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.



193-101

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
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

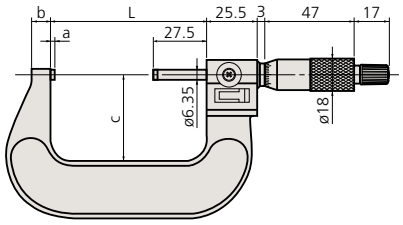
Range	Order No.	Assortment of micrometers
0 - 75mm (3 pcs./set)	**193-901**	• **193-101, 193-102, 193-103** • 2 micrometer standards
0 - 100mm (4 pcs./set)	**193-902**	• **193-101, 193-102, 193-103, 193-104** • 3 micrometer standards
0 - 150mm (6 pcs./set)	**193-908**	• **193-101, 193-102, 193-103, 193-104,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

Inch Micrometer set

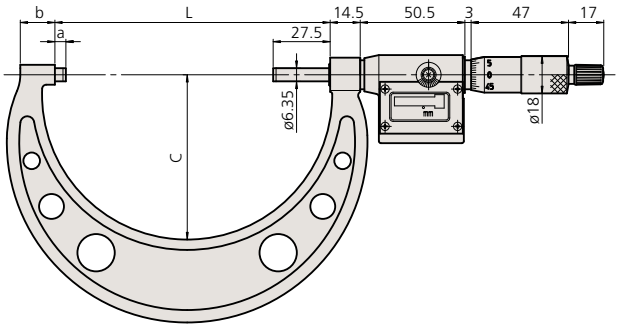
Range	Order No.	Assortment of micrometers
0 - 3" (3 pcs./set)	**193-923**	• **193-211, 193-212, 193-213** • 2 micrometer standards
0 - 6" (6 pcs./set)	**193-930**	• **193-211, 193-212, 193-213, 193-214, 193-415, 193-416** • 5 micrometer standards

DIMENSION

Models up to 100mm



Models over 100mm



Unit: mm

Range	L	a	b	c
0 - 25mm	30	2.5	5	26
25 - 50mm	55	2	8	32
50 - 75mm	80	2	9	45
75 - 100mm	105	2	9	57
100 - 125mm	132.8	5.3	17	79
125 - 150mm	158.2	5.7	19	94
150 - 175mm	183.6	6.1	19	106
175 - 200mm	208.8	6.3	18	118
200 - 225mm	234.2	6.7	17	130
225 - 250mm	258.0	5.5	18	143

Note: The shape of the thimble changes on the model with Friction Thimble.

Mitutoyo