



# BEARING & TOOL CENTRE



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## Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

### Quotation

#### 25 | Special Micrometers – 0 – 25 mm

0 – 25 x 0.01mm	W	C	D %	Point	Disc	Groove	Counter	Double ball	Single Ball
Insize Rs	12	N		4220	5088	17487	----	2339	2339
Code				<b>3230-25</b>	<b>3282-25</b>	<b>3287-25</b>	<b>3400-25</b>	<b>3260-25SA</b>	<b>3260-25A</b>
Catalog				Page No- 2	Page No- 2	Page No - 3	Page No - 3	Page No - 4	Page No - 4
Insize Digital Rs.				13460	17355	-	-	14837	13436
Code 0.001				<b>3530-25</b>	<b>3594-25</b>	-	-	<b>3560-25SA</b>	<b>3560-25A</b>
Aerospace Rs.		N	10	2630	1560		1050	950	850
Precision Rs.	12	Y	15	3220	5500				
Baker			15	4530	4740			2310	2190
Code				<b>MMA25-P1</b>	<b>MMA25-D</b>			<b>MMA-T2-25</b>	<b>MMA-T1-25</b>
Catalog				Page No- 5	Page No- 5			Page No- 6	Page No- 6
Mitutoyo Rs.	12	N	5	5368	6232	11780	5890	3449	3242
Code				<b>112-201*</b>	<b>123-101</b>	<b>146-122</b>	<b>193-101</b>	<b>115 – 215</b>	<b>115-115</b>
Catalog				Page No- 7	Page No- 8	Page No- 9	Page No- 10	Page No- 11	Page No- 12
0 – 25 x 0.001mm Rs.				21975	30494		5980	20930	20930
Code				<b>342 – 251</b>	<b>369-250</b>		<b>193-111</b>	<b>395-261</b>	<b>395-262</b>
Catalog				Page No- 7			Page No- 7	Page No- 11	Page No- 11
Mechanical Counter Rs.								6890	
Code								<b>295 – 215</b>	
Catalog								Page No- 12	

Note : \*The points have not carbide tips. /

Note:- Aerospace item once sold will not be taken back even if it is Faulty.

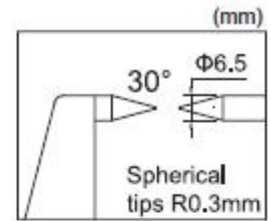
\*\*\* W – Warranty , C – Certificate , D- Discount

### Terms & Conditions –

- Goods offered - Subject to Prior Sale
- Price Validity: "15 Days from Date of Quotation"
- C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- **Bank Detail** – Kotak Mahindra Bank Ltd.
- **Branch** – Shivranjini
- **Bank IFSC Code** - KKBK 0000 810
- **Bank Account No.** 08102 00000 2689
- Note - While making payment online do mention your Company's name.
- TIN NO 24070901229 , CST No. 24570901229
- We are looking forward to your valued orders.

# INSIZE MAKE

## POINT MICROMETER



Code	Range
3230-25	0-25mm
3230-50	25-50mm
3230-75	50-75mm
3230-100	75-100mm
Code	Range
3230-1	0-1"
3230-2	1-2"
3230-3	2-3"
3230-4	3-4"

- Graduation: metric 0.01mm  
inch 0.0001"
- Pointed spindle and anvil tips to measure the web thickness of drills, small grooves and keyways
- Measuring tip 30 degree with SR0.3mm/0.012"
- Ratchet stop, carbide tips, with zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

## DISK MICROMETER



Code	Range	Dia. of disk	Code	Range	Dia. of disk
3282-25	0-25mm	20mm	3282-1	0-1"	0.8"
3282-50	25-50mm	20mm	3282-2	1-2"	0.8"
3282-75	50-75mm	20mm	3282-3	2-3"	0.8"
3282-100	75-100mm	20mm	3282-4	3-4"	0.8"
3282-125	100-125mm	30mm	3282-5	4-5"	1.2"
3282-150	125-150mm	30mm	3282-6	5-6"	1.2"
3282-175	150-175mm	30mm	3282-7	6-7"	1.2"
3282-200	175-200mm	30mm	3282-8	7-8"	1.2"

- Graduation: metric 0.01mm  
inch 0.0001"
- Ratchet stop
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

