

# TESA Long-Travel Probes with Measuring Bolt Activation by Pneumatic Pressure

## Standard Probes

Made 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.



GT 282

GT 272-A

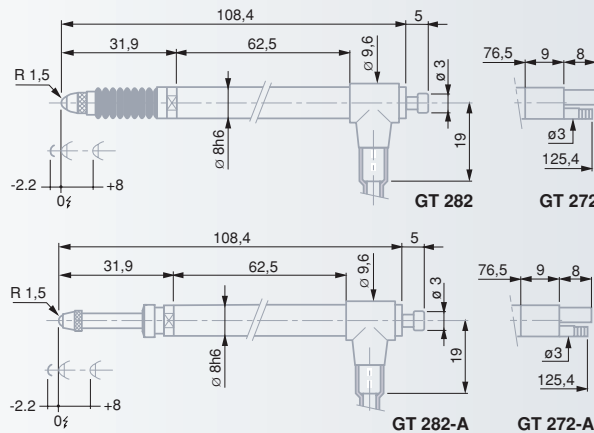
### GT 272 probes with axial cable exit

		Measuring range (mm)	Upper travel (mm)*	N**	Measuring bolt activation	Sealing below		
<i>Standard probes</i>								
03230061	GT 272	± 2	8,1	1,0	▼ ▲	Viton		
03230068	GT 272-A	± 2	8,1	0,85	▼ ▲	none		

### GT 282 probes with radial cable exit

		Measuring range (mm)	Upper travel (mm)*	N**	Measuring bolt activation	Sealing below		
<i>Standard probes</i>								
03230053	GT 282	± 2	8,1	1,0	▼ ▲	Viton		
03230069	GT 282-A	± 2	8,1	0,85	▼ ▲	none		

\* Travel from the electrical zero up to the upper stop.  
 \*\* Nominal value at electrical zero; max. deviation ±25%. Valid in 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.



DIN 32876 Part 1

See in tables

Any position of use

8 mm dia. fixing shank. Ball-bearing measuring bolt. Both lower and upper stops are fixed.

Interchangeable insert with a 3 mm dia. carbide ball tip. M2,5 thread. 2 m long cable. 5-pin DIN 45322 connector.

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

Viton bellows in high-resistance elastomer

Moved mass 8 g

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

0,15 µm/°C

20 ± 0,5°C

-10°C to 65°C

80%

IP65 (IEC 60529) or IP50 for GT 272-A plus GT 282-A

Shipping packaging

Identification number

Inspection report with a declaration of conformity

		Air pressure (bar)	mm	µm	µm	µm***	Technical data sheets
		nominal	maximum				
GT 272		1,1	1,5	10,3	0,05	0,05	0,2 + 3 · L <sup>3</sup> 03200414
GT 272-A		1,0	6,0	10,3	0,05	0,05	0,2 + 3 · L <sup>3</sup> 03200431
GT 282		1,1	1,5	10,3	0,05	0,05	0,2 + 3 · L <sup>3</sup> 03200390
GT 282-A		1,0	6,0	10,3	0,05	0,05	0,2 + 3 · L <sup>3</sup> 03200432

\*\*\* Linearity related max. permissible errors (L in mm).