

Mechanical Internal Micrometer



XTA SERIES

Bowers' XT Analogue Internal Micrometers 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 Analogue Internal Micrometers are supplied with UKAS certification. Bowers has launched the XTA Micro to cover the measuring range 2-20mm. The XTA Micro incorporates a more compact mechanical controller and Vernier scale for improved resolution.

TECHNICAL SPECIFICATIONS: Individual Instruments supplied with Setting Ring

Code No (mm)	Range (mm)	Code No (inch)	Range (inch)	Accuracy		Depth		Setting Ring	
				(mm)	(inch)	(mm)	(inch)	(mm)	(inch)
MXTA1M	2-2.5	MXTA1i	0.080-0.100"	0.004	0.00015"	9	0.35"	2.50	0.1000"
MXTA2M	2.5-3	MXTA2i	0.100-0.120"	0.004	0.00015"	9	0.35"	2.50	0.1000"
MXTA3M	3-4	MXTA3i	0.120-0.160"	0.004	0.00015"	12	0.47"	4.00	0.1600"
MXTA4M	4-5	MXTA4i	0.160-0.200"	0.004	0.00015"	18	0.70"	4.00	0.1600"
MXTA5M	5-6	MXTA5i	0.200-0.250"	0.004	0.00015"	18	0.70"	5.00	0.2000"
MXTA6M	6-8	MXTA6i	1/4-5/16"	0.004	0.00015"	58	2.28"	8.00	0.3125"
MXTA8M	8-10	MXTA8i	5/16-3/8"	0.004	0.00015"	58	2.28"	8.00	0.3125"
MXTA10M	10-12.5	MXTA10i	3/8-1/2"	0.004	0.00015"	58	2.28"	12.50	0.500"
MXTA12M	12.5-16	MXTA12i	1/2-5/8"	0.004	0.00015"	62	2.44"	12.50	0.500"
MXTA16M	16-20	MXTA16i	5/8-3/4"	0.004	0.00015"	62	2.44"	20.00	0.750"
XTA20M	20-25	XTA20i	3/4-1"	0.004	0.00015"	66	2.62"	20.00	0.750"
XTA25M	25-35	XTA25i	1-1 3/8"	0.004	0.00015"	66	2.62"	35.00	1.375"
XTA35M	35-50	XTA35i	1 3/8-2"	0.004	0.00015"	80	3.15"	35.00	1.375"
XTA50M	50-65	XTA50i	2-2 5/8"	0.005	0.00020"	80	3.15"	65.00	2.625"
XTA65M	65-80	XTA65i	2 5/8-3 1/4"	0.005	0.00020"	80	3.15"	65.00	2.625"
XTA80M	80-100	XTA80i	3 1/4-4"	0.005	0.00020"	100	3.94"	80.00	3.250"
XTA100M	100-125	XTA100i	4-5"	0.006	0.00025"	115	4.53"	125.00	5.000"
XTA125M	125-150	XTA125i	5-6"	0.006	0.00025"	115	4.53"	125.00	5.000"
XTA150M	150-175	XTA150i	6-7"	0.007	0.00030"	115	4.53"	175.00	7.000"
XTA175M	175-200	XTA175i	7-8"	0.007	0.00030"	115	4.53"	175.00	7.000"
XTA200M	200-225	XTA200i	8-9"	0.008	0.00030"	118	4.65"	225.00	9.000"
XTA225M	225-250	XTA225i	9-10"	0.008	0.00030"	118	4.65"	225.00	9.000"
XTA250M	250-275	XTA250i	10-11"	0.009	0.00035"	118	4.65"	275.00	11.000"
XTA275M	275-300	XTA275i	11-12"	0.009	0.00035"	118	4.65"	275.00	11.000"

FEATURES

- Range 2 - 300 mm (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
- Tungsten carbide measuring faces on all 3-point heads from 12.5mm
- Blind bore measurement from 2mm-6mm and above 12.5 mm (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 certificate supplied as standard with all XT mechanical micrometers
- Serial number on all gauges
- Internal Micrometers manufactured according to DIN 863, part 4
- After Sales Service



