.97	7	0.2	-				●		●								
	CCGT09T302MFNAM3	Up-sharp edge	80	9.525	3.97	7	0.18	-	●		●	●	●	●	●							
	CCGT09T304FNAM3	Up-sharp edge	80	9.525	3.97	7	0.4	-				●		●								
	CCGT09T304MFNAM3	Up-sharp edge	80	9.525	3.97	7	0.38	-	●		●	●	●	●	●							
	CCMT060202FNAM3	Up-sharp edge	80	6.35	2.38	7	0.2	-			●											
	CCMT060204FNAM3	Up-sharp edge	80	6.35	2.38	7	0.4	-			●											
	CCMT09T302FNAM3	Up-sharp edge	80	9.525	3.97	7	0.2	-			●											
	CCMT09T304FNAM3	Up-sharp edge	80	9.525	3.97	7	0.4	-			●											
CCMT09T308FNAM3	Up-sharp edge	80	9.525	3.97	7	0.8	-			●												
	CCGT060200AZ7	Up-sharp edge	80	6.35	2.38	7	0.03	-				●										
	CCGT060201MAZ7	Up-sharp edge	80	6.35	2.38	7	0.08	-				●										
	CCGT060202MAZ7	Up-sharp edge	80	6.35	2.38	7	0.18	-				●										
	CCGT09T300AZ7	Up-sharp edge	80	9.525	3.97	7	0.03	-			●	●	●		●							
	CCGT09T301MAZ7	Up-sharp edge	80	9.525	3.97	7	0.08	-			●	●	●		●							
	CCGT09T302MAZ7	Up-sharp edge	80	9.525	3.97	7	0.18	-			●	●	●		●							
	CCGT09T304MAZ7	Up-sharp edge	80	9.525	3.97	7	0.38	-			●	●	●		●							
	CCMT060202E002AZ8	E002	80	6.35	2.38	7	0.2	-								●						
	CCMT060204E004AZ8	E004	80	6.35	2.38	7	0.4	-								●						
	CCMT060208E004AZ8	E004	80	6.35	2.38	7	0.8	-								●						
	CCMT09T302E002AZ8	E002	80	6.35	2.38	7	0.2	-								●						
	CCMT09T304E004AZ8	E004	80	6.35	2.38	7	0.4	-								●						
	CCMT09T308E004AZ8	E004	80	6.35	2.38	7	0.8	-								●						
	CCGT060200RS	Up-sharp edge	80	6.35	2.38	7	0.03	-			●			●	●							
	CCGT060200LS	Up-sharp edge	80	6.35	2.38	7	0.03	-						●	●							
	CCGT060201MRS	Up-sharp edge	80	6.35	2.38	7	0.08	-			●	●										
	CCGT060201RS	Up-sharp edge	80	6.35	2.38	7	0.1	-						●	●							
	CCGT060201LS	Up-sharp edge	80	6.35	2.38	7	0.1	-						●	●							
	CCGT060202MRS	Up-sharp edge	80	6.35	2.38	7	0.18	-			●	●										
	CCGT060202RS	Up-sharp edge	80	6.35	2.38	7	0.2	-						●	●							
	CCGT060202LS	Up-sharp edge	80	6.35	2.38	7	0.2	-						●	●							
	CCGT060204RS	Up-sharp edge	80	6.35	2.38	7	0.4	-														
	CCGT09T300RS	Up-sharp edge	80	9.525	3.97	7	0.03	-			●		●	●	●							
	CCGT09T300LS	Up-sharp edge	80	9.525	3.97	7	0.03	-						●								
	CCGT09T301MRS	Up-sharp edge	80	9.525	3.97	7	0.08	-			●	●	●									
	CCGT09T301RS	Up-sharp edge	80	9.525	3.97	7	0.1	-				●		●	●							
	CCGT09T301LS	Up-sharp edge	80	9.525	3.97	7	0.1	-						●	●							
	CCGT09T302MRS	Up-sharp edge	80	9.525	3.97	7	0.18	-			●	●	●									
	CCGT09T302RS	Up-sharp edge	80	9.525	3.97	7	0.2	-				●		●	●							
	CCGT09T302LS	Up-sharp edge	80	9.525	3.97	7	0.2	-						●								

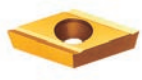
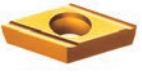
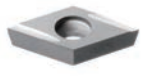
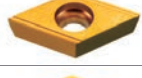


Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron								●	
Non-Ferrous Material						○		○	●
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

Shape	Item Number (ISO)	CECC	EPSR °	IC mm	S mm	AN °	RE mm	BS mm	Carbide											Uncoated KM1
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	CP7	CP7	
	DCGT11T301MRTMV	Up-sharp edge	55	9.525	3.97	7	0.08	-	●	●			●							
	DCGT11T301MRTMV2	Up-sharp edge	55	9.525	3.97	7	0.08	-	●	●			●							
	DCGT11T302MRTMV	Up-sharp edge	55	9.525	3.97	7	0.18	-	●	●			●							
	DCGT11T302MRTMV2	Up-sharp edge	55	9.525	3.97	7	0.18	-	●	●			●							
	DCGT11T304MRTMV	Up-sharp edge	55	9.525	3.97	7	0.38	-	●	●			●							
	DCGT11T304MRTMV2	Up-sharp edge	55	9.525	3.97	7	0.38	-	●	●			●							
	DCGT070201MYL	Up-sharp edge	55	6.35	2.38	7	0.08	-		●		●								
	DCGT070202MYL	Up-sharp edge	55	6.35	2.38	7	0.18	-		●		●								
	DCGT070204MYL	Up-sharp edge	55	6.35	2.38	7	0.38	-		■		■								
	DCGT11T300YL	Up-sharp edge	55	9.525	3.97	7	0.03	-				●		●						
	DCGT11T301MYL	Up-sharp edge	55	9.525	3.97	7	0.08	-	●	●	●	●	●							
	DCGT11T302MYL	Up-sharp edge	55	9.525	3.97	7	0.18	-	●	●	●	●	●							
	DCGT11T304MYL	Up-sharp edge	55	9.525	3.97	7	0.38	-	●	●	●	●	●							
	DCGT11T308MYL	Up-sharp edge	55	9.525	3.97	7	0.78	-	●	●	●	●	●							
	DCGT070201MCL	Up-sharp edge	55	6.35	2.38	7	0.08	-	●	●	●	●	●							
	DCGT070202MCL	Up-sharp edge	55	6.35	2.38	7	0.18	-	●	●	●	●	●							
	DCGT070204MCL	Up-sharp edge	55	6.35	2.38	7	0.38	-	●	●	●	●	●							
	DCGT11T301MCL	Up-sharp edge	55	9.525	3.97	7	0.08	-	●	●	●	●	●							
	DCGT11T302MCL	Up-sharp edge	55	9.525	3.97	7	0.18	-	●	●	●	●	●							
	DCGT11T304MCL	Up-sharp edge	55	9.525	3.97	7	0.38	-	●	●	●	●	●							
	DCGT070200FNAM3	Up-sharp edge	55	6.35	2.38	7	0.03	-				●		●	●	●				
	DCGT070201FNAM3	Up-sharp edge	55	6.35	2.38	7	0.1	-							●	●				
	DCGT070202FNAM3	Up-sharp edge	55	6.35	2.38	7	0.2	-							●	●				
	DCGT070204FNAM3	Up-sharp edge	55	6.35	2.38	7	0.4	-							●	●				
	DCGT070201MFNAM3	Up-sharp edge	55	6.35	2.38	7	0.08	-	●		●	●	●							
	DCGT070202MFNAM3	Up-sharp edge	55	6.35	2.38	7	0.18	-	●		●	●	●							
	DCGT070204MFNAM3	Up-sharp edge	55	6.35	2.38	7	0.38	-	●		●	●	●							
	DCGT11T300FNAM3	Up-sharp edge	55	9.525	3.97	7	0.03	-				●		●	●	●				
	DCGT11T301MFNAM3	Up-sharp edge	55	9.525	3.97	7	0.08	-	●		●	●	●	●	●	●				
	DCGT11T302FNAM3	Up-sharp edge	55	9.525	3.97	7	0.2	-				●			●	●				
	DCGT11T302MFNAM3	Up-sharp edge	55	9.525	3.97	7	0.18	-	●		●	●	●	●	●	●				
	DCGT11T304FNAM3	Up-sharp edge	55	9.525	3.97	7	0.4	-				●			●	●				
	DCGT11T304MFNAM3	Up-sharp edge	55	9.525	3.97	7	0.38	-	●		●	●	●	●	●	●				
	DCMT070202FNAM3	Up-sharp edge	55	6.35	2.38	7	0.2	-		●										
	DCMT070204FNAM3	Up-sharp edge	55	6.35	2.38	7	0.4	-		●										
	DCMT11T302FNAM3	Up-sharp edge	55	9.525	3.97	7	0.2	-		●										
	DCMT11T304FNAM3	Up-sharp edge	55	9.525	3.97	7	0.4	-		●										
	DCMT11T308FNAM3	Up-sharp edge	55	9.525	3.97	7	0.8	-		●										
	DCGT070201MAMX	Up-sharp edge	55	6.35	2.38	7	0.08	-		●	●		●							
	DCGT070202MAMX	Up-sharp edge	55	6.35	2.38	7	0.18	-		●	●		●							
	DCGT070204MAMX	Up-sharp edge	55	6.35	2.38	7	0.38	-		●	●		●							
	DCGT11T301MAMX	Up-sharp edge	55	9.525	3.97	7	0.08	-		●	●		●							
	DCGT11T302MAMX	Up-sharp edge	55	9.525	3.97	7	0.18	-		●	●		●							
	DCGT11T304MAMX	Up-sharp edge	55	9.525	3.97	7	0.38	-		●	●		●							
	DCGT070200AZ7	Up-sharp edge	55	6.35	2.38	7	0.03	-				●								
	DCGT070201MAZ7	Up-sharp edge	55	6.35	2.38	7	0.08	-				●								
	DCGT070202MAZ7	Up-sharp edge	55	6.35	2.38	7	0.18	-				●								
	DCGT11T300AZ7	Up-sharp edge	55	9.525	3.97	7	0.03	-				●	●	●		●				
	DCGT11T301MAZ7	Up-sharp edge	55	9.525	3.97	7	0.08	-				●	●	●		●				
	DCGT11T302MAZ7	Up-sharp edge	55	9.525	3.97	7	0.18	-				●	●	●		●				
	DCGT11T304MAZ7	Up-sharp edge	55	9.525	3.97	7	0.38	-				●	●	●		●				
	DCGT11T308AZ7	Up-sharp edge	55	9.525	3.97	7	0.8	-				●	●			●				
	DCMT11T304E004AZ8	E004	55	9.525	3.97	7	0.4	-											●	
	DCMT11T308E004AZ8	E004	55	9.525	3.97	7	0.8	-											●	



