✓

DIN 32876 Part 1

See in tables

Axial probes usable in any position

8 mm body diameter. Measuring bolt mounted on a ball-bearing.

Adjustable distance between both lower stop and electrical zero.

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

Cable length: 2 m.

DIN 45322 connector.

Nickel-plated body. Steel measuring bolt, hardened.

Sealing bellow: high-resistance elastomer (Viton)

Moved mass 6 g

Force increase 0,2 N/mm

Highest mechanical frequency to 60 Hz

0,2 µm/ °C

-10°C to 65°C

-20°C to 65°C

IP65 (IEC 60529)

Shipping packaging

Identification number

# TESA Axial Probes – Serie 490

## *Probes with no brand name for TESA's electronic equipment*

Universal probes to suit common but constraining applications.

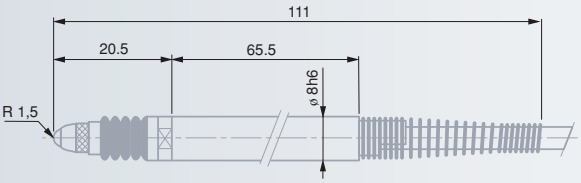
- 8 mm diameter probe body that can be clamped over its entire length.
- Measuring bolt mounted on a ball-bearing.
- Probe body made in steel, nickel-plated.
- Degree of protection to IP65.
- Flexible axial cable exit fitted with a steel spring to prevent the cable from breaking.

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

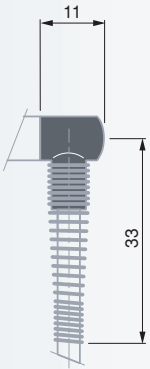
| | Measuring range (mm) | N* | Measuring bolt retraction | Sealing bellow |
|---|---|---|---|---|
| *Probe series 490 with axial/radial** cable exit* | | | | |
| **03230490** | ± 1,5 | 0,63 | mechanical | Viton |

* Nominal value at electrical zero; max. deviation ± 0,15 N. Valid in upright assembly position with downward oriented measuring bolt, as well as in static measuring. Also available upon request: Probes 410 with measuring force to 0,4, 1,0, 1,6, 2,5 or 4 N.

** Using the right angle adaptor that came with the probe.




490




| | | Lower stop of the measuring bolt***, adjustable from... mm | to mm | ex-factory mm | mm | µm | %**** | Technical data sheet |
|---|---|---|---|---|---|---|---|---|
| **490** | **TESA** | –2 | 0 | –1,7 | 4,3 | 0,02 | 0,2 | 03200456 |

*** Distance from electrical zero.

**** Linearity related max. perm. errors within the measuring span of 3 mm (measuring range ±1,5 mm).