SETS: Supplied with analogue internal micrometers and setting rings

Range (mm)	Code No	Range (inch)	Code No
2-3mm	SMXTA1M	0.080-0.120"	SMXTA1i
3-6mm	SMXTA2M	0.120-0.25"	SMXTA2i
6-10mm	SMXTA3M	1/4-3/8"	SMXTA3i
10-20mm	SMXTA4M	3/8-3/4"	SMXTA4i
20-50mm	SXTA5M	3/4-2"	SXTA5i
50-100mm	SXTA6M	2-4"	SXTA6i
100-150mm	SXTA7M	4-6"	SXTA7i
150-200mm	SXTA8M	6-8"	SXTA8i

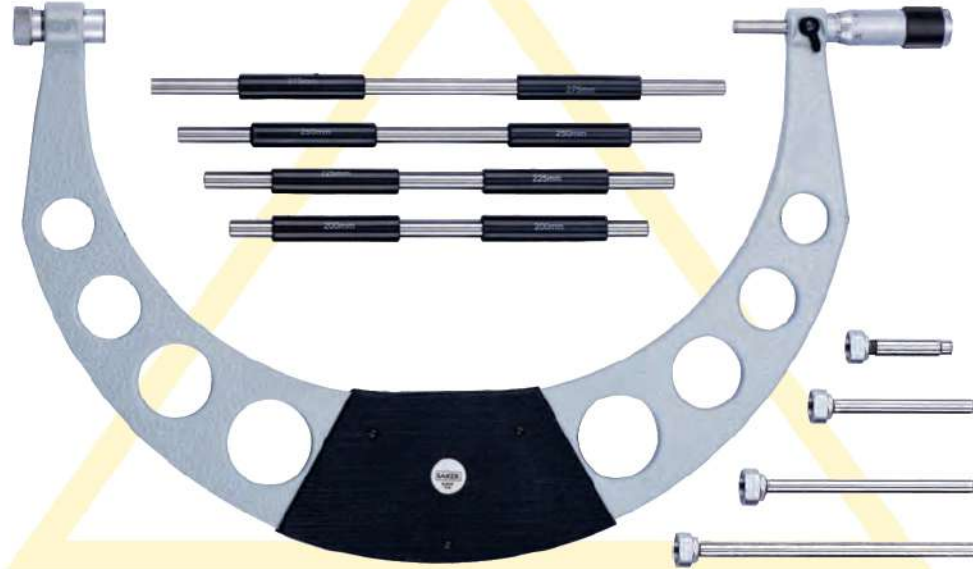
EXTENSIONS:

Code No.	Length		To Fit Heads	
	mm	inch	mm	inch
EGX 0200	63	2.5"	6-10	1/4-3/8"
EGX 0400	76	3.0"	10-12.5	3/8-1/2"
EGX 0500	100	4.0"	12.5-20	1/2-3/4"
EGX 0001	150	6.0"	20-50	3/4-2"
EGX 0004	150	6.0"	50-300	2-12"



