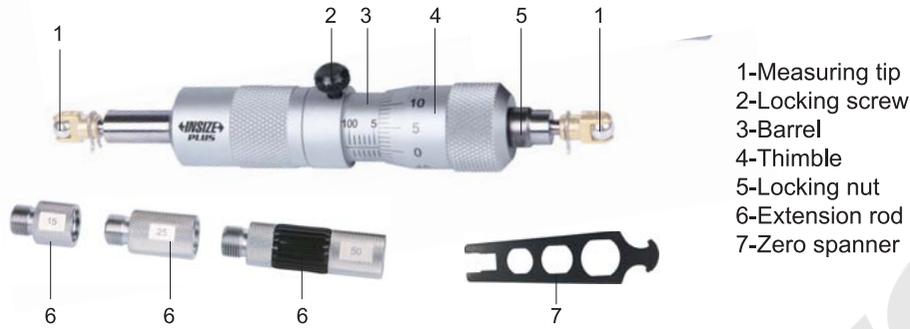


Code	Range	Micrometer head	Extension rod
3638-200	100-205mm	100-115mm	15, 25, 50mm
3638-500	100-505mm	100-115mm	15, 25, 50, 100, 200mm
3638-900	100-905mm	100-115mm	15, 25, 50, 100, 200, 400mm
3638-1100	150-1150mm	150-175mm	25, 50, 100, 200, 200, 400mm



- 1-Measuring tip
- 2-Locking screw
- 3-Barrel
- 4-Thimble
- 5-Locking nut
- 6-Extension rod
- 7-Zero spanner

- The product is used to measure over-pin diameter of gears.
- The micrometer should be calibrated before measuring:
 - Choose the right gage block and gage block attachment are combined into an inner diameter size, loosen locking screw, adjust the micrometer reading less than the inner diameter size, put the micrometer into the inner diameter size, turn the thimble to make the micrometer contact with inner diameter size. Tighten the locking screw.
 - If the micrometer reading is the inner diameter size minus the two measuring tip value, it can be measured directly. Otherwise, take the micrometer to adjust.
 - Use zero spanner to loosen the lock nut (Fig 1) and adjust the thimble so that the micrometer reads is the inner diameter size minus the two measuring tip values.
 - Tighten the locking nut.

How to use zero spanner :



Fig 1

How to install extension rod :

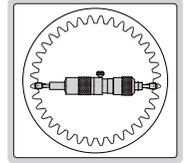


Fig 2

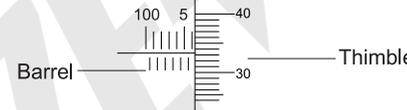
3. Measurement:

--- During measurement, make sure there are no cutting chips or other debris on the measuring faces and workpiece surface, or it will lead to inaccurate results.

--- According to the size of the workpiece, select the appropriate extension rod (extension rod installation method shown in Fig 2). Adjust the size of micrometer to be slightly smaller than the measured workpiece, and then put the micrometer into the measured workpiece, rotate the thimble so that the tips touch the workpiece and read the measurement results.



4. During reading, the sight should be perpendicular to the scale to avoid parallax reading. The reading is the sum of barrel, thimble. The reading results are as follows:



Barrel reading: 106mm
 Thimble reading: 0.333mm (3 is estimated)
 Reading: 106.333mm

5. Optional accessory: ball tips (code 7383)

Code	Ball dia.(D)	d	Accuracy
7383-1	SØ1mm	Ø3mm	±1µm
7383-2	SØ2mm	Ø3mm	±1µm
7383-3	SØ3mm	Ø3mm	±1µm
7383-4	SØ4mm	Ø3mm	±1µm
7383-5	SØ5mm	Ø3mm	±1µm
7383-6	SØ6mm	Ø3mm	±1µm
7383-7	SØ7mm	Ø3mm	±1µm
7383-8	SØ8mm	Ø3mm	±1µm
7383-9	SØ9mm	Ø3mm	±1µm
7383-10	SØ10mm	Ø3mm	±1µm
7383-11	SØ11mm	Ø3mm	±1µm
7383-12	SØ12mm	Ø3mm	±1µm
7383-13	SØ13mm	Ø3mm	±1µm
7383-14	SØ14mm	Ø3mm	±1µm
7383-15	SØ15mm	Ø3mm	±1µm
7383-16	SØ16mm	Ø3mm	±1µm