Steel	○	●	●	●	●	●	●	●	●
Stainless Steel	●	○	○	○	●	○	●	●	●
Cast Iron								●	
Non-Ferrous Material						○	○		●
Heat Resistant Alloy		●	○	○					
Hardened Material		○	○	○					
Others (non-metallic)									●

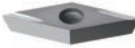
Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide											Uncoated
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	CVD	CVD	KM1	
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7			
(ISO)	°	mm	mm	°	mm	mm	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1				
	DCGT070200RS	Up-sharp edge	55	6.35	2.38	7	0.03	-					●			●	●			
	DCGT070200LS	Up-sharp edge	55	6.35	2.38	7	0.03	-								●	●			
	DCGT070201MRS	Up-sharp edge	55	6.35	2.38	7	0.08	-				●	●							
	DCGT070201RS	Up-sharp edge	55	6.35	2.38	7	0.1	-								●	●			
	DCGT070201LS	Up-sharp edge	55	6.35	2.38	7	0.1	-								●	●			
	DCGT070202MRS	Up-sharp edge	55	6.35	2.38	7	0.18	-				●	●							
	DCGT070202RS	Up-sharp edge	55	6.35	2.38	7	0.2	-								●	●			
	DCGT070202LS	Up-sharp edge	55	6.35	2.38	7	0.2	-								●	●			
	DCGT070204RS	Up-sharp edge	55	6.35	2.38	7	0.4	-									●			
	DCGT11T300RS	Up-sharp edge	55	9.525	3.97	7	0.03	-				●			●	●	●			
	DCGT11T300LS	Up-sharp edge	55	9.525	3.97	7	0.03	-								●				
	DCGT11T301MRS	Up-sharp edge	55	9.525	3.97	7	0.08	-				●	●	●						
	DCGT11T301RS	Up-sharp edge	55	9.525	3.97	7	0.1	-					●			●	●			
	DCGT11T301LS	Up-sharp edge	55	9.525	3.97	7	0.1	-								●				
	DCGT11T302MRS	Up-sharp edge	55	9.525	3.97	7	0.18	-				●	●	●						
	DCGT11T302RS	Up-sharp edge	55	9.525	3.97	7	0.2	-					●			●	●			
	DCGT11T302LS	Up-sharp edge	55	9.525	3.97	7	0.2	-								●				
	DCGT11T304MRS	Up-sharp edge	55	9.525	3.97	7	0.38	-				●	●	●						
	DCGT11T304RS	Up-sharp edge	55	9.525	3.97	7	0.4	-					●							
	DCGT070200RU	Up-sharp edge	55	6.35	2.38	7	0.03	-								●	●			
	DCGT070201RU	Up-sharp edge	55	6.35	2.38	7	0.1	-								●	●			
	DCGT070202RU	Up-sharp edge	55	6.35	2.38	7	0.2	-								●	●			
	DCGT070202LU	Up-sharp edge	55	6.35	2.38	7	0.2	-										●		
	DCGT11T300RU1	Up-sharp edge	55	9.525	3.97	7	0.03	-				●			●	●	●			
	DCGT11T300LU1	Up-sharp edge	55	9.525	3.97	7	0.03	-									●			
	DCGT11T301RU1	Up-sharp edge	55	9.525	3.97	7	0.1	-				●			●	●	●			
