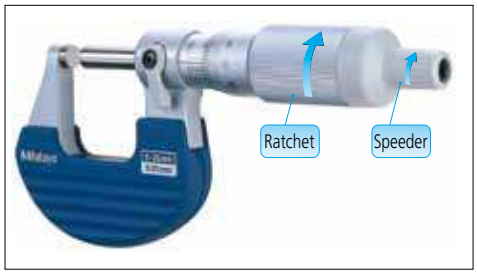
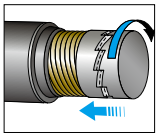
Micrometers

SERIES 102 – Ratchet Thimble Micrometer

- More accurate in one-handed operation: inexperienced operators measure significantly more accurately with this micrometer.
- Heat-insulated frame.
- 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.
- Measuring faces: Carbide

102-701

SPECIFICATIONS

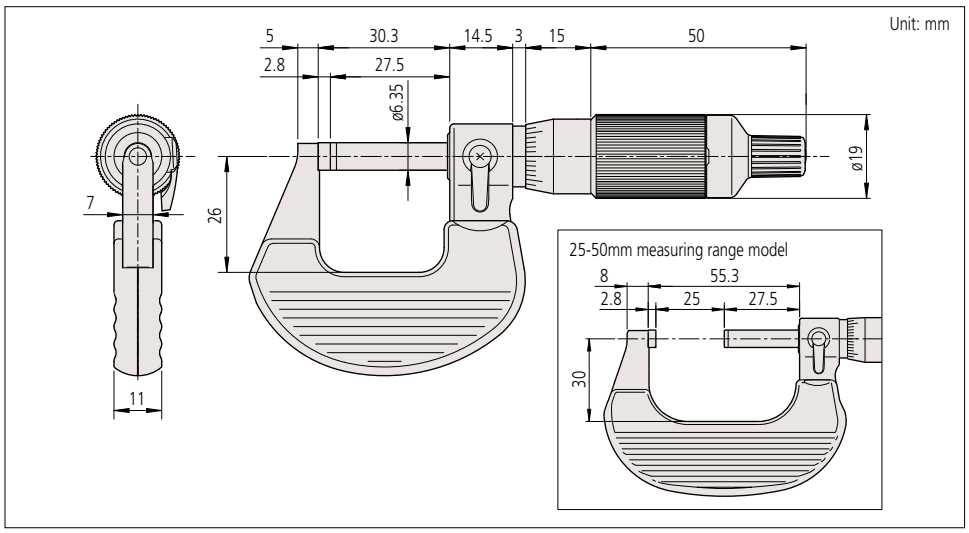
Metric

Code No.	Range	Graduation	Accuracy	Mass	Price
102-701	0-25 mm	0.01 mm	±2 µm	180 g	£54.00
102-707		0.001 mm			£60.20
102-702	25-50 mm	0.01 mm		270 g	£61.70
102-708		0.001 mm			£78.10

Inch

Code No.	Range	Graduation	Accuracy	Mass	Price
102-717	0-1"	.0001"	±.0001"	180 g	£60.20
102-718	1-2"			270 g	£78.10

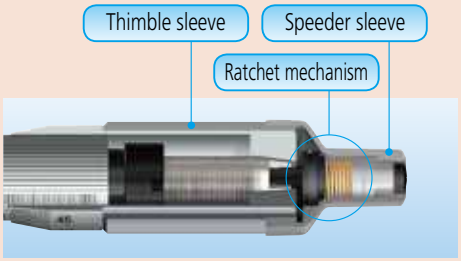
DIMENSIONS



Technical Data

Flatness:	0.6 µm/.000024"
Parallelism:	2 µm/.00008"
Measuring force:	5-10N

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.