# TESA Axial Probes with Measuring Bolt Activation by Pneumatic Pressure

## Standard Probes

These probes are intended for use with measuring devices providing full or half-assisted inspection routines.

LVDT probes compatible with measuring equipment from other makers also available on request.

✓

DIN 32876 Part 1

See in the tables

Any position of use

8 mm dia. fixing shank. Ball-bearing measuring bolt.

Both lower and upper stops are fixed.

Interchangeable measuring insert with a 3 mm dia. tungsten carbide ball tip. M2,5 thread.

2 m long cable.

Standard probes with a 5-pin DIN 45322 connector.

Nickel-plated housing. Stainless steel measuring bolt, hardened.

Viton bellows in high-resistance elastomer

Moved mass 6 g

13 kHz (± 5%) drive frequency. Highest mechanical frequency to 60 Hz.

0,2 µm/ °C

20 ± 0,5 °C

–10°C to 65°C

80%

IP65(IEC 60529) or IP50 for GTL 212-A and GTL 222-A

Shipping packaging

Identification number

Inspection report with a declaration of conformity

### GT 212 probes with axial cable exit

| | | Measuring range (mm) | N* | Measuring bolt activation | Sealing bellows |
|---|---|---|---|---|---|
| *Standard probes* | | | | | |
| **03230060** | **GTL 212** | ± 1,5 | 1,2 | ▼ | ▲ Viton |
| **03230067** | **GTL 212-A** | ± 1,5 | 0,2 | ▼ | ▲ none |

### GT 222 probes with radial cable exit

| | | Measuring range (mm) | N* | Measuring bolt activation | Sealing bellows |
|---|---|---|---|---|---|
| *Standard probes* | | | | | |
| **03230054** | **GTL 222** | ± 1,5 | 1,2 | ▼ | ▲ Viton |
| **03230063** | **GTL 222-A** | ± 1,5 | 0,2 | ▼ | ▲ none |

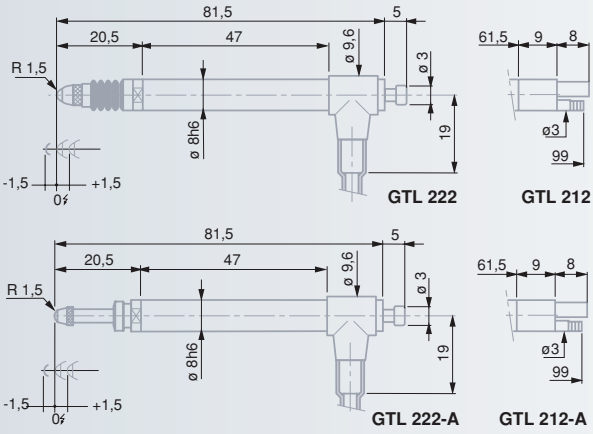
* Nominal value at electrical zero, max. ± 25%. Valid for upright assembly position, with downward oriented measuring bolt, as well as in static measuring

▼ Downward movement of the measuring bolt activated by pneumatic pressure.

▲ Upward movement of the measuring bolt activated under the spring force only.


GTL 222

GTL 212-A




GTL 222 GTL 212

GTL 222-A GTL 212-A

| | Air pressure (bar) nominal | maximum | mm | µm | µm | µm*** | Technical data sheets |
|---|---|---|---|---|---|---|---|
| **GTL 212** | 0,7 | 1,0 | 3,2 | 0,015 | 0,02 | 0,2 + 2,4 · L² | 03200413 |
| **GTL 212-A** | 0,25 | 6,0 | 3,2 | 0,015 | 0,02 | 0,2 + 2,4 · L² | 03200430 |
| **GTL 222** | 0,7 | 1,0 | 3,2 | 0,015 | 0,02 | 0,2 + 2,4 · L² | 03200393 |
| **GTL 222-A** | 0,25 | 6,0 | 3,2 | 0,015 | 0,02 | 0,2 + 2,4 · L² | 03200422 |

*** Linearity related max. perm. errors (L in mm).