	DCGT11T301LU1	Up-sharp edge	55	9.525	3.97	7	0.1	-									●			
	DCGT11T302RU1	Up-sharp edge	55	9.525	3.97	7	0.2	-				●			●	●	●			
	DCGT11T302LU1	Up-sharp edge	55	9.525	3.97	7	0.2	-										●		
	DCGT11T304RU1	Up-sharp edge	55	9.525	3.97	7	0.4	-				●			●	●	●			
	DCGT11T304LU1	Up-sharp edge	55	9.525	3.97	7	0.4	-									●			
	DCET0702005RKHG	Up-sharp edge	55	6.35	2.38	7	0.05	-								●				
	DCET0702005LKHG	Up-sharp edge	55	6.35	2.38	7	0.05	-								●				
	DCET0702008RKHG	Up-sharp edge	55	6.35	2.38	7	0.08	-								●				
	DCET0702008LKHG	Up-sharp edge	55	6.35	2.38	7	0.08	-								●				
	DCET0702018RKHG	Up-sharp edge	55	6.35	2.38	7	0.18	-								●				
	DCET0702018LKHG	Up-sharp edge	55	6.35	2.38	7	0.18	-								●				
	DCET070202RKHG	Up-sharp edge	55	6.35	2.38	7	0.2	-								●				
	DCET070202LKHG	Up-sharp edge	55	6.35	2.38	7	0.2	-								●				
	DCET11T3005RKHG	Up-sharp edge	55	9.525	3.97	7	0.05	-						●		●				
	DCET11T3005LKHG	Up-sharp edge	55	9.525	3.97	7	0.05	-								●				
	DCET11T3008RKHG	Up-sharp edge	55	9.525	3.97	7	0.08	-						●		●				
	DCET11T3008LKHG	Up-sharp edge	55	9.525	3.97	7	0.08	-								●				
	DCET11T3018RKHG	Up-sharp edge	55	9.525	3.97	7	0.18	-						●		●				
	DCET11T3018LKHG	Up-sharp edge	55	9.525	3.97	7	0.18	-								●				
	DCET11T302RKHG	Up-sharp edge	55	9.525	3.97	7	0.2	-						●		●				
DCET11T302LKHG	Up-sharp edge	55	9.525	3.97	7	0.2	-								●					
	DCET0702008RUHG	Up-sharp edge	55	6.35	2.38	7	0.08	-								●				
	DCET11T3008RUHG	Up-sharp edge	55	9.525	3.97	7	0.08	-								●				
	DCET11T301MRAT	 Up-sharp edge	55	9.525	3.97	7	0.08	-						●						
	DCET11T302MRAT	 Up-sharp edge	55	9.525	3.97	7	0.18	-							●					
	DCGT11T3005AM3-WP	Up-sharp edge	55	9.525	3.97	7	0.05	(0.3)			●	●	●							
	DCGT11T3015AM3-WP	Up-sharp edge	55	9.525	3.97	7	0.15	(0.3)			●	●	●							
	DCGT0702005RS-WP	Up-sharp edge	55	6.35	2.38	7	0.05	(0.3)					●			●	●			
	DCGT0702005LS-WP	Up-sharp edge	55	6.35	2.38	7	0.05	(0.3)									●			
	DCGT0702015RS-WP	Up-sharp edge	55	6.35	2.38	7	0.15	(0.3)					●				●			
	DCGT0702015LS-WP	Up-sharp edge	55	6.35	2.38	7	0.15	(0.3)									●			
	DCGT11T3005RS-WP	Up-sharp edge	55	9.525	3.97	7	0.05	(0.3)					●			●	●			
DCGT11T3015RS-WP	Up-sharp edge	55	9.525	3.97	7	0.15	(0.3)					●				●				

