

Micrometer

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-40 for details) is also available.



SPECIFICATIONS

Metric									
Order No.	Range (mm)	Graduation (mm)	Measuring force (N)	Maximum permissible error J_{MPE} (μm)	Flatness (μm)	Parallelism (μm)	Constant measuring force		
102-301	0 - 25	0.01	5 - 10	±2	0.6	2	Ratchet stop		
102-302	25 - 50								
102-303	50 - 75			±3		3			
102-304	75 - 100								

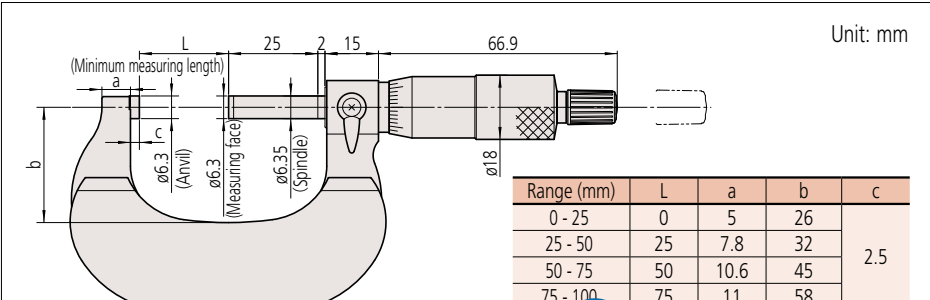
Metric							
Order No.	Range (mm)	Graduation (mm)	Measuring force (N)	Maximum permissible error J_{MPE} (μm)	Flatness (μm)	Parallelism (μm)	Constant measuring force
102-311	0 - 25	0.001	5 - 10	±1	0.3	1	Ratchet stop
102-313							Friction thimble
102-312	25 - 50						Ratchet stop

Inch									
Order No.	Range (in)	Graduation (in)	Measuring force (N)	Maximum permissible error J_{MPE} (in)	Flatness (in)	Parallelism (in)	Constant measuring force		
102-327-10	0 - 1	0.0001	5 - 10	±0.0001	0.000024	0.00008	Ratchet stop		
102-329-10							Friction thimble		
102-328-10	1 - 2								
102-330-10	±0.00015			0.00012		Friction thimble			
102-331-10						2 - 3	Ratchet stop		
102-332-10						3 - 4	Ratchet stop		

Metric			Micrometer set
Order No.	Range (mm)	Models included	
102-911-40	0 - 100 (Four micrometers per set)	• 102-301 102-302 102-303 102-304 • 3 micrometer standards	

- Standard accessories: Setting standard, 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)

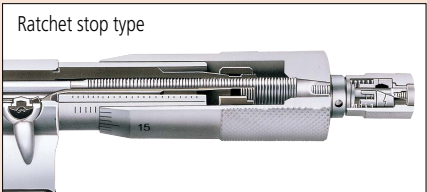
DIMENSIONS



Measurement example



Mechanism



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