

ETALON HP

High precision comparators

ETALON with short measuring travel

The ultimate in high precision.

Remarkably reliable, even when constantly used for series inspection – Specially designed for comparative measurements requiring a very low measurement uncertainty – Measures axial and radial runouts with very low hysteresis.

- Shockproof movement. Lever and gear transmission system. Long dead travel.
- Non-reflecting dial for easy readout.
- Measuring travel limited to less than one revolution of pointer. No possibility of reading errors.
- Fine adjustment with protective knob to prevent accidental displacement of the pointer.

- DIN 879-1 Dimensions according to EN ISO 463
- Full-metal dial casing. Stainless steel plunger, hardened.
- ≈ 1 N
- Measuring plunger on ball-bearings
- Adjustable tolerance markers. Coupling thread for retraction cable. M2,5 thread for measuring insert
- 1 measuring insert already mounted, steel ball tip Ø 3.175 mm. 1 retraction cable.



	mm	mm	mm					
01419051	0,1	0,001	3,0	50 ÷ 0 ÷ 50	●	62	–	
01419052	0,1	0,001	3,0	50 ÷ 0 ÷ 50	●	62	IP54	

Accuracy

	0,001 mm
	Max. perm. errors in one direction throughout the measuring range, G_e
	1 μ m
	over any selected local range including 10 scale divisions, G_t
	0,7 μ m
	in both measuring directions throughout the total measuring range, G_{ges}
	1,2 μ m
	Repeatability limit, r_w
	0,5 μ m
	Max. hysteresis, f_u
	0,5 μ m