Turning Insert

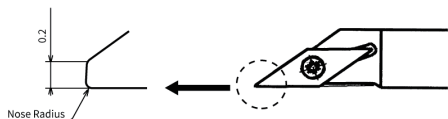
D



	A	B	C	D	E	F	G	H
Steel	☐	☒	☒	☒	☒	☒	☒	☒
Stainless Steel	☒	☐	☐	☐	☒	☐	☒	☒
Cast Iron								☒
Non-Ferrous Material					☐		☐	☒
Heat Resistant Alloy		☒	☐	☐				
Hardened Material	☐	☐	☐					
Others (non-metallic)								☒

Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide											Uncoated
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	
									ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1		
(ISO)	°	mm	mm	°	mm	mm	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1				
	VCGT110301MYL	Up-sharp edge	35	6.35	3.18	7	0.08	-	●	●	●	●	●							
	VCGT110302MYL	Up-sharp edge	35	6.35	3.18	7	0.18	-	●	●	●	●	●							
	VCGT110304MYL	Up-sharp edge	35	6.35	3.18	7	0.38	-	●	●	●	●	●							
	VCGT110202MCL	Up-sharp edge	35	6.35	2.38	7	0.18	-		●	●	●	●							
	VCGT110301MCL	Up-sharp edge	35	6.35	3.18	7	0.08	-	●	●	●	●	●							
	VCGT110302MCL	Up-sharp edge	35	6.35	3.18	7	0.18	-	●	●	●	●	●							
	VCGT110300FNAM3	Up-sharp edge	35	6.35	3.18	7	0.03	-			●		●	●						
	VCGT110301MFNAM3	Up-sharp edge	35	6.35	3.18	7	0.08	-	●		●	●	●	●						
	VCGT110301FNAM3	Up-sharp edge	35	6.35	3.18	7	0.1	-						●	●					
	VCGT110302MFNAM3	Up-sharp edge	35	6.35	3.18	7	0.18	-	●		●	●	●	●						
	VCGT110302FNAM3	Up-sharp edge	35	6.35	3.18	7	0.2	-						●	●					
	VCGT110304MFNAM3	Up-sharp edge	35	6.35	3.18	7	0.38	-	●		●	●	●	●						
	VCMT110302FNAM3	Up-sharp edge	35	6.35	3.18	7	0.2	-		●										
VCMT110304FNAM3	Up-sharp edge	35	6.35	3.18	7	0.4	-		●											
	VCGT110300AZ7	Up-sharp edge	35	6.35	3.18	7	0.03	-				●			●					
	VCGT110301MAZ7	Up-sharp edge	35	6.35	3.18	7	0.08	-				●			●					
	VCGT110302MAZ7	Up-sharp edge	35	6.35	3.18	7	0.18	-				●			●					
	VCGT110304MAZ7	Up-sharp edge	35	6.35	3.18	7	0.38	-				●			●					
	VCGT130300FR2M	Up-sharp edge	35	7.94	3.18	7	-	-		●										
	VCGT130300FL2M	Up-sharp edge	35	7.94	3.18	7	-	-		●										
	VCGT130301FR2M	Up-sharp edge	35	7.94	3.18	7	-	-		●										
	VCGT130301FL2M	Up-sharp edge	35	7.94	3.18	7	-	-		●										
	VCGT110300RU	Up-sharp edge	35	6.35	3.18	7	0.03	-						●	●					
	VCGT110301MRU	Up-sharp edge	35	6.35	3.18	7	0.08	-			●									
	VCGT110301RU	Up-sharp edge	35	6.35	3.18	7	0.1	-						●	●					
	VCGT110302MRU	Up-sharp edge	35	6.35	3.18	7	0.18	-			●									
	VCGT110302RU	Up-sharp edge	35	6.35	3.18	7	0.2	-						●	●					
	VCET1103008RUHG	Up-sharp edge	35	6.35	3.18	7	0.08	-						●						
	VCGT1103005RU-WP	Up-sharp edge	35	6.35	3.18	7	0.05	(0.2)						●	●					
	VCGT110301RU-WP	Up-sharp edge	35	6.35	3.18	7	0.1	(0.2)						●	●					
	VCGT1103005RSX-WP	 Up-sharp edge	35	6.35	3.18	7	0.05	(0.2)						●	●					
	VCGT110301RSX-WP	 Up-sharp edge	35	6.35	3.18	7	0.1	(0.2)						●	●					
	VCGW110300H	 Up-sharp edge	35	6.35	3.18	7	0.03	-								●				
	VCGW110301H	 Up-sharp edge	35	6.35	3.18	7	0.1	-								●				
	VCGW110302H	 Up-sharp edge	35	6.35	3.18	7	0.2	-								●				