Mechanical External Micrometer

Micrometer with interchangeable Anvils

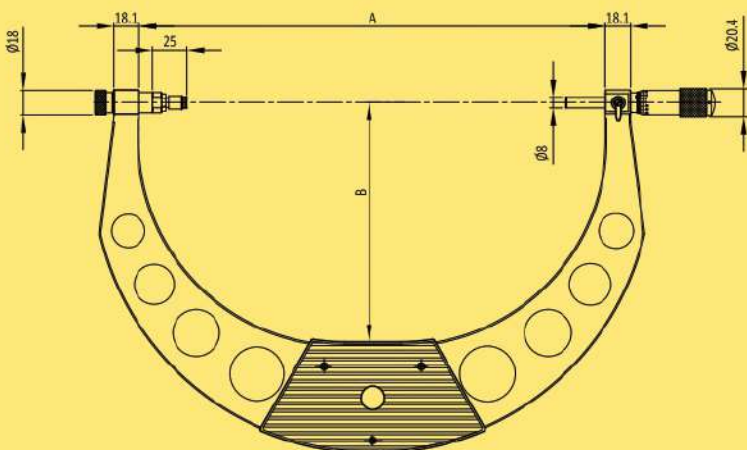


MMI200-300

Measuring Range mm	Reading mm	Type	A mm	B mm	Measuring Range inch	Reading inch	Type	Number Of Setting Standards	Number Of Interchangeable Anvils	Weight grams
0-100	0.01	MMI0-100	133	70	0-4"	0.001"	INI0-4	3	4	600
	0.001	MMI0-100-1				0.0001"	INI0-4-1	3	4	
0-150	0.01	MMI0-150	183	95	0-6"	0.001"	INI0-6	5	6	850
	0.001	MMI0-150-1				0.0001"	INI0-6-1	5	6	
150-300	0.01	MMI150-300	337	175	6-12"	0.001"	INI6-12	6	6	1700
	0.001	MMI150-300-1				0.0001"	INI6-12-1	6	6	
200-300	0.01	MMI200-300	337	175	8-12"	0.001"	INI8-12	4	4	1700
	0.001	MMI200-300-1				0.0001"	INI8-12-1	4	4	
*300-400	0.01	MMI300-400	437	225	12-16"	0.001"	INI12-16	4	4	2500
*400-500	0.01	MMI400-500	537	275	16-20"	0.001"	INI16-20	4	4	3000

NOTE:-

- *External Micrometer above Range 300mm & 12inch, Supplied without Handle shell (insulating Grip)
- Setting Standards - up to 300mm & 12inch - Both Ends Flat Face.
Above 300mm & 12inch - Both Ends Spherical



FEATURES

- Interchangeable anvils
- Spindle made from stainless steel for rust prevention (Ø8.0 mm, pitch 0.5mm and Stroke 25mm)
- Measuring faces : carbide tipped, precision ground & micro lapped
- An inbuilt ratchet in the thimble
- Sharp laser marking for better visibility & durability



Micrometer with Add on Extension Anvil



MME700-800

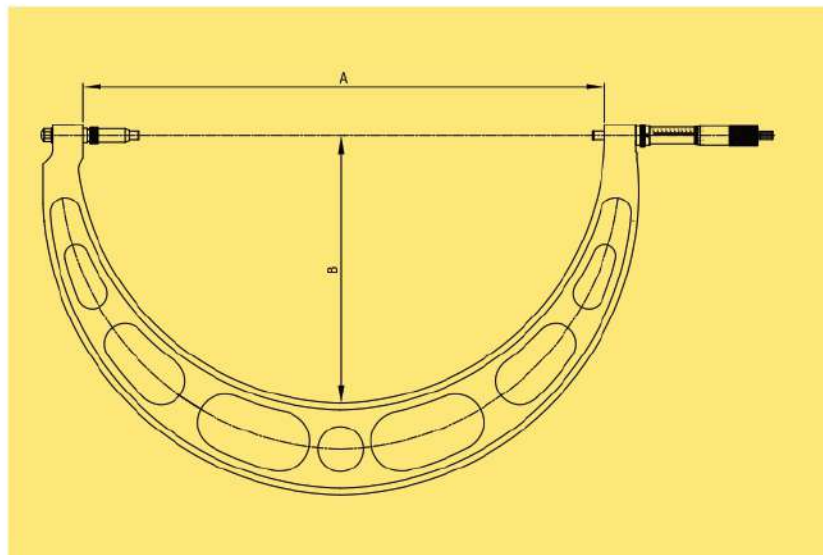
Measuring Range mm	Reading mm	Type	A mm	B mm	Measuring Range inch	Reading inch	Type	Number Of Setting Standards	Number Of Interchangeable Anvil	Weight grams
500-600	0.01	MME500-600	644	325	20-24"	0.001"	INE20-24	1	1	3700
600-700	0.01	MME600-700	745	375	24-28"	0.001"	INE24-28	1	1	4300
700-800	0.01	MME700-800	846	425	28-32"	0.001"	INE28-32	1	1	4600
800-900	0.01	MME800-900	948	475	32-36"	0.001"	INE32-36	1	1	5600
900-1000	0.01	MME900-1000	1050	525	36-40"	0.001"	INE36-40	1	1	6800

