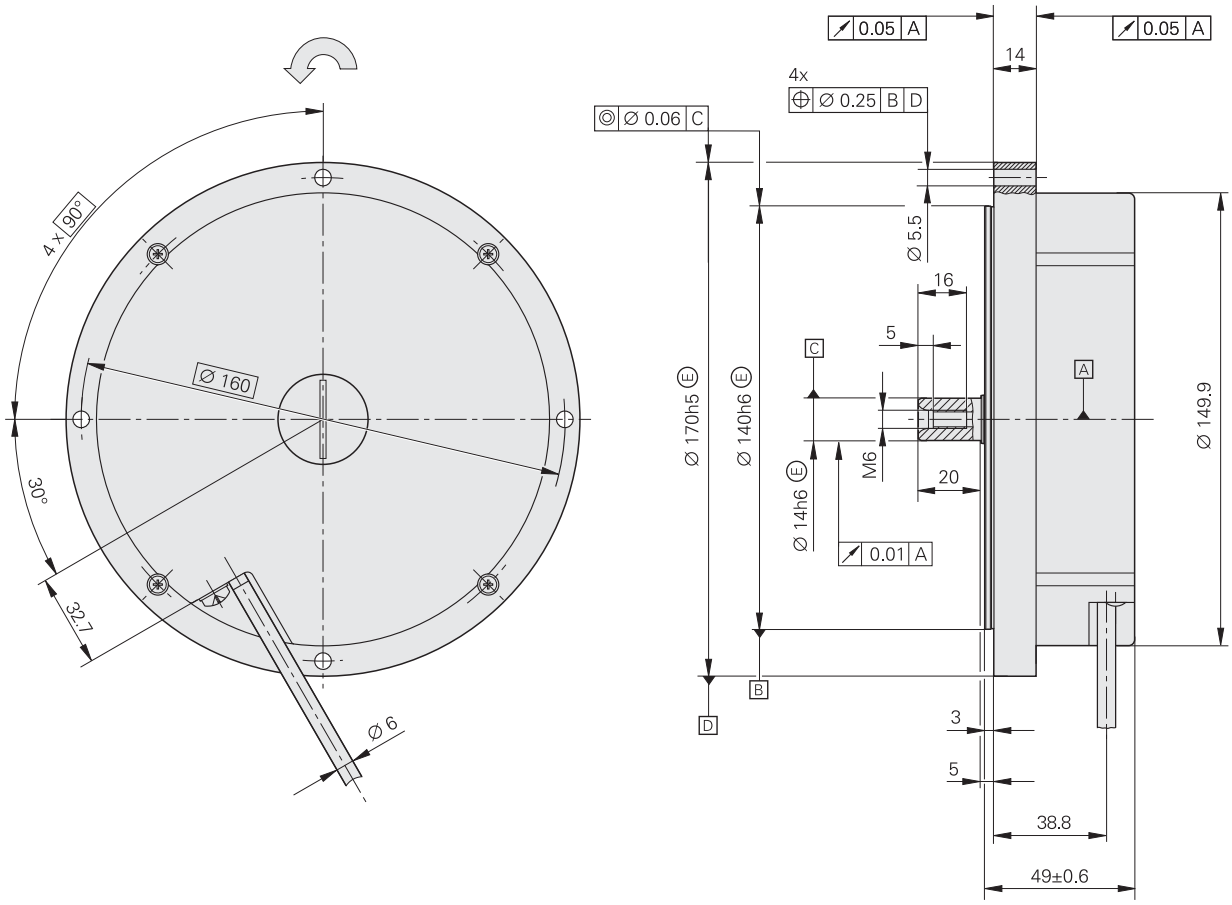
ROD 780/ROD 880

- **For separate shaft coupling**
- **System accuracy ROD 780: ± 2“**
  ROD 880: ± 1“

Dimensions in mm

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



Cable radial, also usable axially
A = Bearing
M1 = Position of the reference-mark signal (± 5°)
Direction of shaft rotation for output signals as per the interface description

	Incremental	
	ROD 780	**ROD 880**
Incremental signals	∿ 1 V_{PP}	
Line count*	18000 36000	36000
Reference mark*	*ROD x80:* One *RON x80C:* Distance-coded	
Cutoff frequency –3 dB	≥ 180 kHz	
Recommended measuring step for position measurement	0.0001°	0.00005°
System accuracy	± 2“	± 1“
Power supply Without load	5 V ± 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 min^{-1}	
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 (EN 60068-2-6) ≤ 300 m/s^2 (EN 60068-2-27)	
Operating temperature	0 °C to 50 °C	
Protection EN 60529	IP 64	
Weight	Approx. 2.4 kg	

***** Please select when ordering
1) With HEIDENHAIN cable

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