FORK

FORK MEASURING COMPANY
Vavdi Sr.No. 17, Plot No 55B, Rani Industrial Estate
Gondal Road, Rajkot-360002

INSTRUCTION MANUAL FOR LEVER TYPE DIAL INDICATOR (308-001)

➢ Specification

- ✓ It is specially designed for very accurate comparison measurements like -as workshop and inspection laboratory

Anti-break measure element.
when force is applied to the contact point in the lateral direction , it is bent at the groove.

➢ Features

- ✓ At the pivot of the contact point to show good indication stability without any effect by picture.
- ✓ This is seating the 0-ring in the truing section of the outer frame.

➢ Technical Specification

Code	Range	Reading	Accuracy
308-001	0.5 mm	0-25-0 mm	5 µm
308-002	0.8 mm	0-40-0 mm	8 µm
308-003	1.0 mm	0-50-0 mm	10 µm
308-004	0.28 mm	0-140-0 mm	3 µm
308-005	0.5 mm	0-25-0 mm	5 µm
308-006	1.0 mm	0-50-0 mm	10 µm
308-007	0.28 mm	0-140-0 mm	3 µm

308-001

308-002

308-003

308-004

308-005

308-006

308-007

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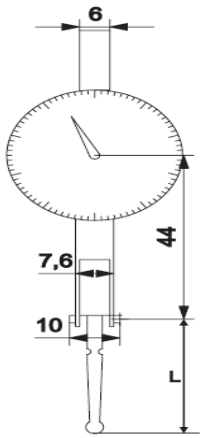
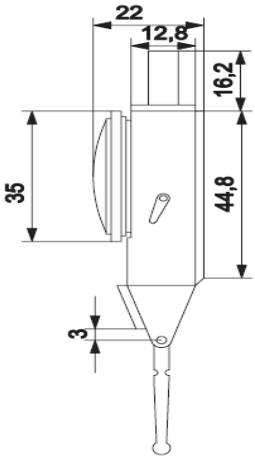
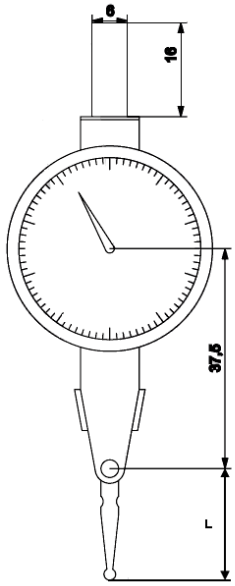
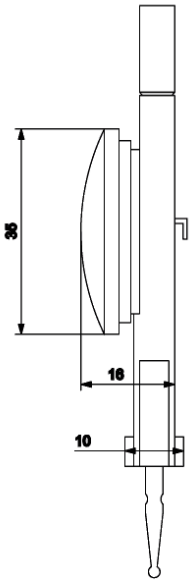
➢ Contact Point Length and Types





Code	L (mm)
308-001	21.4
308-002	22.4
308-003	43.0
308-004	12.0

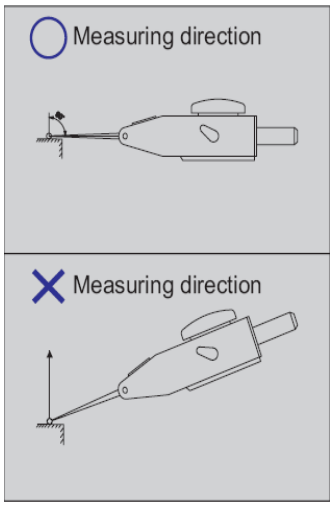


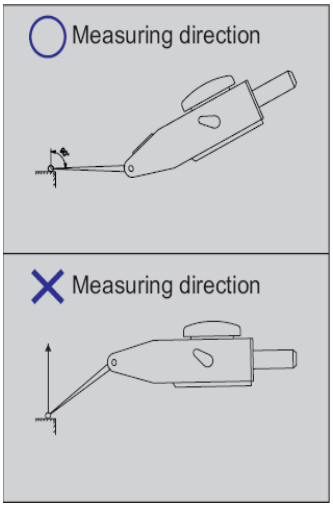


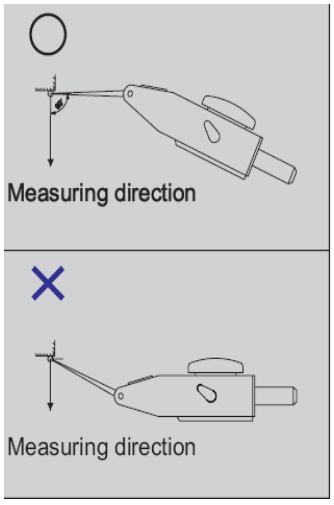
Code	L (mm)
308-005	21.4
308-006	12.0
308-007	43.0

➢ Precautions for Handling

✓ Lever Type Dial shall be used being fixed to a rigid to a rigid retainer to prevent the influence of flexure or the like. In measurement, the measuring direction shall be made perpendicular to the centerline of the measuring probe.







