



XT500 Large Diameter 3-point Bore Gauge

The **Bowers XT500** large diameter 3-point bore-gauge has been designed specifically for the measurement of internal diameters between 300 and 500mm. The newly designed constant-force digital readout ensures that the measuring pressure remains constant throughout the measurement whilst radiussed measuring anvils provide optimum centralisation in the part. Anvil sets are supplied in 25mm steps (300-325, 325-350 etc) and each set has been manufactured to the exact toleranced size. The 300-325mm anvils are the master reference set and are used for setting the gauge in the setting ring. The other anvil sets are then fitted as required without further re-setting. This means that only one 300mm setting ring is required to set the gauge for all diameters in the full 300-500mm range of the instrument.

WiFi

RS232

Features

- Measuring range: 300-500mm
- New constant-force digital readout
- Single 300mm setting ring covers full range
- Radiussed anvils of tool-steel for optimum centering
- Accuracy: 15µm
- Repeatability: 3µm
- IP65 electronics
- RS-232 output
- Resolution 0.01/0.001mm. Metric/inch switchable
- Fast accurate measurement
- Extensions available for deeper bores
- UKAS certificate with setting ring
- Certificate of conformity with bore gauge
- Supplied in fitted case



The Bowers XT500 with extension for deeper bores

INDIVIDUAL INSTRUMENTS: Supplied with digital display unit, measuring head with exchangeable anvils and setting ring with UKAS certificate

Code No (mm)	Range (mm)	Accuracy (mm)	Depth (mm)	Setting Ring (mm)
XT5001M	300-325	15µm	120	300
XT5002M	300-325, 325-350	15µm	120	300
XT5003M	300-325, 350-375	15µm	120	300
XT5004M	300-325, 375-400	15µm	120	300
XT5005M	300-325, 400-425	15µm	120	300
XT5006M	300-325, 425-450	15µm	120	300
XT5007M	300-325, 450-475	15µm	120	300
XT5008M	300-325, 475-500	15µm	120	300

SETS: Supplied with digital display unit, measuring head with exchangeable anvils and setting ring with UKAS certificate

Code No (mm)	Range (mm)
SXT3000M	300-400
SXT4000M	300-325, 400-500
SXT5000M	300-500

DATA TRANSMISSION

Code No	Description
XTiP001	Serial Data Output Cable
XTiP002	USB Data Output Cable
XTiP003	Wireless Powered Opto Module