



BOWERS GROUP

Specials - Internal Threads



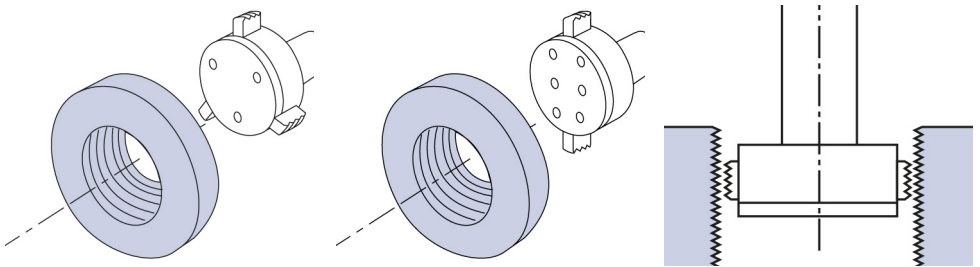


Specials - Internal Threads

Whilst the accurate measurement of external threads is a relatively simple gauging task, the measurement of internal threads has traditionally been regarded as an extremely problematic chore. When faced with the need to accurately measure a critical internal thread, a standard Bowers XT3 Holematic Bore Gauge is supplied with internal thread measuring anvils.

Not only has the XT3 Holematic an impressive, extended travel capability of the anvils, the bore gauge head is adapted to accurately measure internal threads. Bowers is now able to provide the global industry with a full range of extremely accurate internal thread measuring gauges by precisely machining the male profiles of all standard and even in-house created threads onto its hardwearing measuring anvils, thus rendering the use of the traditional, and often subjective, screw plug-gauges obsolete. In addition, a single head can measure various classes of fit, pre and post-plate, pre and post heat-treatment, and the larger heads have the ability to measure a range of thread sizes, e.g. M40-M50, while the 2-point heads can also check ovality.

The Bowers Holematic pistol grip system allows for fast, single handed operation with a constant force resulting in very high gauge repeatability and reproducibility results, independent of the operator's "feel" and experience. With an impressive IP67 rating, a large, clear digital display, metric/inch conversion and an USB or (optional) Bluetooth data output, the XT3 Holematic Bore Gauge can measure thread sizes from M4 up to 300mm.



Internal Thread Measurement

- High repetitive measurement accuracy, independent of operator's reading interpretation
- To measure effective (functional) diameter, pitch and major diameter
- Range M4 - 300mm+ (0.15" - 12"+) diameter
- Forms include ISO Metric, Unified, Whitworth, Buttress, Trapezoidal, ACME, ballscrews and user defined specials
- Standard deep hole extensions can be used above M10 for measurement of deep threads
- Interchangeable with standard heads
- 2 and 3-point, ball screw threads
- 2-point heads to check ovality
- The gauges are supplied with thread rings for calibration.

