



Special Internal Micrometer



SPECIAL APPLICATIONS

Although Bowers produce the most comprehensive series of internal measuring equipment available, not all applications can be covered by the standard instrument range. In line with the customer care ethos, Bowers have earned a reputation for manufacturing special heads for measuring non-standard applications. The following information illustrates some of the many difficult measuring problems easily solved by these special heads.

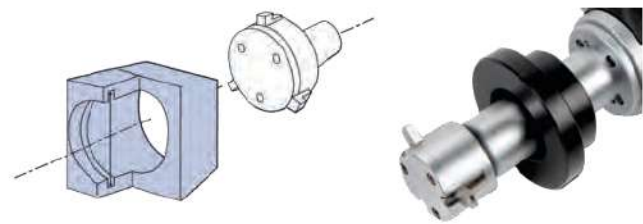
Screw Threads

To measure effective diameter of internal threads. Also available for pitch diameter measurement and major diameter measurement.



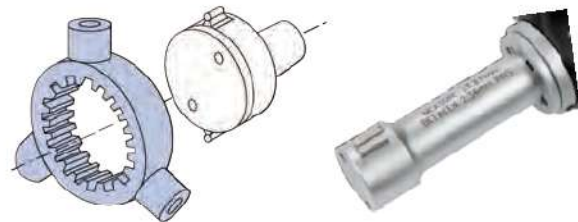
Grooves

To measure diameter of internal grooves i.e. Oil Seal, 'O' Ring, Ball Race, Annular, Special form grooves.



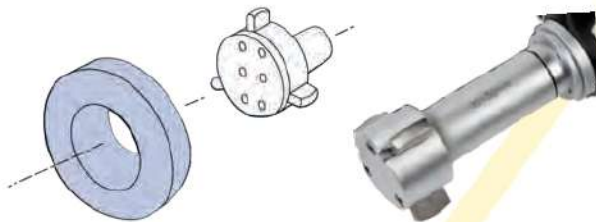
Internal Splines

To measure between pin or between ball diameter of internal splines. 2 and 3 point heads available. Also available for minor and major diameter measurement. Anvils manufactured from tool steel.



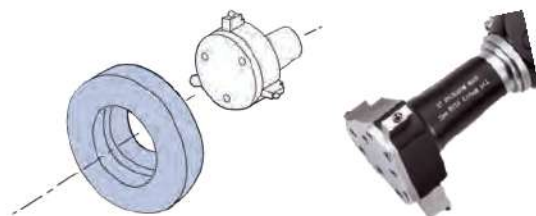
Spherical Radius

To measure spherical bores. Gives good repeatability even when out of line with bore Centre. 2 and 3 point heads available. Preferred in case of deep hole measurement also.



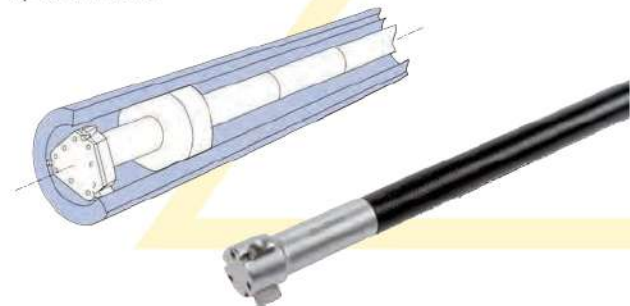
Ball Screw Threads

To measure diameters of ball screw threads using ball anvils.



Deep Hole

To measure bores up to 2 meters deep with standard extensions. Pneumatic system available from 50mm diameter for depths of up to 15 meters.



Products on demand:

Special heads for taper bores, bores with irregular spacing, Gun barrel heads, Automotive Hose heads, Slot width heads.