## GROOVE MICROMETER

- Graduation: metric 0.01mm  
inch 0.001"
- Flanged spindle to measure width, depth and location of grooves inside/outside bores and tubes
- Two graduations for inside and outside measurement
- Packed in plastic box or wooden box

Code	Range(outside)	Range (inside)
3287-25	0-25mm	1.6-26.5mm
3287-50	25-50mm	26.5-51.5mm
3287-75	50-75mm	51.5-76.5mm
3287-100	75-100mm	76.5-101.5mm
Code	Range(outside)	Range (inside)
3287-1	0-1"	0.06-1.05"
3287-2	1-2"	1.05-2.05"
3287-3	2-3"	2.05-3.05"
3287-4	3-4"	3.05-4.05"



## DIGITAL OUTSIDE MICROMETER WITH COUNTER

Code	Range	Code	Range
3400-25	0-25mm	3400-1	0-1"
3400-50	25-50mm	3400-2	1-2"
3400-75	50-75mm	3400-3	2-3"
3400-100	75-100mm	3400-4	3-4"
3400-125	100-125mm	3400-5	4-5"
3400-150	125-150mm	3400-6	5-6"
3400-175	150-175mm	3400-7	6-7"
3400-200	175-200mm	3400-8	7-8"
3400-225	200-225mm	3400-9	8-9"
3400-250	225-250mm	3400-10	9-10"
3400-275	250-275mm	3400-11	10-11"
3400-300	275-300mm	3400-12	11-12"
Code	Range	Code	Range
3400-753	0-75mm (3pcs)	3400-33	0-3" (3pcs)
3400-1004	0-100mm (4pcs)	3400-44	0-4" (4pcs)
3400-1506	0-150mm (6pcs)	3400-66	0-6" (6pcs)



- Counter readout: metric 0.01mm  
inch 0.001"
- Thimble graduation: metric 0.01mm  
inch 0.0001"
- DIN863
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box

# SPHERICAL TIP MICROMETER



Code	Range	Code	Range
3260-25	0-25mm	3260-1	0-1"
3260-50	25-50mm	3260-2	1-2"
3260-75	50-75mm	3260-3	2-3"
3260-100	75-100mm	3260-4	3-4"

- Graduation: metric 0.01mm  
inch 0.0001"
- For wall thickness of tubes
- Anvil tip is spherical, spindle tip is flat (spherical spindle tip is optional)
- Ratchet stop, carbide tips
- With zero adjusting wrench
- Supplied with standard rods
- Packed in plastic box or wooden box



# BAKER MAKE



## SPECIAL MICROMETERS

### 4) POINT TYPE : 15° HARDENED STEEL MEASURING TIPS.

TYPE	RANGE	READING	₹
MMA25 - P1	0 - 25 mm	0.01 mm	4530
MMA50 - P1	25 - 50 mm	0.01 mm	7830
MMA75 - P1	50 - 75 mm	0.01 mm	9600
MMA100 - P1	75 - 100 mm	0.01 mm	10760

TYPE	RANGE	READING	₹
INA1 - P1	0 - 1"	0.001"	4530
INA2 - P1	1" - 2"	0.001"	7830
INA3 - P1	2" - 3"	0.001"	9600
INA4 - P1	3" - 4"	0.001"	10760

### 5) POINT TYPE : 30° HARDENED STEEL MEASURING TIPS.

TYPE	RANGE	READING	₹
MMA25 - P2	0 - 25 mm	0.01 mm	3980
MMA50 - P2	25 - 50 mm	0.01 mm	6830
MMA75 - P2	50 - 75 mm	0.01 mm	8400
MMA100 - P2	75 - 100 mm	0.01 mm	9420

TYPE	RANGE	READING	₹
INA1 - P2	0 - 1"	0.001"	3980
INA2 - P2	1" - 2"	0.001"	6830
INA3 - P2	2" - 3"	0.001"	8400
INA4 - P2	3" - 4"	0.001"	9420

NOTE: 1) CERTIFICATE OF CALIBRATION IS SUPPLIED WITH EACH MICROMETER, TRACEABLE TO N.P.L. STANDARDS.  
2) PRICES FOR READINGS 0.001mm & 0.0001" ON REQUEST.

