

# Precision Dial Gauges

## 0,01 mm dial readout/ 40 mm dial diameter

These precision dial gauges combine excellent metrological properties with extra-long life.

- Smooth full-jewelled movement with rubies.
- Full-metal dial casing and bezel.
- Fully shockproof mechanism.
- Non-dazzling dial.
- Swiss Made.



EN ISO 463  
Factory standard

0,01 mm

2,2 mm

Rotating dial.  
Regular models with or without dial lock.

Full-metal casing.  
Fixing shank and plunger in hardened stainless steel.

With or without shockproof mechanism

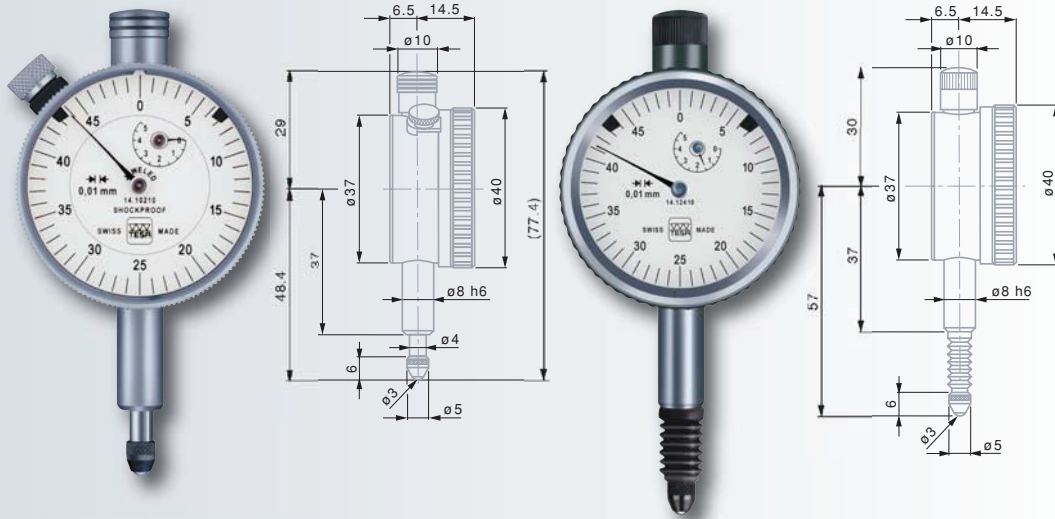
Adjustable tolerance marks. M2.5 mounting thread for the measuring insert.

3 mm dia. ball tip, already mounted.

Cardboard box

Identification number

Inspection report with a declaration of conformity



mm

mm

mm

mm

### TESA dial gauges

<b>01410210</b>	<b>YR</b>	0,01	5	5,4	●	0,5	0 ÷ 25 ÷ 50	●
<b>01410211</b>	<b>YR</b>	0,01	5	5,4	●	0,5	0 ÷ 25 ÷ 0	●
<b>01410212</b>	<b>YR</b>	0,01	5	5,4	●	0,5	0 ÷ 25 ÷ 50	–
<b>01412010</b>	<b>YE</b>	0,01	5	5,4	–	0,5	0 ÷ 25 ÷ 50	–

### MERCER dial gauges

<b>01416013</b>	<b>X185-1</b>	0,01	5	5,4	–	0,5	0 ÷ 25 ÷ 0	●
<b>01416014</b>	<b>186-1</b>	0,01	5	5,4	–	0,5	0 ÷ 25 ÷ 50	●

### TESA IP54 dial gauge, protected against the penetration of liquids

<b>01412410</b>	<b>YE</b>	0,01	5	5,4	–	0,5	0 ÷ 25 ÷ 50	–
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### Permissible limits of a metrological characteristic (MPE/MPL)

		0,01 mm
	Deviation span	12 µm
	Deviation span within the local measuring span 0,10 mm	6 µm
	Total deviation span	14 µm
	Repeatability limit	3 µm
	Max. hysteresis	3 µm
	Measuring force	≤ 1,4 N
	– Model IP54	≤ 2 N