

<b>55° INSERT TOOLS</b>		<b>Base Identification</b> Standard - DCGW070202 Large - DCMW11T304		<b>Mounting Screw</b> Metric 2.5 x 6 / T08 (T08 is a torx driver) <b>Torque Specification</b> 6 Lb/inch		
		<b>TURNING</b>	<b>SHARP POINT VEE</b>	<b>FLYCUTTING MILLING</b>	<b>BORING</b>	<b>FORM TOOLS</b>
<b>Diamond Types</b>	CVD Pure Diamond (Poly-crystal)	Yes	Yes	Yes	Yes	Yes
	E-diamond synthetic (Dodec 110)	Yes	Yes	Yes	Yes	No
	MCC synthetic (Dodec 110)	Yes	Yes	Yes	Yes	No
	Mono-Die synthetic (Dodec 110)	Yes	Yes	Yes	Yes	No
	Natural (Dodec 110)	Yes	Yes	Yes	Yes	No
	Sumitomo synthetic (Cubic 100)	Yes	Yes	Yes	Yes	No
<b>Minimum Radius</b>		1.0 micron*	NA	1.0 mm	< 0.1 mm	60 micron
<b>Maximum Radius</b>		2.0 mm	NA	100 mm	> 100 mm	> 100 mm
<b>Arc</b>		1° to 125°	NA	Diamond Dependent	> 100°	> 180°
<b>Included Angle (Top Angle)</b>		55° to 179°	55° to 179°	NA	55° to 90°	55° to 179°
<b>Rank Angle</b>		+2.5° to -35°	+2.5° to -35°	+2.5° to -35°	+2.5° to -35°	0°
<b>Front Clearance Angle</b>		5° to 40°	5° to 50°	5° std	5° std.	15°
<b>Cutting Edge Waviness</b>		2.0µm to <50nm	NA	2.0µm	2.0µm	1.0µm
	Base Material - Tungsten	Yes	Yes	Yes	Yes	Yes
	Other inserts provided upon request					

\* CVD Diamond minimum radius dependent on included angle

Other rake angles upon request