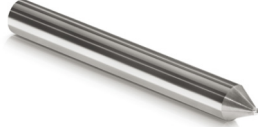




MILLING TOOLS

				
		Ball mill	Cylindrical mill	Iol mill
Diamond Types	CVD Pure Diamond (Poly-crystal)	Yes	Yes	Yes
	E-diamond synthetic (Dodec 110 orientation)	Yes	Yes	Yes
	MCC synthetic (Dodec 110 orientation)	Yes	Yes	Yes
	Mono-Die synthetic (Dodec 110 orientation)	Yes	Yes	Yes
	Natural (Dodec 110 orientation)	Yes	Yes	Yes
	Sumitomo synthetic (Cubic 100 orientation)	Yes	Yes	
Minimum Radius		0.1 mm (Minimum tip)	0.19 mm (Minimum swing)	0.135 mm (Minimum swing Radius)
Maximum Radius		3.0 mm (tip)	5.00 mm (swing) CVD 0.60 mm (swing diam. on request)	Swing radius on Request
Arc		90°	NA	NA
Included Angle (Top Angle)		NA	NA	NA
Rake Angle		0°	0°	0°
Front Clearance Angle		15°	15°	16°
Cutting Edge Waviness		2.0µm to 50nm	NA	NA
Setting accuracy of diamond to shank X-Plane		±0.01 mm Or ±0.001mm	±0.01 mm Or ±0.001mm	±0.01 mm Or ±0.02 mm
Setting accuracy of diamond to shank Y-Plane		±0.002 mm	±0.002 mmq	±0.01 mm
Round Shank 3.0, 3.17, 4.0, 6.0 & 6.35 mm Ø, 35.0 mm minimum length suggested. Other shank types and sizes provided upon request.		Yes	Yes	Ø2 - Ø3 - Ø3,17 - Ø 4 mm