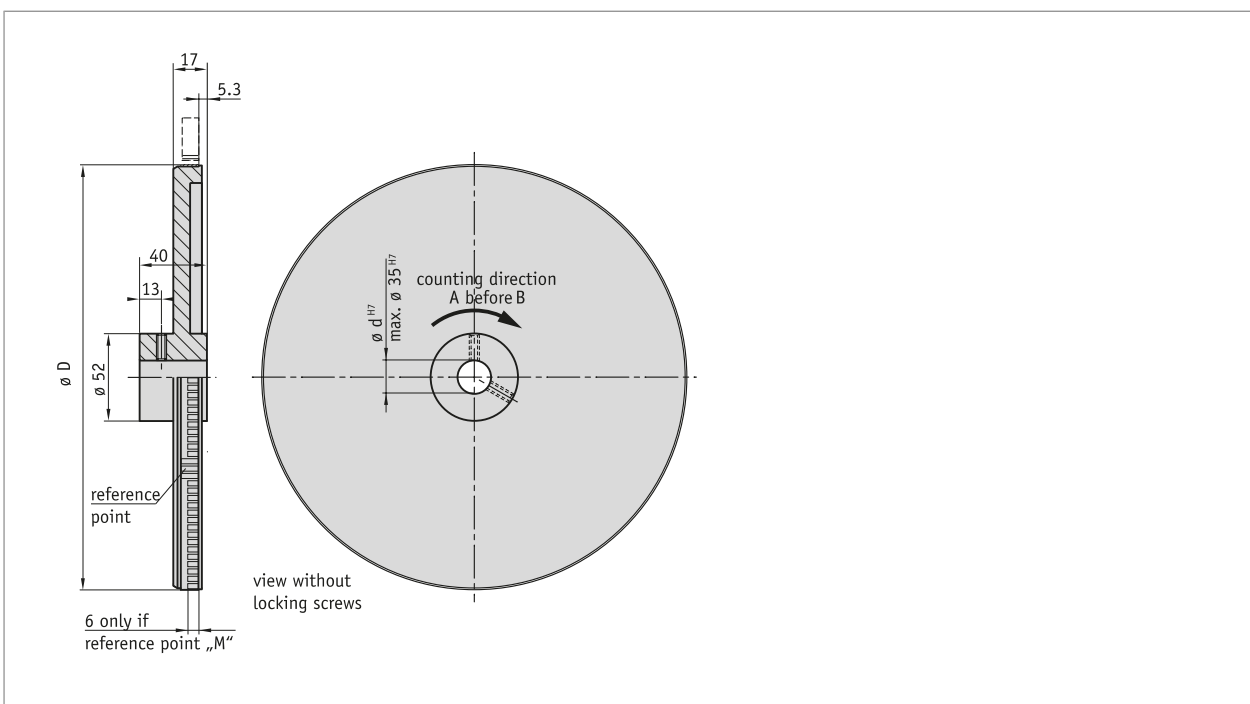


Magnetic ring MR320

Incrementally coded ring with permanently connected flange, pole length 3.2 mm

Profile

- Easy hollow-shaft mounting
- Rotary encoder system with IP67 protection class (in combination with MSK320)
- Up to 5000 pulses/revolution (20 000 increments)
- With reference point as an option



Mechanical data

Feature	Technical data	Additional information
Flange	aluminum	

■ Dimensions

Pole	100	150	180	250
Diameter D [mm]	100	151	181	253
Scope [mm]	320	480	570	800
Rotational speed	≤4680	≤3120	≤2630	≤1870

System data

Feature	Technical data	Additional information
Pole length	3.2 mm	
System accuracy	±0.1 ° at T _U = 20 ° C	
Measuring range	360 °	

Magnetic ring MR320

Incrementally coded ring with permanently connected flange, pole length 3.2 mm

■ pulses/revolution

"Pole number"	100	150	180	250	
Scaling factor of sensor	20	2000	3000	3600	5000
	16	1600	2400	2880	4000
	10	1000	1500	1800	2500
	8	800	1200	1440	2000
	5	500	750	900	1250
	4	400	600	720	1000
	1	100	150	180	250

Table applies to the combination MR320 with MSK320

Ambient conditions

Feature	Technical data	Additional information
Ambient temperature	-20 ... 70 °C	
Storage temperature	-20 ... 70 °C	
Relative humidity	100 %	condensation admissible

Order

■ Ordering table

Feature	Ordering data	Spezifikation	Additional information
"Pole number "	A 100 150 180 250	100 poles 150 poles 180 poles 250 poles others on request	
bore/diameter	B 20	ø20 mm others on request	
reference point	C 0 M	without with	

■ Order key



 Scope of delivery: MR320
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