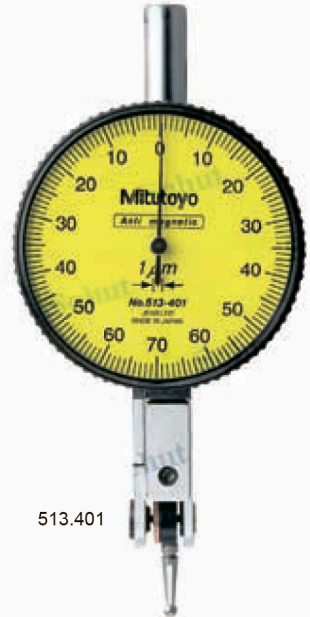


Mitutoyo lever-type dial test indicators

These dial test indicators are able to measure in both directions without having to switch direction.

- Measuring range: up to 1 mm.
- Graduation: 0.001 or 0.01 mm.
- With dovetail joint and clamping stem $\varnothing 8$ mm.
- Rotatable dial, $\varnothing 39$ mm.
- Tungsten carbide stylus tip: $\varnothing 2$ mm.
- Insert thread: M1.7 (optional inserts on request).
- Adjustable probe.
- Jewel beared clockwork (except 513.415).
- Antimagnetic.
- Conforms to factory standard (graduation 0.001 mm) or DIN 2270 (graduation 0.01 mm).
- Delivery in a case with a clamping stem.
- Various different models available.
- Single inserts available.



513.401



513.404

The set consists of:

- lever-type dial test indicator 513.403,
- insert with hard chrome plated tip $\varnothing 1$ mm,
- insert with tungsten carbide tip $\varnothing 2$ mm,
- insert with hard chrome plated tip $\varnothing 3$ mm,
- union nut,
- clamping stem $\varnothing 4$ mm,
- clamping stem $\varnothing 8$ mm,
- universal rotatable holder,
- clamping stem for height gauge (9 x 9 x 100 mm),
- case.

| Item No. | Measuring range/mm | Accuracy f_{ges} /mm | Hysteresis mm | Measuring force/N | Scale numbering | Insert length/mm |
|---|---|------------------------|---------------|-------------------|-----------------|------------------|
| Graduation 0.01 mm: | | | | | | |
| 513.403 | 0.8 | 0.013 | 0.003 | ≤ 0.3 | 0-40-0 | 20.9 |
| 513.415 | 1 | 0.013 | 0.004 | ≤ 0.2 | 0-50-0 | 44.5 |
| Graduation 0.001 mm: | | | | | | |
| 513.401 | 0.14 | 0.004 | 0.002 | ≤ 0.3 | 0-70-0 | 12.8 |
| Mitutoyo lever-type dial test indicator set: | | | | | | |
| 513.404 | Lever-type dial test indicator 513.403 with several accessories | | | | | |