

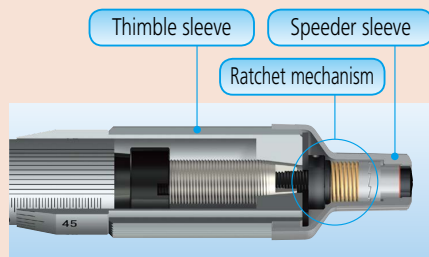


An inspection certificate is supplied as standard.  
Refer to page U-11 for details.

## Technical Data

Flatness: 0.6  $\mu\text{m}$ /0.00024 in  
Parallelism: 2  $\mu\text{m}$ /0.0008 in  
Measuring force: 5-10 N  
Standard accessories: Reference bar, 1 pc.  
(except for measuring range 0-25 mm (0-1 in) models)  
Spanner (301336), 1 pc.

## Internal Structure

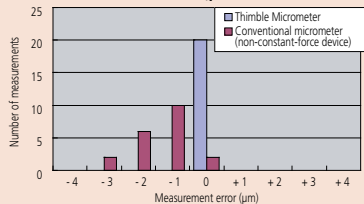


## Greatly Improved Accuracy and Repeatability

### Measurement results of one-handed operation

A beginner performed a test by measuring a workpiece 20 times using a conventional micrometer and a Ratchet Thimble Micrometer.

Table showing results of test

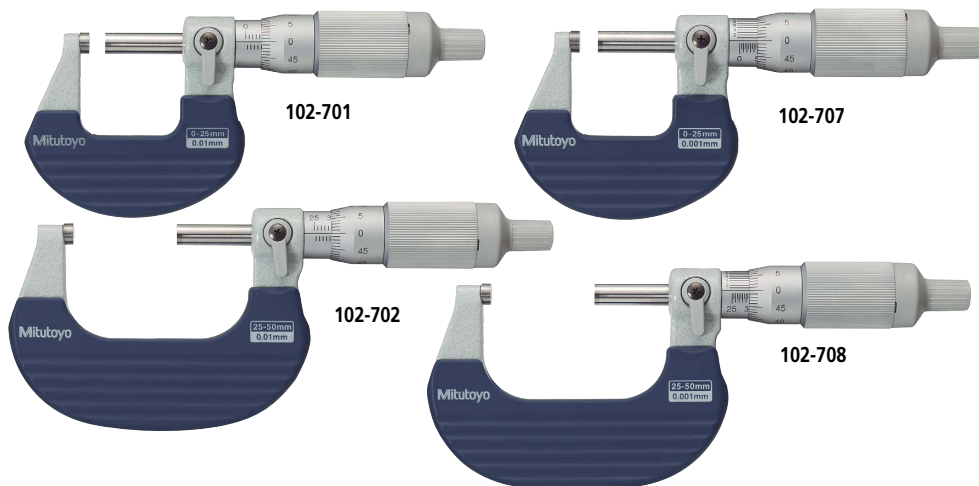
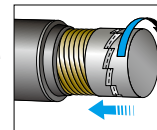


## Ratchet Thimble Micrometer SERIES 102 — Outside Micrometers

- More accurate in one-handed operation: inexperienced operators measure significantly more accurately with the new micrometer.
- Ratchet function works both from the thimble and the speeder.



- Rotating the thimble/speeder when the workpiece is between the anvil and spindle causes the ratchet mechanism to operate and apply a constant measuring force to the workpiece.
- Clearly audible ratchet operation for reassurance that measurement is being performed at constant, preset force.
- The speeder is always available for quick rotation of spindle.
- A simple mechanism, which requires neither parts maintenance nor special technique, is employed in the constant-force device.
- Heat-insulated frame.
- Measuring faces: Carbide.



## SPECIFICATIONS

Metric				
Order No.	Range (mm)	Graduation (mm)	Accuracy ( $\mu\text{m}$ )	Mass (g)
102-701	0 - 25	0.01	$\pm 2$	180
102-707	0 - 25	0.001		
102-702	25 - 50	0.01		270
102-708	25 - 50	0.001		

Inch				
Order No.	Range (in)	Graduation (in)	Accuracy (in)	Mass (g)
102-717	0 - 1	0.0001	$\pm 0.0001$	180
102-718	1 - 2	0.0001		270

## DIMENSIONS

