





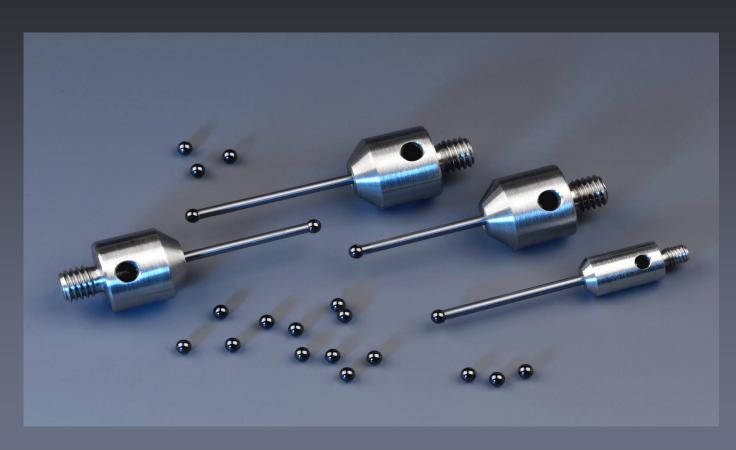
The diamond balls consist of a silicon-carbide core and a thick (50-100 μ m) polycrystalline CVD diamond coating.

Polycrystalline diamond is extremely wear resistant. It even exceeds the wear resistance of single crystal diamond.

No material build up on scanning surfaces

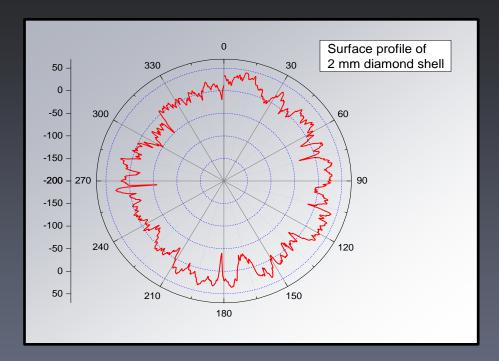
Diamond balls are available in sizes $0.4 - 10 \text{ mm } \emptyset$





Mounting:

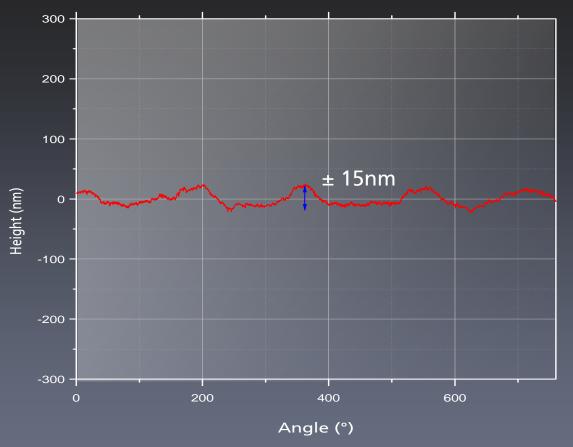
High Temperature Vacuum Brazing on Tungsten Carbide Stems







- < 5 nm Surface roughness (rms)
- < 50 nm deviation from sphericity



Sphericity as analyzed with a high precision sphere mapper.

Diamond spheres have been demonstrated with less than 15 nm out of roundness (deviation from a perfect sphere) – much better than grade 3

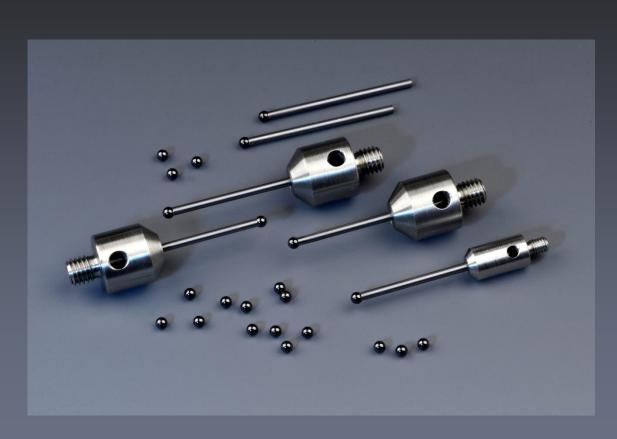




Ultra abrasion resistant contact points for dial gauges and comparator gauges.

The mechanical contact is made by a high-precision plano-convex diamond inserts with a perfect spherical surface





For further information about pricing and availability please contact:

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