

ROD 780/ROD 880

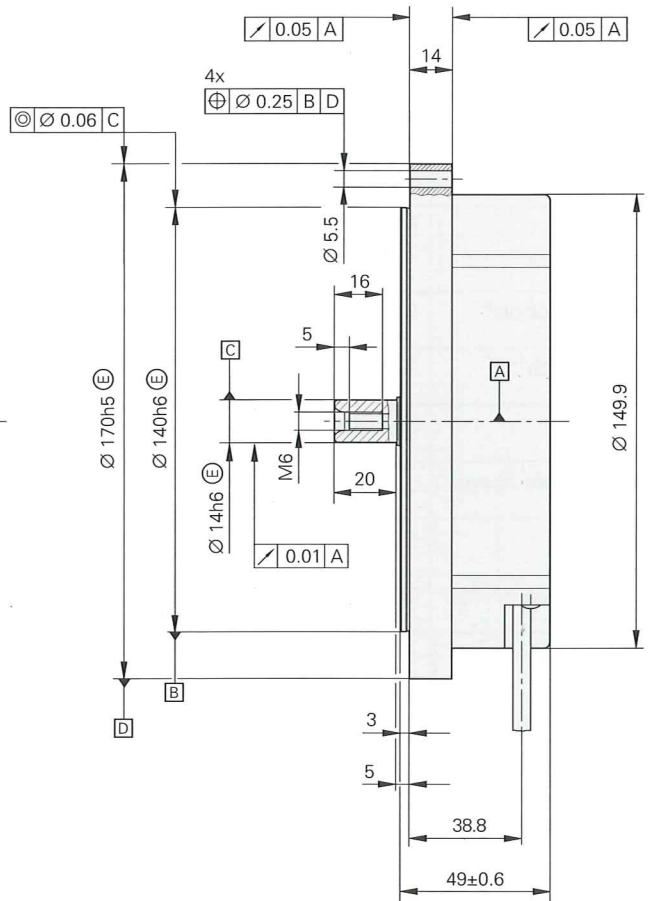
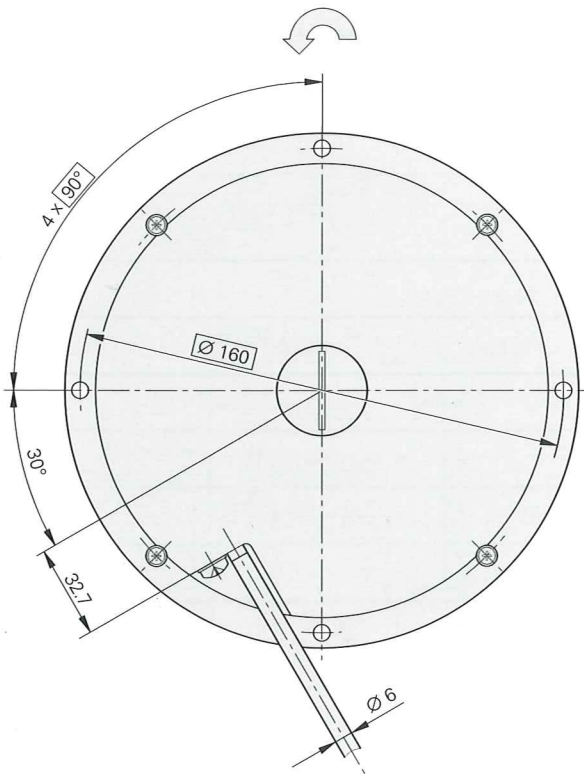
- For separate shaft coupling
- System accuracy ROD 780: $\pm 2''$
ROD 880: $\pm 1''$



Dimensions in mm



Tolerancing ISO 8015
ISO 2768 - m H
< 6 mm: ± 0.2 mm



Cable radial, also usable axially

= Bearing

Direction of shaft rotation for output signals as per the interface description

	Incremental	
	ROD 780	ROD 880
Incremental signals	$\sim 1 V_{PP}$	
Line count*	18000 36000	36000
Reference mark*	ROD x80: One ROD x80C: Distance-coded	
Cutoff frequency -3 dB	≥ 180 kHz	
Recommended meas. step for position capture	0.0001°	0.00005°
System accuracy	$\pm 2''$	$\pm 1''$
Power supply without load	5 V $\pm 10\%$ max. 150 mA	
Electrical connection*	Cable 1 m, with or without M23 coupling	
Max. cable length ¹⁾	150 m	
Shaft	Solid shaft D = 14 mm	
Mech. permissible speed	≤ 1000 rpm	
Starting torque	≤ 0.012 Nm at 20 °C	
Moment of inertia of rotor	$0.36 \cdot 10^{-3}$ kgm ²	
Shaft load	Axial: 30 N Radial: 30 N at shaft end	
Vibration 55 to 2000 Hz Shock 6 ms	≤ 100 m/s ² (IEC 60068-2-6) ≤ 300 m/s ² (IEC 60068-2-27)	
Operating temperature	0 to 50 °C	
Protection IEC 60529	IP 64	
Weight	Approx. 2.0 kg	

* Please indicate when ordering

¹⁾ With HEIDENHAIN cable