■ Features of VCGT-WP insert



NTK WP style inserts have a wiper facet design.

The insert has a 0.2mm 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: SVAC

			Steel																	○	●	●	●	●	●	●	●	●	
			Stainless Steel																	●	○	○	○	●	○	●			●
			Cast Iron																										●
			Non-Ferrous Material																					○		○			●
			Heat Resistant Alloy																		●		○	○					
			Hardened Material																		○		○	○					
			Others (non-metallic)																										●
Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide											Uncoated									
	PVD								PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD										
	(ISO)		°	mm	mm	°	mm	mm	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7	KM1											
	VNMG160402FNZP	Up-sharp edge	35	9.525	4.76	-	0.2	-		●		●																	
	VNMG160404FNZP	Up-sharp edge	35	9.525	4.76	-	0.4	-		●		●																	
	VNMG160408FNZP	Up-sharp edge	35	9.525	4.76	-	0.8	-		●		●																	
	VNMG160404G	-	35	9.525	4.76	-	0.4	-									●												
	VNMG160408G	-	35	9.525	4.76	-	0.8	-									●												
	VNMG160412G	-	35	9.525	4.76	-	1.2	-									●												
	VNMG160404T00525AM1	T00525	35	9.525	4.76	-	0.4	-		●		●																	
	VNMG160408T00525AM1	T00525	35	9.525	4.76	-	0.8	-		●		●																	

VP.T

			Steel																	☐	☒	☒	☒	☒	☒	☒	☒		
			Stainless Steel																	☒	☐	☐	☐	☒	☐	☒	☐	☒	
			Cast Iron																									☒	☒
			Non-Ferrous Material																					☐		☐			☒
			Heat Resistant Alloy																		☒	☐	☐						
			Hardened Material																	☐	☐	☐							
			Others (non-metallic)																										☒
Shape	Item Number	CECC	EPSR	IC	S	AN	RE	BS	Carbide											Uncoated									
									PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	PVD	CVD	CVD		KM1								
	(ISO)		°	mm	mm	°	mm	mm	ST4	DM4	DT4	QM3	TM4	VM1	ZM3	CP1	CP7												
	VPET0802005LKHG	Up-sharp edge	35	4.76	2.38	11	0.05	-						☒															
	VPET0802008RKHG	Up-sharp edge	35	4.76	2.38	11	0.08	-			☒		☒	☒															
	VPET0802008LKHG	Up-sharp edge	35	4.76	2.38	11	0.08	-						☒															
	VPET0802018RKHG	Up-sharp edge	35	4.76	2.38	11	0.18	-					☒	☒															
	VPET0802018LKHG	Up-sharp edge	35	4.76	2.38	11	0.18	-						☒															
	VPET080202RKHG	Up-sharp edge	35	4.76	2.38	11	0.2	-					☒	☒															
	VPET080202LKHG	Up-sharp edge	35	4.76	2.38	11	0.2	-						☒															
	VPET1103005RKHG	Up-sharp edge	35	6.35	3.18	11	0.05	-					☒	☒															
	VPET1103005LKHG	Up-sharp edge	35	6.35	3.18	11	0.05	-						☒															
	VPET1103008RKHG	Up-sharp edge	35	6.35	3.18	11	0.08	-					☒	☒															
	VPET1103008LKHG	Up-sharp edge	35	6.35	3.18	11	0.08	-						☒															
	VPET1103018RKHG	Up-sharp edge	35	6.35	3.18	11	0.18	-					☒	☒															
	VPET1103018LKHG	Up-sharp edge	35	6.35	3.18	11	0.18	-						☒															
	VPET110302RKHG	Up-sharp edge	35	6.35	3.18	11	0.2	-					☒	☒															
	VPET110302LKHG	Up-sharp edge	35	6.35	3.18	11	0.2	-						☒															
	VPET0802008LUHG	Up-sharp edge	35	4.76	2.38	11	0.08	-			☒																		
	VPET0802008RUHG	Up-sharp edge	35	4.76	2.38	11	0.08	-			☒																		
	VPGT110300FNAM3	Up-sharp edge	35	6.35	3.18	11	0.03	-			☒		☒																
	VPGT110301MFNAM3	Up-sharp edge	35	6.35	3.18	11	0.08	-	☒		☒	☒	☒																
	VPGT110302MFNAM3	Up-sharp edge	35	6.35	3.18	11	0.18	-	☒		☒	☒	☒																

