Analogue Bore Gauges

Bowers XT Analogue Bore Gauges are an economical solution to accurate shop-floor bore measurement. The extended mechanical travel of these advanced two or three point gauges ensures that exchanging measuring anvils is now unnecessary. Their wide application range, 2-300mm, rugged construction and easy read scale, ensure both accuracy and ease of use. XT measuring heads and setting rings are supplied with UKAS certification.

Bowers has developed XTA Micro to cover the measuring range 2-20mm. The XTA Micro incorporates a more compact mechanical controller and Vernier scale for improved resolution.



XTA Micro Features

- More compact mechanical controller
- Lighter and ergonomically designed
- Improved functionality
- Vernier scale added to 2-20mm range to improve resolution from 5µ to 2µ



MXTA10M – XTA Micro

Features

- Range 2-300mm (0.080"-12")
- 2-6mm 2 point / 6-300mm 3 point measurement
- Graduation XTA Micro 2-6mm: 0.001mm, 6-20mm: 0.002mm
- Graduation XTA 20-300mm: 0.005mm
- Graduation XTA Micro 0.080"-1/4": 0.0001", 1/4"-3/4": 0.0001"
- Graduation XTA 3/4-12": 0.00025"
- Tungsten carbide measuring faces on all 3-point heads from 12.5mm
- Blind bore measurement from 2mm-6mm and above 12.5mm (0.500")
- Extensions available above 6mm for deep hole measurement
- Ratchet stop to ensure consistent measurement
- Setting rings included with individual instruments and sets
- UKAS certificates supplied as standard with all setting rings
- UKAS certificate supplied as standard with all XT mechanical gauges
- Serial number on all gauges
- Bore gauges manufactured according to DIN 863, part 4
- Supplied in fitted case



SMXTA3M



Analogue Bore Gauges

XTA MICRO: Individual instruments supplied with setting ring and UKAS

Code No	Code No (without Ring)	Range (mm)	Accuracy (mm)	Depth (mm)	Setting Ring (mm)
MXTA1M	MXTA1W	2-2.5	0.004	9	2.50
MXTA2M	MXTA2W	2.5-3	0.004	9	2.50
MXTA3M	MXTA3W	3-4	0.004	12	4.00
MXTA4M	MXTA4W	4-5	0.004	18	4.00
MXTA5M	MXTA5W	5-6	0.004	18	5.00
MXTA6M	MXTA6W	6-8	0.004	58	8.00
MXTA8M	MXTA8W	8-10	0.004	58	8.00
MXTA10M	MXTA10W	10-12.5	0.004	58	12.50
MXTA12M	MXTA12W	12.5-16	0.004	62	12.50
MXTA16M	MXTA16W	16-20	0.004	62	20.00

Code No	Range (inch)	Accuracy (inch)	Depth (inch)	Setting Ring (inch)
MXTA1i	0.080-0.100	0.00015	0.35	0.1000
MXTA2i	0.100-0.120	0.00015	0.35	0.1000
MXTA3i	0.120-0.160	0.00015	0.47	0.1600
MXTA4i	0.160-0.200	0.00015	0.70	0.1600
MXTA5i	0.200-0.250	0.00015	0.70	0.2000
MXTA6i	1/4-5/16	0.00015	2.28	0.3125
MXTA8i	5/16-3/8	0.00015	2.28	0.3125
MXTA10i	3/8-1/2	0.00015	2.28	0.500
MXTA12i	1/2-5/8	0.00015	2.44	0.500
MXTA16i	5/8-3/4	0.00015	2.44	0.750

