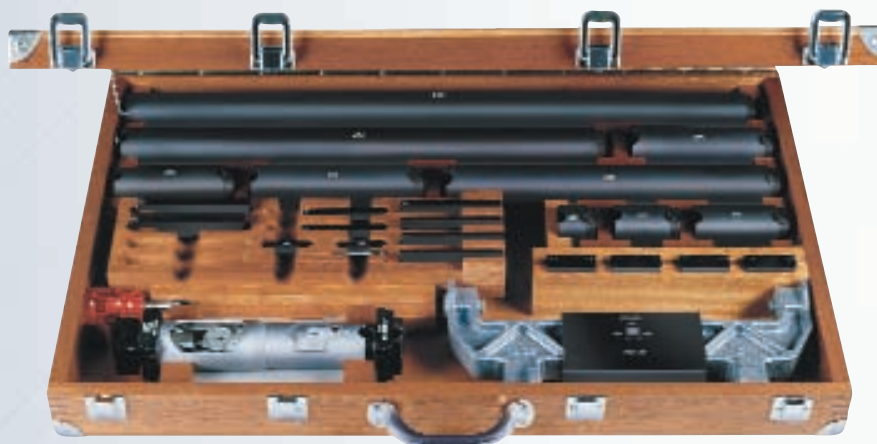
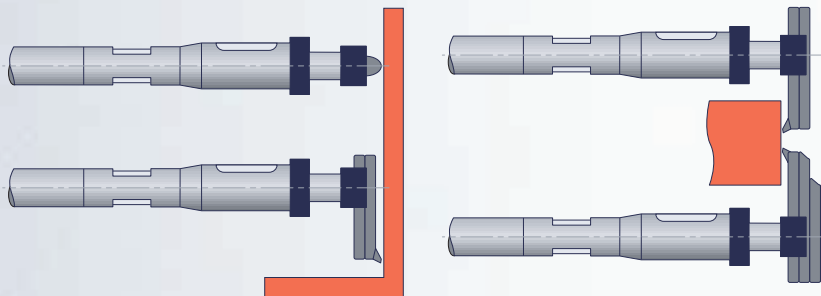
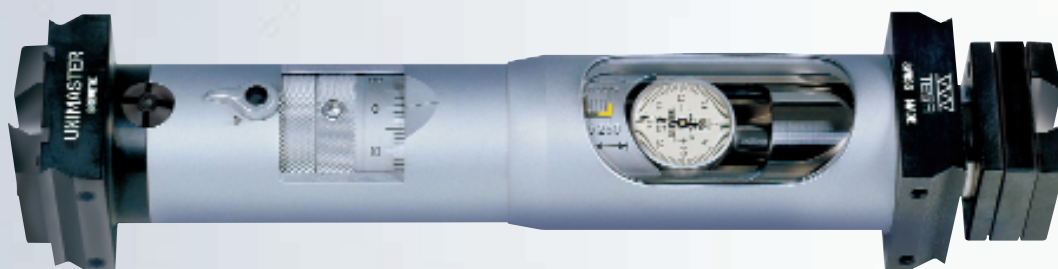


TESA® UNIMASTER® Universal Measuring Instrument

Provides the features necessary for direct measurement of specially large internal and external dimensions.

TESA UNIMASTER is similar in concept to internal micrometers with two-point contact with the workpiece. Made to measure any dimension within the application range directly by simply adding the needed extensions with built-in gauge rods.

Accurate, robust and easy-to-handle – Can be used either vertically or horizontally with a constant measuring force – Incorporates a lever-type dial indicator that clearly shows the culmination point – Ensures stable measuring owing to the negligible deflection and thermal protection of the extensions.



DIN 863 T4 (style B)

Measuring element



Micrometer and lever-type dial indicator: 0,01 mm



Micrometer: 25 mm



1 mm



Lever-type dial indicator: ± 0,4 mm



Mobile ball-bearing anvil under spring pressure



15 to 20 N Reversible probing direction to allow both internal and external measuring



5 µm

Measuring bolts



With tungsten carbide tipped measuring inserts



Measuring bolts in pairs:

- No. 11.10203 for internal measuring in the instrument axis.
- No. 11.10205 for internal/external measuring, meas. depth up to 60 mm from the lower edge of the instrument.
- No. 11.10208, extra-rigid for external measuring, meas. depth up to 75 mm from the lower edge of the instrument.

Extensions



38 mm dia. steel tube with snap-ring system

Built-in gauge rods



Tungsten carbide tipped



One spherical and one flat measuring faces