**2) DISC TYPE: ROTATING HARDENED STEEL MEASURING FACES.**

TYPE	RANGE	READING	₹
MMA25 - D	0 - 25 mm	0.01 mm	4740
MMA50 - D	25 - 50 mm	0.01 mm	8140
MMA75 - D	50 - 75 mm	0.01 mm	9980
MMA100 - D	75 - 100 mm	0.01 mm	11190

TYPE	RANGE	READING	₹
INA1 - D	0 - 1"	0.001"	4740
INA2 - D	1" - 2"	0.001"	8140
INA3 - D	2" - 3"	0.001"	9980
INA4 - D	3" - 4"	0.001"	11190

**3) DISC TYPE: NON - ROTATING - HARDENED STEEL MEASURING FACES.**

TYPE	RANGE	READING	₹
MMA25 - ND	0 - 25 mm	0.01 mm	7080
MMA50 - ND	25 - 50 mm	0.01 mm	12220
MMA75 - ND	50 - 75 mm	0.01 mm	14980
MMA100 - ND	75 - 100 mm	0.01 mm	16780

TYPE	RANGE	READING	₹
INA1 - ND	0 - 1"	0.001"	7080
INA2 - ND	1" - 2"	0.001"	12220
INA3 - ND	2" - 3"	0.001"	14980
INA4 - ND	3" - 4"	0.001"	16780

**NOTE:**

- 1) CERTIFICATE OF CALIBRATION IS SUPPLIED WITH EACH MICROMETER, TRACEABLE TO N.P.L. STANDARDS.  
2) PRICES FOR READINGS 0.001mm & 0.0001" ON REQUEST.

# SPECIAL MICROMETERS

**BAKER**

1) TUBE TYPE : [TYPE - 1] SPHERICAL HARDENED STEEL ANVIL & FLAT CARBIDE SPINDLE FACE,  
[TYPE - 2] BOTH ENDS SPHERICAL HARDENED STEEL FACES.

TYPE	RANGE	READING	₹
MMT - 1 - 25	0 - 25 mm	0.01 mm	1990
MMT - 2 - 25	0 - 25 mm	0.01 mm	2200
MMT - 1 - 50	25 - 50 mm	0.01 mm	3430
MMT - 2 - 50	25 - 50 mm	0.01 mm	3780
MMT - 1 - 75	50 - 75 mm	0.01 mm	4210
MMT - 2 - 75	50 - 75 mm	0.01 mm	4610
MMT - 1 - 100	75 - 100 mm	0.01 mm	4700
MMT - 2 - 100	75 - 100 mm	0.01 mm	5200

TYPE	RANGE	READING	₹
T - 1 - 1 IN 1	0 - 1"	0.001"	1990
T - 2 - 1 IN 1	0 - 1"	0.001"	2200
T - 1 - 2 IN 2	1" - 2"	0.001"	3430
T - 2 - 2 IN 2	1" - 2"	0.001"	3780
T - 1 - 3 IN 3	2" - 3"	0.001"	4210
T - 2 - 3 IN 3	2" - 3"	0.001"	4610
T - 1 - 4 IN 4	3" - 4"	0.001"	4700
T - 2 - 4 IN 4	3" - 4"	0.001"	5200

# MITUTOYO MAKE

## Point Micrometers

SERIES 342, 142, 112

### FEATURES

- IP65 water/dust protection (342 series).
- Pointed spindle and anvil for measuring the web thickness of drills, small grooves, keyways, and other hard-to-reach dimensions.
- 15 degree and 30 degree measuring points
- are available.
- The measuring points (carbide-tipped) have approximately 0.3mm radius.
- With Ratchet Stop for constant force.
- With SPC output (series 342).
- With digit counter (series 142).



