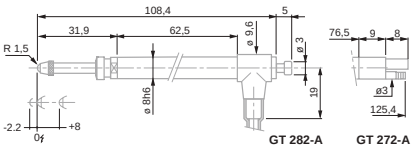
Pneumatic Probes ± 2 mm, 10,3 mm Bolt Travel, with Long Retraction Travel

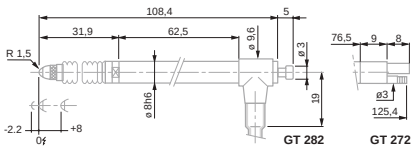
These probes are intended for use with measuring fixtures or machines integrating automated and semi-automated measuring routines.

- 8 mm diameter probe housing. Can be clamped over its entire length.
- Measuring bolt mounted on a ball bearing.
- Both the probe housing and ball-bearing guide are separate from one another, so that the measuring bolt moves easily even if the probe is not clamped appropriately.
- Degree of protection IP65 according to IEC 60529.
- Wide range of accessories including measuring inserts, etc.
- LVDT probes compatible with measuring equipment from other makers available on request.

GT 282-A



GT 282-A / GT 272-A



GT 282 / GT 272

GT 282

GT 272

GT 272-A

		Measuring range, mm	Measuring force, nominal*, N	Bolt retraction	Sealing bellows	Nominal/ Maximal pressure, bar
03230061	**GT 272**	± 2	1,0	Pressure (bolt activation), spring (bolt retractiom)	Viton	1,1 / max 1,5
03230053	**GT 282**	± 2	1,0	Pressure (bolt activation), spring (bolt retraction)	Viton	1,1 / max 1,5
03230068	**GT 272-A**	± 2	0,85	Pressure (bolt activation), spring (bolt retraction)	Without bellows	1,0 / max 6,0
03230069	**GT 282-A**	± 2	0,85	Pressure (bolt activation), spring (bolt retraction)	Without bellows	1,0 / max 6,0

	Measuring bolt travel, mm	Max. permissible error for deviations in linearity, µm (L in mm)	Repatability, µm	Hysteresis, µm	Cable output	Data Sheet No.
GT 272	10,3	$0,2 + 3 \cdot L^3$	0,05	0,05	Axial	03200414
GT 282	10,3	$0,2 + 3 \cdot L^3$	0,05	0,05	Radial	03200390
GT 272-A	10,3	$0,2 + 3 \cdot L^3$	0,05	0,05	Axial	03200431
GT 282-A	10,3	$0,2 + 3 \cdot L^3$	0,05	0,05	Radial	03200432

* Electrical zero (N) ± 25 % deviation limit. Valid in vertical mounting position, measuring bolt lowered and in static measuring.
** For an amplitude of 10 % to the last value of the measuring range.

DIN 32876 Part 1

See table

Nickel-plated housing. Stainless steel measuring bolt, hardened. Viton sealing bellows = highly resistant fluoroelastomer

Fixing shank Ø 8 mm. Measuring bolt guided on ball-bearing. Distance from electrical zero of both stops is either adjustable (downward) or depending on the position of the lower stop (upward). Interchangeable inserts. M2,5 thread. Carbide ball tip Ø 3 mm. 2 m long cable. 5-pin DIN 45322 connector.

Supply frequency: 13 kHz (± 5 %) Max. mechanical frequency** 60 Hz.

0,15 µm/°C

20 ± 0,5°C

-10°C to 65°C

80 %

Protection level: IP65 (IEC 60529), IP64 for GT 21 HP

Mobile weight: 8 g

Transport packaging

Identification number

Inspection report with a declaration of conformity