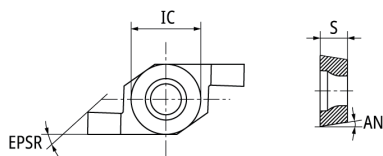
Turning Insert

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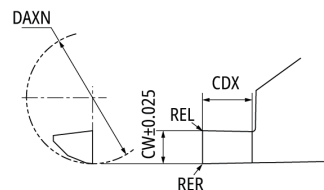
Face Grooving SATURN DUO

FGV_FBV.. series/Inserts Carbide

FGV

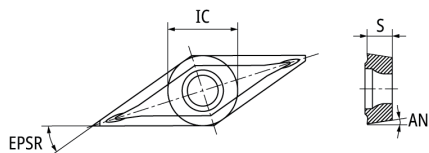


● Diagram shows right-hand tool



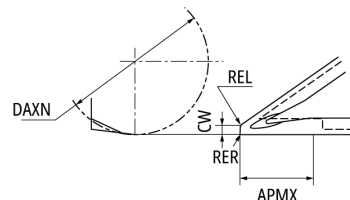
Item Number	Hand	Chip-breaker	DAXN	APMX	CDX	AN	CW	EPSR	IC	REL	RER	S	Carbide PVD TM4
FGV100RB00D6	R	Yes	6	1.5	1.75	7	1	35	6.35	0	0	2.38	●
FGV100RB05D6	R	Yes	6	1.5	1.8	7	1	35	6.35	0.05	0.05	2.38	●
FGV150RB00D6	R	Yes	6	2	2.2	7	1.5	35	6.35	0	0	2.38	●
FGV150RB05D6	R	Yes	6	2	2.3	7	1.5	35	6.35	0.05	0.05	2.38	●
FGV200RB00D6	R	Yes	6	3	3.2	7	2	35	6.35	0	0	2.38	●
FGV200RB05D6	R	Yes	6	3	3.3	7	2	35	6.35	0.05	0.05	2.38	●
FGV100LB00D6	L	Yes	6	1.5	1.75	7	1	35	6.35	0	0	2.38	●
FGV100LB05D6	L	Yes	6	1.5	1.8	7	1	35	6.35	0.05	0.05	2.38	●
FGV150LB00D6	L	Yes	6	2	2.2	7	1.5	35	6.35	0	0	2.38	●
FGV150LB05D6	L	Yes	6	2	2.3	7	1.5	35	6.35	0.05	0.05	2.38	●
FGV200LB00D6	L	Yes	6	3	3.2	7	2	35	6.35	0	0	2.38	●
FGV200LB05D6	L	Yes	6	3	3.3	7	2	35	6.35	0.05	0.05	2.38	●

FBV



● Diagram shows right-hand tool

Note: Only CH-FGVR and DS-FGVR can take FBV Right hand insert.



Item Number	Hand	Chip-breaker	DAXN	APMX	AN	CW	EPSR	IC	REL	RER	S	Carbide PVD TM4
FBV40R05D8AM3	R	Yes	8	4	7	(0.5)	35	6.35	0.2	0.05	2.38	●
FBV40R15D8AM3	R	Yes	8	4	7	(0.5)	35	6.35	0.2	0.15	2.38	●