### SPECIFICATIONS

Metric	Digital model	Range	Order No.	Accuracy	Point
0 - 25mm	Digital model		342-251	±2µm	15°
			342-261	±2µm	30°
25 - 50mm	Digital model		342-252	±2µm	15°
			342-262	±2µm	30°
50 - 75mm	Digital model		342-253	±2µm	15°
			342-263	±2µm	30°
75 - 100mm	Digital model		342-254	±3µm	15°
			342-264	±3µm	30°

Inch/Metric	Digital model	Range	Order No.	Accuracy	Point
0 - 1"	Digital model		342-351	±0.001"	15°
			342-361	±0.001"	30°
1" - 2"	Digital model		342-352	±0.001"	15°
			342-362	±0.001"	30°
2" - 3"	Digital model		342-353	±0.001"	15°
			342-363	±0.001"	30°
3" - 4"	Digital model		342-354	±0.0015"	15°
			342-364	±0.0015"	30°

Metric	Range	Order No.	Accuracy	Point
0 - 25mm		142-153	±3µm	15°
		142-201	±3µm	30°

Inch	Range	Order No.	Accuracy	Point
0 - 1"		142-177	±0.0015"	15°
		142-225	±0.0015"	30°

Metric	Range	Order No.	Accuracy	Point
0 - 25mm		112-165	±3µm	15°
		112-153*	±3µm	15°
		112-213	±3µm	30°
		112-201*	±3µm	30°
25 - 50mm		112-166	±3µm	15°
		112-154*	±3µm	15°
		112-214	±3µm	30°
		112-202*	±3µm	30°
50 - 75mm		112-167	±3µm	15°
		112-155*	±3µm	15°
		112-215	±3µm	30°
		112-203*	±3µm	30°
75 - 100mm		112-168	±4µm	15°
		112-156*	±4µm	15°
		112-216	±4µm	30°
		112-204*	±4µm	30°

Inch	Range	Order No.	Accuracy	Point
0 - 1"		112-189	±0.0015"	15°
		112-177*	±0.0015"	15°
		112-237	±0.0015"	30°
		112-225*	±0.0015"	30°
1" - 2"		112-190	±0.0015"	15°
		112-178*	±0.0015"	15°
		112-238	±0.0015"	30°
		112-226*	±0.0015"	30°
2" - 3"		112-191	±0.0015"	15°

\*The points have not carbide tips.

\*The points have not carbide tips.



(Refer to the page 9 for details.)

### Technical Data

Accuracy: Refer to the list of specifications.  
 (excluding quantizing error for digital models)  
 Resolution\*: 0.001mm or .0005"/0.001mm  
 Graduation\*\*\*: 0.01mm or .001"  
 Display\*: LCD  
 Battery\*: SR44 (1 pc), 938882  
 Battery life\*: Approx. 1.2 years under normal use  
 Dust/Water protection level\*: IP65  
 \*Digital models \*\*Analog models

### Function of Digital Model

Origin-set, Zero-setting, Data hold, Automatic power ON  
 OFF, Inch/mm conversion (Inch/mm models) Data hold  
 Alarm: Low voltage, Counting value composition error

### Optional Accessory for Digital Model

05CZA662: SPC cable with data switch (1m)  
 05CZA663: SPC cable with data switch (2m)



Tip angle: 15° (SR0.3)



Tip angle: 30° (SR0.3)





# Disk Micrometers

**SERIES 323, 223, 123**

## FEATURES

- Diameter of measuring disk: 20mm (30mm: models over 100mm)
- 0.7mm (1mm: models over 100mm) edge thickness to enter narrow recesses.
- With Ratchet Stop for constant force.
- With a standard except for 25mm model.
- With SPC output (series 323).
- The 223 series is provided with a mechanical digit counter for quick reading of measurements.



## SPECIFICATIONS

Metric Digital model		
Range	Order No.	Accuracy
0 - 25mm	323-250	±4μm
25 - 50mm	323-251	±4μm
50 - 75mm	323-252	±6μm
75 - 100mm	323-253	±6μm

Metric Mechanical counter model		
Range	Order No.	Accuracy
0 - 25mm	223-101	±4μm
25 - 50mm	223-102	±4μm

Metric		
Range	Order No.	Accuracy
0 - 25mm	123-101	±4μm
	123-113*	±4μm
25 - 50mm	123-102	±4μm
	123-114*	±4μm
50 - 75mm	123-103	±6μm
	123-115*	±6μm
75 - 100mm	123-104	±6μm
	123-116*	±6μm
100 - 125mm	123-105	±7μm
125 - 150mm	123-106	±7μm
150 - 175mm	123-107	±8μm
175 - 200mm	123-108	±8μm
200 - 225mm	123-109	±8μm
225 - 250mm	123-110	±9μm
250 - 275mm	123-111	±9μm
275 - 300mm	123-112	±9μm

\*The measuring disks have carbide tips.