NOTE:-

- Setting Standards - Both End Spherical

FEATURES

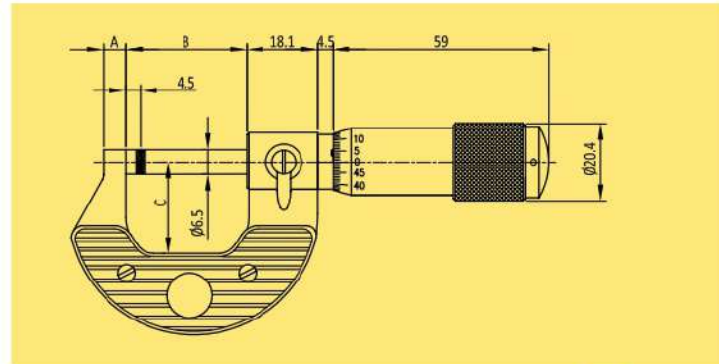
- Sturdy & Light weight Aluminum frame design
- Measuring faces: carbide tipped, precision ground & micro lapped
- Spindle made from stainless steel for rust prevention (Ø10mm, Pitch 1mm and Stroke 50mm)
- Sharp laser marking for better visibility & durability



Mechanical External Micrometer



RANGE: 0-200 mm/0-8"



6MMC150



SET OF 6 MICROMETERS (0-150 mm/ 0-6")

4MMC100



SET OF 4 MICROMETERS (0-100 mm/ 0-4")

Measuring Range mm	Reading mm	Type	A mm	B mm	C mm	Measuring Range inch	Reading inch	Type
0-25	0.01	MMC25	7.1	32.5	25.5	0-1"	0.001"	INC1
	0.001	MMC25-1					0.0001"	INC1-1
25-50	0.01	MMC50	7.1	57.5	30.5	1-2"	0.001"	INC2
	0.001	MMC50-1					0.0001"	INC2-1
50-75	0.01	MMC75	8	83	45	2-3"	0.001"	INC3
	0.001	MMC75-1					0.0001"	INC3-1
75-100	0.01	MMC100	8	108	58	3-4"	0.001"	INC4
	0.001	MMC100-1					0.0001"	INC4-1
100-125	0.01	MMC125	8	133	67.5	4-5"	0.001"	INC5
	0.001	MMC125-1					0.0001"	INC5-1
125-150	0.01	MMC150	8	158	82	5-6"	0.001"	INC6
	0.001	MMC150-1					0.0001"	INC6-1
150-175	0.01	MMC175	8	183	93	6-7"	0.001"	INC7
175-200	0.01	MMC200	8	208	108	7-8"	0.001"	INC8
Set of Micrometers								
0-100 (Set of 4)	0.01	4MMC100				0-4" (Set of 4)	0.001"	4INC4
	0.001	4MMC100-1					0.0001"	4INC4-1
0-150 (Set of 6)	0.01	6MMC150				0-6" (Set of 6)	0.001"	6INC6
	0.001	6MMC150-1					0.0001"	6INC6-1

FEATURES

- Specifications : IS, DIN, ANSI & JIS
- Spindle made from stainless steel for rust prevention
- Measuring faces: carbide tipped, precision ground & micro lapped
- An in-built ratchet in the thimble
- Sharp laser marking for better visibility & durability
- Heat insulating grip plates cover the entire handling portion of the micrometer frame
- Robust design withstands toughest workshop conditions