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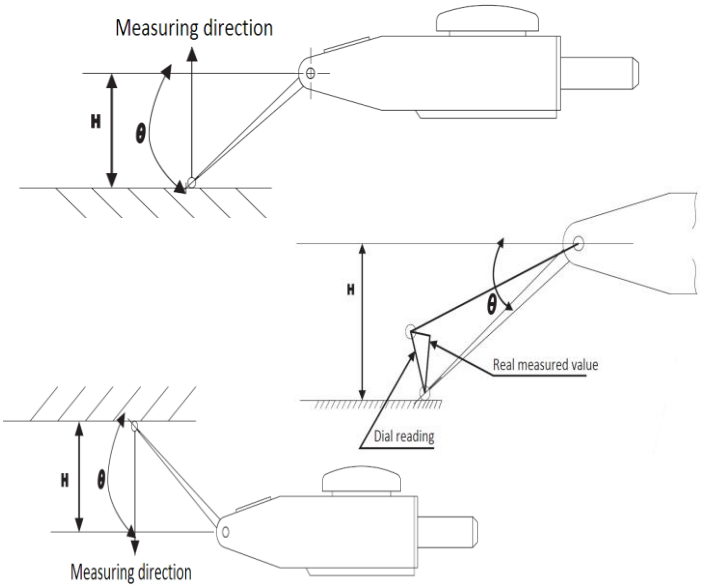
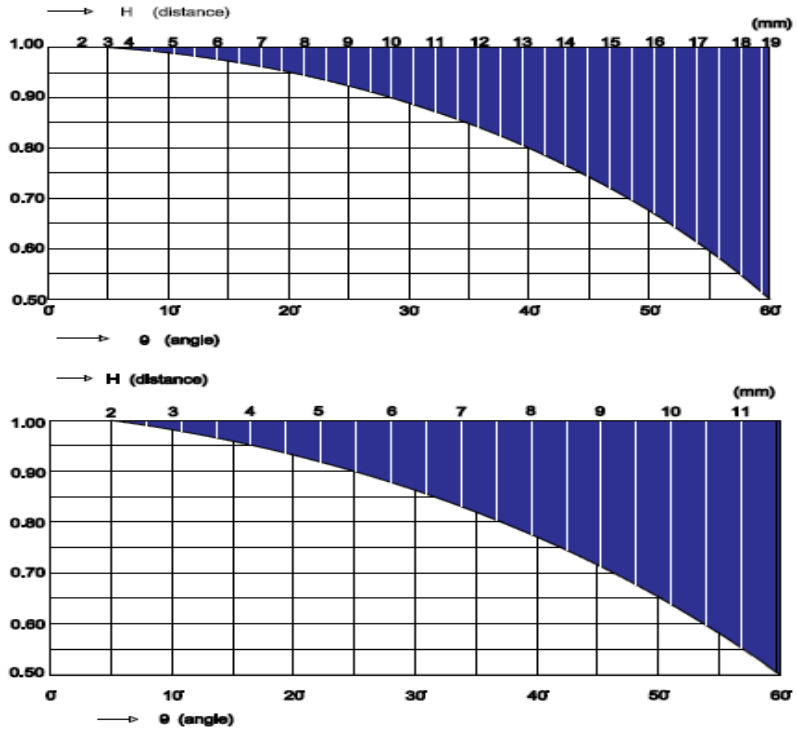
- ✓ In case they are not perpendicular, a correction by the following formula in necessary:
  - Due to various measuring direction, the contact point sometimes cannot be angled perpendicular to the measuring device.
  - Ex. the diagrams below, where the measuring prove is set at an non-perpendicular angles and the distance between the pivot of the contact point and the measuring device is signified by the letter H:
  - Displacement- quantity of pointer movement X COS Φ





- ✓ When modification is not necessary:
  - If the measuring tolerance is 10% and the graph factor is above 0.9, modification by calculation is unnecessary.

➢ Example