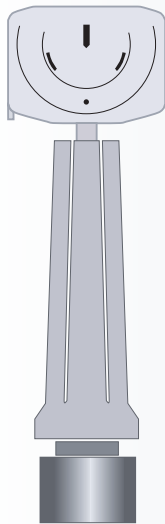


## TESADIA Plug Gauge

Easy-to-handle plug gauge for 2-point or 3-point measurement on cylindrical bores – Ideal for blind bores and short centring shoulders with diameters ranging from 2,98 up to 250 mm.

- Features a built-in probe that can be connected to a TESA's electronic unit, e.g. TESATRONIC or TESA Interface Box BP 880.
- Specially suited for recurrent measuring on the production floor as well as for receiving and final inspection of medium and large-sized batches of parts.
- Equipped with a guiding cylinder that renders unnecessary swinging the plug gauge to find the culmination point. Self-centring and self-aligning.



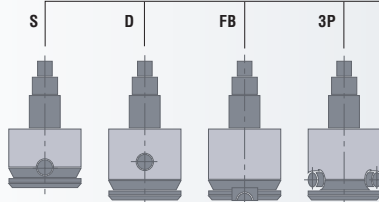
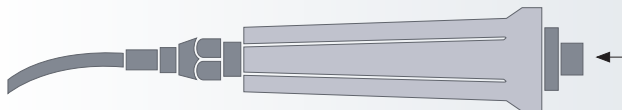
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**=**

<b>05560221</b>	Handle with built-in GT21 axial probe
<b>05560228</b>	Handle alone
<b>S55071072</b>	Handle for indicator

### Handle

- With built-in TESA GT 21 axial probe.
- Mechanical device for fine adjustment, stress-relieved probe cable.
- Possible connection of a TESA GT 21 compatible probe from another source.



- S** 2-point plug gauge in standard execution for through holes
- D** 2-point plug gauge with longer guiding cylinder for through holes
- FB** Plug gauge for blind bores
- 3P** 3-point plug gauge for through holes



You may ask for a quotation for plug gauges with their own setting rings as well as for the electronic unit.

Specify nominal dimension along with both upper and lower limits of size as well as workpiece material.

### Plug Gauge

- Equipped with both a measuring head and guiding cylinder.
- Uses the measuring needle with reversal wedge at one end to transfer the sweeping movement of the measuring insert to the axial probe.
- Houses a guiding cylinder having a special profile for unrestrainedly introduction of the plug gauge into the bore to be measured. No locking, no tilting.
- Choice of gauging contacts offering optimum adaptation to the parts to be checked, i.e.:
  - tungsten carbide tipped (not suited for non-ferrous metal alloy);
  - hard-chrome plated (partially suited for non-ferrous metal alloy);
  - ruby contacts (suited for non-ferrous metal alloy);
  - diamond contacts (suited for soft light alloy);
  - synthetic contacts (suited for polished surfaces).



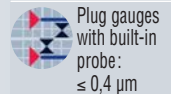
Measuring faces: see opposite



Plug gauges with built-in probe.  
 • 2-point model: 1%  
 • 3-point model: 3%  
 These percentages refer to the measuring span of each plug gauge



Plug gauges with built-in probe.  
 • 2-point model:  $\leq 1 \mu\text{m}$   
 • 3-point model:  $\leq 2 \mu\text{m}$



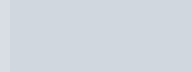
Plug gauges with built-in probe:  $\leq 0,4 \mu\text{m}$   
 0,3 to 1,2 N according to relevant model



10° C to 35° C



-25° C to 55° C



Declaration of conformity