

## GT 41 / GT 42 Miniature Probes, ± 0,3 mm, 0,7 mm Bolt Travel

Compact probes for use in small spaces – Designed to be mounted on a measuring head for the inspection of bores and similar features.



DIN 32876 Part 1



See table



Nickel-plated housing. Stainless steel measuring bolt, hardened. Sealing bellows: Nitrile = resistant elastomer. Viton = highly resistant fluoroelastomer.



Fixing shank Ø 8 mm. Ball-bearing measuring bolt. Both lower and upper stops are fixed. Interchangeable insert. 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.



0,1 µm/°C



20 ± 0,5°C



-10°C to 65°C



80 %



Level of protection: IP65 (IEC 60529)



Mobile weight: 2 g



Transport packaging



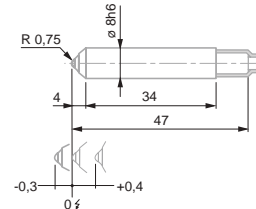
Identification number



Inspection report with a declaration of conformity



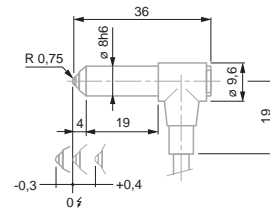
GT 41



GT 41



GT 42



GT 42

No	=	Measuring range, mm	Nominal measuring force*, N	Bolt retraction	Sealing bellows
03230001	GT 41	± 0,3	0,63	None	Nitrile
03230002	GT 42	± 0,3	0,63	Vacuum	Nitrile

	=	Measuring bolt travel, mm	Max. permissible error for deviations in linearity, µm (L en mm)	Repeatability, µm	Hysteresis, µm	Setting of lower stop of measuring bolt***, mm	Cable output	Data sheet No.
GT 41	0,7	0,2 + 5 · L <sup>2</sup>	0,01	0,01	Fixed stops: lower -0,3 upper +0,4	Axial	03200258	
GT 42	0,7	0,2 + 5 · L <sup>2</sup>	0,01	0,01	Fixed stops: lower -0,3 upper +0,4	Radial	03200259	

\* 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.

\*\*\* Distance from electrical zero.

