

# ETALON® Basic and ROCH Precision Dial Gauges - 0,01 mm or 0,001 mm

Remarkably reliable, also when constantly used during series inspection – Made for comparative measurements demanding a very low uncertainty – Measure axial and radial runouts with minimum hysteresis.

- Shockproof movement with gear-level transmission and long dead travel.
- Large, non-dazzling dial for easy readout.
- No coarse reading errors as the measuring travel is limited to less than one revolution.
- Fine adjustment and protective knob to prevent unintentional pointer displacement.



DIN 879-1  
Sizes as per  
DIN 878



Ball-bearing  
plunger,  
except for the metric  
model to 0,01 mm  
mounted on a plain  
bearing



Metal  
case housing

Plunger made from  
hardened stainless  
steel



Adjustable tolerance  
markers

Coupling thread for  
the lifting cable

M2,5 thread for the  
measuring insert



≈ 1 N



1 insert with a  
3,175 mm. dia.  
steel ball tip (mounted).  
1 lifting cable.



Suited  
plastic case



Declaration  
of conformity



**Regular models**

	<b>14.1761371</b>	0,01	0,5	2,5	62	with	25 ÷ 0 ÷ 25
<b>14.19051</b>	<b>14.1761373</b>	0,001	0,1	3,0	62	with	50 ÷ 0 ÷ 50

**Model IP54 protected against the penetration of liquids**

<b>14.19052</b>		0,001	0,1	3,0	62	with	50 ÷ 0 ÷ 50
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## Accuracy



0,01 mm 0,001 mm



Max. perm. errors in one measuring direction throughout the measuring range	10 μm	1 μm
over a local measuring range of 10 scale divisions whatsoever	7 μm	0,7 μm
in both measuring directions throughout the measuring range	12 μm	1,2 μm



Repeatability limit	5 μm	0,5 μm
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Max. hysteresis	5 μm	0,5 μm
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