

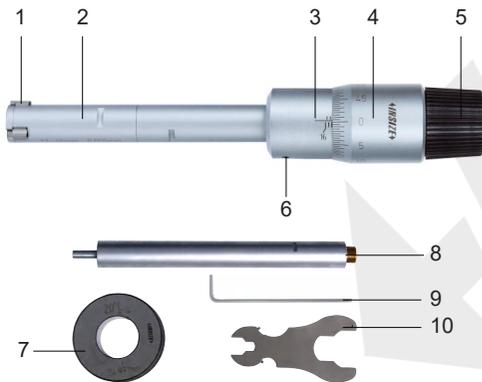
Graduation: 0.001mm
Range: 2-6mm



Graduation: 0.001mm
Range: 6-12mm



Graduation: 0.005mm
Range: 12-100mm



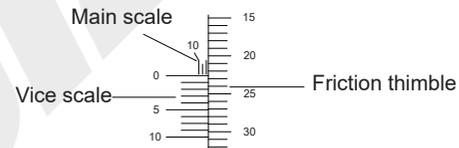
- 1-Measuring jaws
- 2-Measuring head
- 3-Sleeve
- 4-Friction thimble
- 5-Ratchet stop
- 6-Adjustment screw
- 7-Setting ring
- 8-Extension rod(except range 2-6mm)
- 9-Wrench
- 10-Spanner(range6-100 have two spanners)

- The micrometer is used for measuring internal diameter.
- Before measurement, it is necessary to calibrate the micrometer with setting ring. Clean the measuring jaws and setting ring face with soft cloth, then measure the setting ring. If result is equal to the normal value of setting ring, micrometer is ready to measure, otherwise, please set the reading. Using wrench to loose adjustment screw, then rotate sleeve until reading is equal to the normal value of setting ring, lock the adjustment screw. The micrometer should be calibrated regularly.
- During measurement, rotate ratchet stop to make sure measuring jaws' diameter less than the hole's. Put micrometer into measured hole vertically, and then rotate ratchet stop, shake micrometer gently to make sure measuring jaws to contact hole fully. Now you can get result until you hear click. When finishing, rotate ratchet stop to return back measuring jaws firstly, take micrometer out of the hole vertically.

Caution: When the measuring faces is close , but not in contact with the workpiece, do not apply excessive force to rotate the ratchet stop, as it will lead to inaccurate results and may damage the internal precision threads.

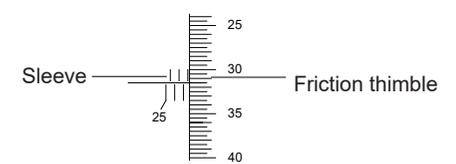
- During reading, the sight should be perpendicular to the scale to avoid parallax reading. The reading method is as below:
Micrometer graduation 0.001mm, the reading is the sum of sleeve main scale, friction thimble, sleeve vice scale.
Micrometer graduation 0.005mm, the reading is the sum of sleeve, friction thimble.

Graduation: 0.001mm



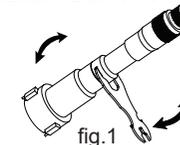
Main scale reading: 8.5 mm
Friction thimble reading: 0.22 mm
Vice scale reading: 0.006mm
Reading: 8.726mm

Graduation: 0.005mm



Sleeve reading: 22mm
Friction thimble reading: 0.315mm
Reading: 22.315mm

- Install extension rod to measure deep hole. Use spanner to separate measuring head from main stem, install extension rod between measuring head and main stem, and use spanner to tight it (fig.1). Caution: Don't hold the micrometer head by hand.



- When the measuring jaws cannot stretch smoothly, please clean the measuring jaws.