

Micrometer

The origin of Mitutoyo's trustworthy brand of small tool instruments

Outside Micrometers

SERIES 102

- Heat-insulated frame.
- Cut-away frame (behind anvil) for measuring in hard-to-reach places.
- Equipped with Ratchet Stop for constant measuring force.
- Measuring faces: Carbide.
- In addition to standard specification, a non-rotating spindle type tooth thickness micrometer (refer to page B-33 for details) is also available.



Ratchet stop
102-301

SPECIFICATIONS

Metric

Order No.	Range (mm)	Graduation (mm)	Maximum permissible error J_{MPE} (μm)	Flatness (μm)	Parallelism (μm)	Constant-force device	
102-301	0 - 25	0.01	± 2	0.6	2	Ratchet stop	
102-302	25 - 50						
102-303	50 - 75		± 3	0.6	3		
102-304	75 - 100						

Metric

Order No.	Range (mm)	Graduation (mm)	Maximum permissible error J_{MPE} (μm)	Flatness (μm)	Parallelism (μm)	Constant-force device
102-311	0 - 25	0.001	± 1	0.3	1	Ratchet stop
102-313						Friction thimble
102-312						Ratchet stop

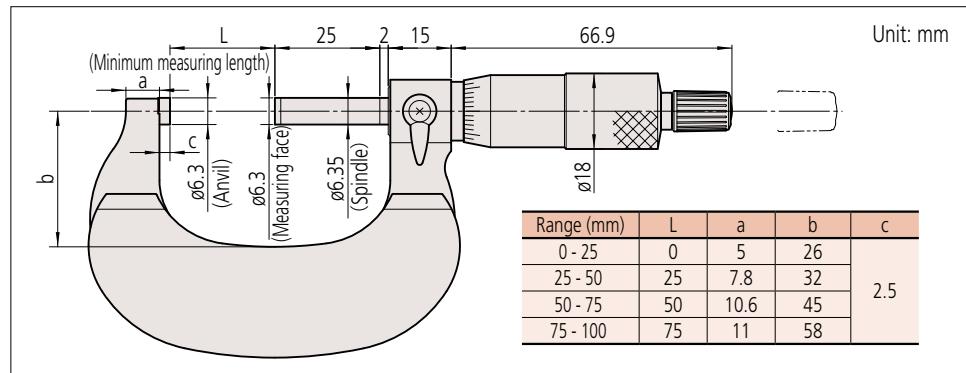
Inch

Order No.	Range (in)	Graduation (in)	Maximum permissible error J_{MPE} (in)	Flatness (in)	Parallelism (in)	Constant-force device
102-327-10	0 - 1	0.0001	± 0.0001	0.000024	0.00008	Ratchet stop
102-329-10						Friction thimble
102-328-10	1 - 2	0.0001	± 0.0001	0.000024	0.00008	Ratchet stop
102-330-10						Friction thimble
102-331-10	2 - 3	0.0001	± 0.00015	0.00012	0.00012	Ratchet stop
102-332-10	3 - 4					Ratchet stop

Metric

Order No.	Range (mm)	Models included
102-911-40	0 - 100 (Four micrometers per set)	<ul style="list-style-type: none"> 102-301 102-302 102-303 102-304 3 micrometer standards

DIMENSIONS



An inspection certificate is supplied as standard. Refer to page U-9 for details.

Common specifications

- Measuring force: 5 to 10 N
- Standard accessories: Reference bar, 1 pc. (except for measuring range 0 to 25 mm models) Spanner (301336), 1 pc. (for measuring range 0 to 25 mm/25 to 50 mm models) Spanner (200877), 1 pc. (for measuring range 50 to 75 mm/75 to 100 mm models)

Ratchet stop type



Friction thimble type

