ROD 450

Clamping flange
High axial and radial shaft loading

100000 measuring steps/rev.
with 5000 lines after 5-fold interpolation

Standard line counts

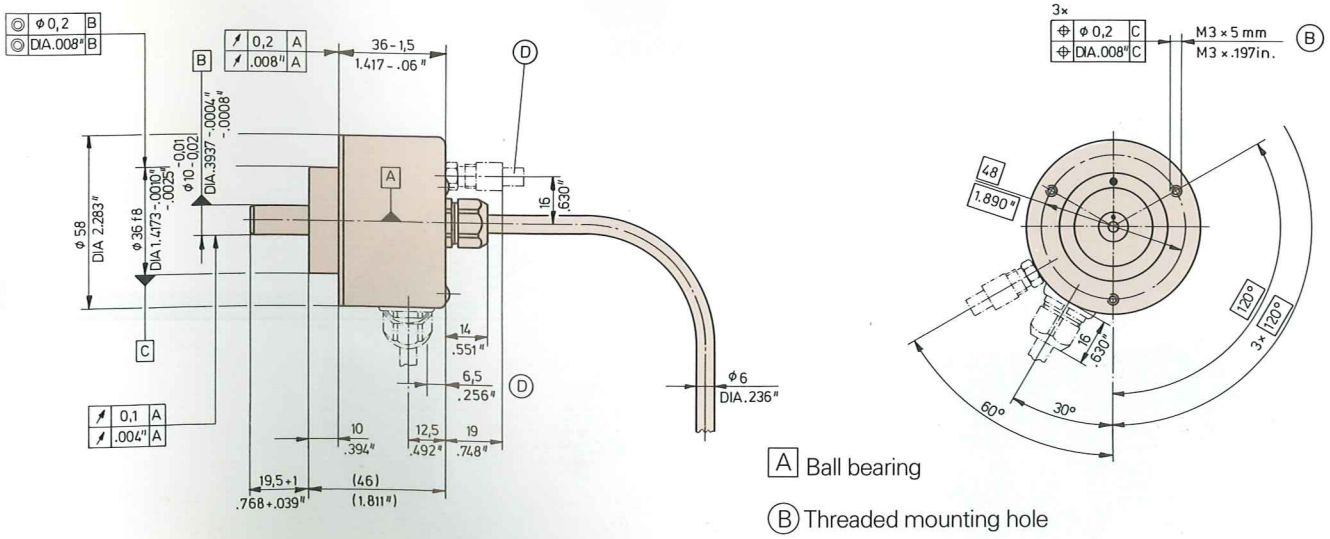
48	50	60	100	120
125	128	150	180	200
250	254	256	300	360
375	400	420	500	512
600	625	635	720	800
900	1000	1024	1080	1125
1250	1270	1500	1750	1800
2000	2048	2080	2500	2540
2920	3000	3600	3750	4000
4096	4490	4500	5000	

Mechanical Data

Protection		IP 64
Torque at 20° C (68° F)		≤ 0.01 Nm
Shaft speed	with no shaft load with max. shaft load	max. 16000 rpm max. 6000 rpm
Shaft load	axial radial	40 N 60 N (at shaft end)
Moment of inertia of rotor		$2.3 \cdot 10^{-6}$ kgm^2
Weight		approx. 0.3 kg (0.66 lb)
Operating temperature **Storage temperature**		–20 to 85° C (– 4 to 185° F) –30 to 85° C (–22 to 185° F)
Vibration (55 to 2000 Hz) **Shock** (6 ms)		≤ 100 m/s^2 (DIN IEC 68-2-6) ≤ 1000 m/s^2 (DIN IEC 68-2-27)

Dimensions

in mm/inches



A Ball bearing

B Threaded mounting hole

D Compressed air inlet