Inch/Metric Digital model		
Range	Order No.	Accuracy
0 - 1"	323-350	±.0002"
1" - 2"	323-351	±.0002"
2" - 3"	323-352	±.0003"
3" - 4"	323-353	±.0003"

Inch Mechanical counter model		
Range	Order No.	Accuracy
0 - 1"	223-125	±.0002"

Inch		
Range	Order No.	Accuracy
0 - 1"	123-125	±.0002"
1" - 2"	123-126	±.0002"
2" - 3"	123-127	±.0003"
3" - 4"	123-128	±.0003"



(Refer to the page 9 for details.)

## Technical Data

**Accuracy:** Refer to the list of specifications.  
(excluding quantizing error for digital models)  
**Resolution\*:** 0.001mm or .00005"/0.001mm  
**Graduation\*\*:** 0.01mm or .001"  
**Flatness:** 1μm for models up to 100mm  
1.6μm for models over 100mm  
**Parallelism:** 4μm for models up to 50mm  
(4+R/50)μm for models up to 100mm  
(5+R/75)μm for models over 100mm,  
R = max. range (mm) \*Fraction rounded up  
**Measurable module:** 0.5 - 6 (0.7 - 11: models over 100mm)  
**Display\*:** LCD  
**Battery\*:** SR44 (1 pc), 938882  
**Battery life\*:** Approx. 1.2 years under normal use  
\*Digital models \*\*Analog models

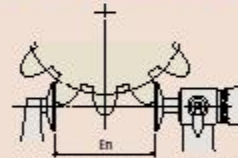
## Function of Digital Model

Origin-set, Zero-setting, Data hold, Data output, inch/mm conversion (inch/mm models), Automatic power ON/OFF  
Alarm: Low voltage, Counting value composition error

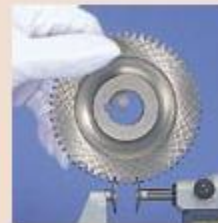
## Optional Accessory for Digital Model

05CZA662: SPC cable with data switch (1m)  
05CZA663: SPC cable with data switch (2m)

## Root tangent length of gear (En)



Note: Root tangent length measurement is not available for some types of gears.



# Groove Micrometers

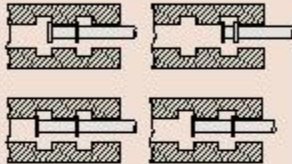
## SERIES 146

### FEATURES

- Flanged spindle for measuring width, depth, and location of grooves inside/outside bores, and tubes.
- Provided with two types of graduations for inside and outside measurements.
- Non-rotating spindle type has two-directional ratchet stop.

### Technical Data

Accuracy:  $\pm 10\mu\text{m}$   
Parallelism:  $10\mu\text{m}$



### SPECIFICATIONS

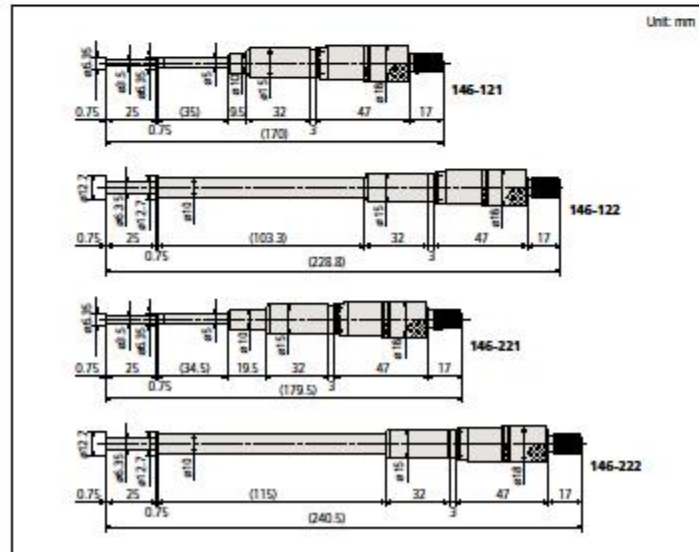
Metric		Rotating spindle type	
Range Outside	Range Inside	Order No.	Flange
0 - 25mm	1.6 - 26.5mm	<b>146-121</b>	$\phi 6.35\text{mm}$
		<b>146-122</b>	$\phi 12.7\text{mm}$
25 - 50mm	26.5 - 51.5mm	<b>146-123</b>	$\phi 12.7\text{mm}$
50 - 75mm	51.5 - 76.5mm	<b>146-124</b>	$\phi 12.7\text{mm}$
75 - 100mm	76.5 - 101.5mm	<b>146-125</b>	$\phi 12.7\text{mm}$