XTA STANDARD: Individual instruments supplied with setting ring and UKAS

Code No	Code No (without Ring)	Range (mm)	Accuracy (mm)	Depth (mm)	Setting Ring (mm)
XTA20M	XTA20W	20-25	0.004	66	20.00
XTA25M	XTA25W	25-35	0.004	66	35.00
XTA35M	XTA35W	35-50	0.004	80	35.00
XTA50M	XTA50W	50-65	0.005	80	65.00
XTA65M	XTA65W	65-80	0.005	80	65.00
XTA80M	XTA80W	80-100	0.005	100	80.00
XTA100M	XTA100W	100-125	0.006	115	125.00
XTA125M	XTA125W	125-150	0.006	115	125.00
XTA150M	XTA150W	150-175	0.007	115	175.00
XTA175M	XTA175W	175-200	0.007	115	175.00
XTA200M	XTA200W	200-225	0.008	118	225.00
XTA225M	XTA225W	225-250	0.008	118	225.00
XTA250M	XTA250W	250-275	0.009	118	275.00
XTA275M	XTA275W	275-300	0.009	118	275.00

Code No	Range (inch)	Accuracy (inch)	Depth (inch)	Setting Ring (inch)
XTA20i	3/4-1	0.00015	2.62	0.750
XTA25i	1-1 3/8	0.00015	2.62	1.375
XTA35i	1 3/8-2	0.00015	3.15	1.375
XTA50i	2-2 5/8	0.00020	3.15	2.625
XTA65i	2 5/8-3 1/4	0.00020	3.15	2.625
XTA80i	3 1/4-4	0.00020	3.94	3.250
XTA100i	4-5	0.00025	4.53	5.000
XTA125i	5-6	0.00025	4.53	5.000
XTA150i	6-7	0.00030	4.53	7.000
XTA175i	7-8	0.00030	4.53	7.000
XTA200i	8-9	0.00030	4.65	9.000
XTA225i	9-10	0.00030	4.65	9.000
XTA250i	10-11	0.00035	4.65	11.000
XTA275i	11-12	0.00035	4.65	11.000

XTA MICRO SETS: Supplied with individual instrument, setting rings and UKAS

Code No	Code No (without Ring)	Range (mm)	Measuring Heads	Setting Rings	Code No	Range (inch)
SMXTA1M	SMXTA1W	2-3	2	1	SMXTA1i	0.080-0.120
SMXTA2M	SMXTA2W	3-6	3	2	SMXTA2i	0.120-0.250
SMXTA3M	SMXTA3W	6-10	2	1	SMXTA3i	1/4-3/8
SMXTA4M	SMXTA4W	10-20	3	2	SMXTA4i	3/8-3/4

XTA STANDARD SETS: Supplied with individual instrument, setting rings and UKAS

Code No	Range (mm)	Measuring Heads	Setting Rings	Code No	Range (inch)
SXTA5M	20-50	3	2	SXTA5i	3/4-2
SXTA6M	50-100	3	2	SXTA6i	2-4
SXTA7M	100-150	2	1	SXTA7i	4-6
SXTA8M	150-200	2	1	SXTA8i	6-8

XT SETTING RINGS

Code No	Setting Ring (mm)	Code No	Setting Ring (inch)
XTR3M	2.5	XTR3i	0.1000
XTR5M	4.00	XTR5i	0.1600
XTR7M	5.00	XTR7i	0.2000
XTR8M	8.00	XTR8i	0.3125
XTR12M	12.50	XTR12i	0.500
XTR20M	20.00	XTR20i	0.750
XTR35M	35.00	XTR35i	1.375
XTR65M	65.00	XTR65i	2.625
XTR80M	80.00	XTR80i	3.250
XTR125M	125.00	XTR125i	5.000
XTR175M	175.00	XTR175i	7.000
XTR225M	225.00	XTR225i	9.000
XTR275M	275.00	XTR275i	11.000

EXTENSIONS

Code No	Length (mm)	Length (inch)	To Fit Heads (mm)	To Fit Heads (inch)
EGX0200	63	2.5	6-10	1/4-3/8
EGX0400	76	3.0	10-12.5	3/8-1/2
EGX0500	100	4.0	12.5-20	1/2-3/4
EGX0001	150	6.0	20-50	3/4-2
EGX0004	150	6.0	50-300	2-12