

Technical Data

Counter Reading : 0.01 mm or 0.001 in
 Flatness: 0.6 μm /0.000024 in
 Parallelism:
 (2 + R/100) μm , R = max. range (mm)
 [0.00008 + 0.00004 (R/4)] in, R = max. range (inch)
 fraction rounded down
 Standard accessories: Reference bar, 1 pc.
 (except for measuring range 0-25 mm (0-1 in) models)
 Spanner (301336), 1 pc.



Digit Outside Micrometers SERIES 193

- Mechanical digit counter with 0.01 mm or 0.001 inch resolution for quick and error-free reading.
- Measuring faces: Carbide.
- Equipped with Ratchet Stop for constant measuring force.

SPECIFICATIONS

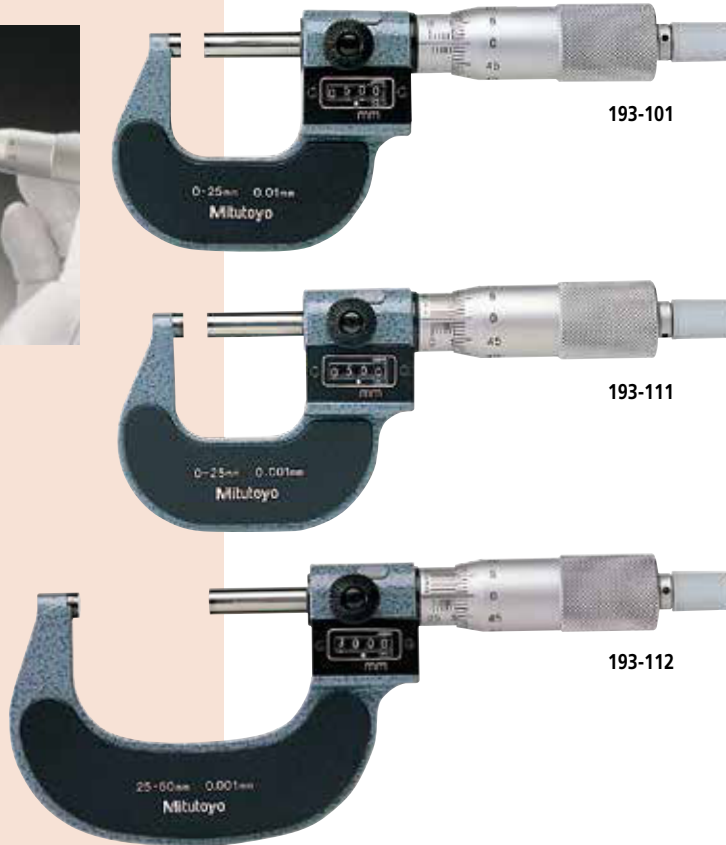
Metric	With ratchet stop		
Order No.	Range (mm)	Graduation (mm)	Accuracy (μm)
193-111	0 - 25	0.001 (reading is obtained with vernier)	± 2
193-112	25 - 50		
193-113	50 - 75		
193-114	75 - 100	0.01	± 3
193-101	0 - 25		
193-102	25 - 50		
193-103	50 - 75		
193-104	75 - 100		

Inch	With friction thimble		
Order No.	Range (in)	Graduation (in)	Accuracy (in)
193-211	0 - 1	0.0001	± 0.0001
193-212	1 - 2		

Inch	With ratchet stop		
Order No.	Range (in)	Graduation (in)	Accuracy (in)
193-213	2 - 3	0.0001	± 0.0001
193-214	3 - 4		± 0.00015

Metric	Micrometer set	
Order No.	Range (mm)	Models included
193-901	0 - 75 (3 pcs./set)	• 193-101, 193-102, 193-103 • 2 micrometer standards
193-902	0 - 100 (4 pcs./set)	• 193-101, 193-102, 193-103, 193-104 • 3 micrometer standards

Inch	Micrometer set	
Order No.	Range (in)	Models included
193-923	0 - 3 (3 pcs./set)	• 193-211, 193-212, 193-213 • 2 micrometer standards



DIMENSIONS