Inch		Rotating spindle type	
Range Outside	Range Inside	Order No.	Flange
0 - 1"	.055" - 1.05"	<b>146-131</b>	$\phi .25"$
		<b>146-132</b>	$\phi .5"$
1" - 2"	1.05" - 2.05"	<b>146-133</b>	$\phi .5"$
2" - 3"	2.05" - 3.05"	<b>146-134</b>	$\phi .5"$
3" - 4"	3.05" - 4.05"	<b>146-135</b>	$\phi .5"$

Metric		Non-rotating spindle type	
Range Outside	Range Inside	Order No.	Flange
0 - 25mm	1.6 - 26.5mm	<b>146-221</b>	$\phi 6.35\text{mm}$
		<b>146-222</b>	$\phi 12.7\text{mm}$
25 - 50mm	26.5 - 51.5mm	<b>146-223</b>	$\phi 12.7\text{mm}$
50 - 75mm	51.5 - 76.5mm	<b>146-224</b>	$\phi 12.7\text{mm}$
75 - 100mm	76.5 - 101.5mm	<b>146-225</b>	$\phi 12.7\text{mm}$

Inch		Non-rotating spindle type	
Range Outside	Range Inside	Order No.	Flange
0 - 1"	.055" - 1.05"	<b>146-231</b>	$\phi .25"$
		<b>146-232</b>	$\phi .5"$
1" - 2"	1.05" - 2.05"	<b>146-233</b>	$\phi .5"$
2" - 3"	2.05" - 3.05"	<b>146-234</b>	$\phi .5"$
3" - 4"	3.05" - 4.05"	<b>146-235</b>	$\phi .5"$

### DIMENSION



Please purchase Mitutoyo® spindle micrometers on [www.mitutoyo.com](http://www.mitutoyo.com) to ensure the quality mark.

**Mitutoyo**

# Digit Outside Micrometers

## SERIES 193

### FEATURES

- Mechanical digit counter with 0.01mm or .001" reading for quick and error-free reading.
- With a standard except for 25mm model.



### Technical Data

Accuracy: Refer to the list of specifications.  
 Counter reading: 0.01mm or .001"  
 Graduation: 0.01mm, 0.001mm, .001" or .0001"  
 Flatness: 0.6µm  
 Parallelism: (2+R/100)µm, R = max. range (mm)  
 \*fraction rounded down  
 Measuring faces: Carbide tipped



193-916

### SPECIFICATIONS

Metric With ratchet stop		
Range	Order No.	Accuracy
0 - 25mm	193-101	±2µm
	193-111*	±2µm
25 - 50mm	193-102	±2µm
	193-112*	±2µm
50 - 75mm	193-103	±2µm
	193-113*	±2µm
	193-114*	±3µm
75 - 100mm	193-104	±3µm
	193-114*	±3µm
100 - 125mm	193-305	±3µm
125 - 150mm	193-306	±3µm
150 - 175mm	193-307	±4µm
175 - 200mm	193-308	±4µm
200 - 225mm	193-309	±4µm
225 - 250mm	193-310	±5µm

\*0.001mm reading is obtained with vernier.

Inch With ratchet stop		
Range	Order No.	Accuracy
2" - 3"	193-213*	±.0001"
3" - 4"	193-214*	±.00015"
4" - 5"	193-415*	±.00015"
5" - 6"	193-416*	±.00015"
6" - 7"	193-417*	±.0002"
7" - 8"	193-418*	±.0002"
8" - 9"	193-419*	±.0002"
9" - 10"	193-420*	±.00025"
10" - 11"	193-421*	±.00025"

\*.0001" reading is obtained with vernier.

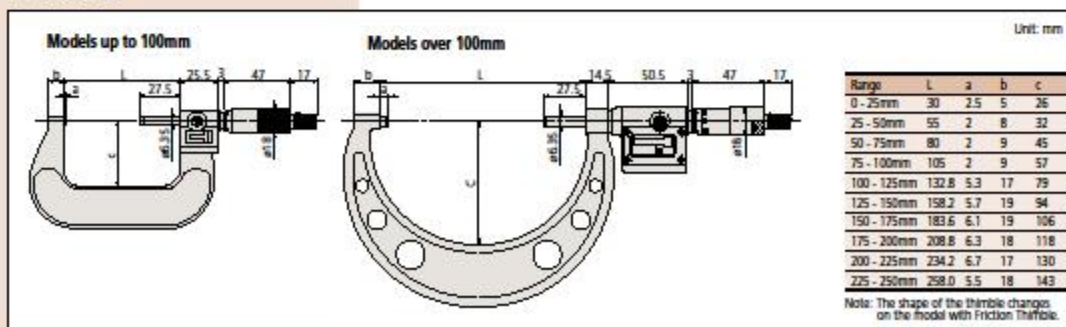
Inch With friction thimble		
Range	Order No.	Accuracy
0 - 1"	193-201	±.0001"
	193-211*	±.0001"
1" - 2"	193-212*	±.0001"

\*.0001" reading is obtained with vernier.

Metric Micrometer set		
Range	Order No.	Assortment of micrometers
0 - 75mm (3 pcs./set)	193-901	• 193-101, 193-102, 193-103 • 2 micrometer standards
0 - 100mm (4 pcs./set)	193-902	• 193-101, 193-102, 193-103, 193-104 • 3 micrometer standards
0 - 150mm (6 pcs./set)	193-908	• 193-101, 193-102, 193-103, 193-104, 193-305, 193-306 • 5 micrometer standards

Inch Micrometer set		
Range	Order No.	Assortment of micrometers
0 - 3" (3 pcs./set)	193-923	• 193-211, 193-212, 193-213 • 2 micrometer standards
0 - 6" (6 pcs./set)	193-930	• 193-211, 193-212, 193-213, 193-214, 193-415, 193-416 • 5 micrometer standards

### DIMENSION



Please purchase Mitutoyo® products on [www.mitutoyo.com](http://www.mitutoyo.com) to receive the full warranty.

**Mitutoyo**



# Tube Micrometers

SERIES 395, 295, 115 — Spherical and Cylindrical Anvils

## FEATURES

- IP65 water/dust protection (395 series).
- Designed to measure the wall thickness of various tubing.
- The Tube Micrometers have two combinations of measuring faces (carbide-tipped): spherical-flat type, and spherical-spherical type.
- Cylindrical anvils (perpendicular) are also available.
- With Ratchet Stop for constant force.
- With SPC output (series 395).
- With digit counter (series 295).



395-251

Spherical Anvil Type



115-115



395-271



115-215



(Refer to the page 9 for details.)

## Technical Data

Accuracy: Refer to the list of specifications.  
(excluding quantizing error for digital models)  
Resolution\*: 0.001mm or .00005"/0.001mm  
Graduation\*\*: 0.01mm, .001" or .0001"  
Flatness: 0.6um  
Display\*: LCD  
Battery\*: SR44 (1 pc), 938882  
Battery life\*: Approx. 1.2 years under normal use  
Dust/Water protection level\*: IP65  
\*Digital models \*\*Analog models

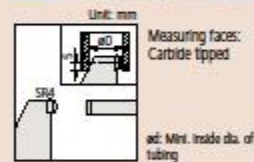
## Function of Digital Model

Origin-set, Zero-setting, Data hold, Automatic power ON/OFF, Data output, Inch/mm conversion (Inch/mm models)  
Alarm: Low voltage, Counting value composition error

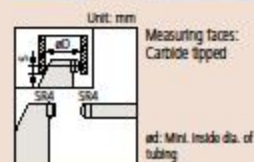
## Optional Accessory for Digital Model

05CZA662: SPC cable with data switch (1m)  
05CZA663: SPC cable with data switch (2m)

## Spherical anvil type



## Spherical anvil-spindle type



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