

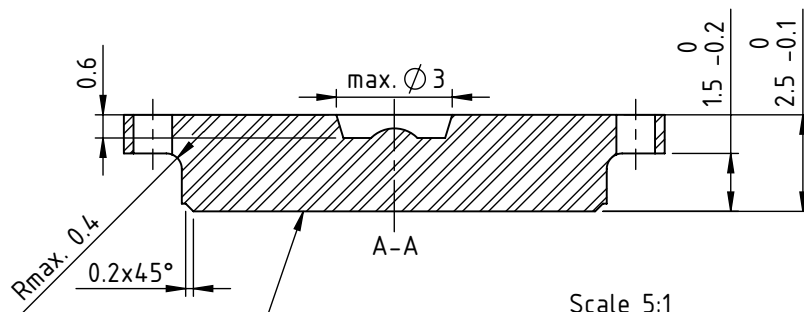
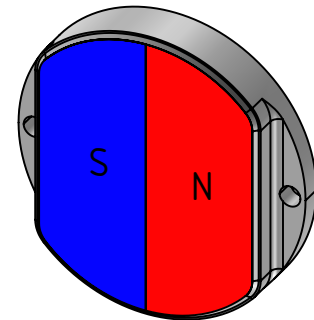
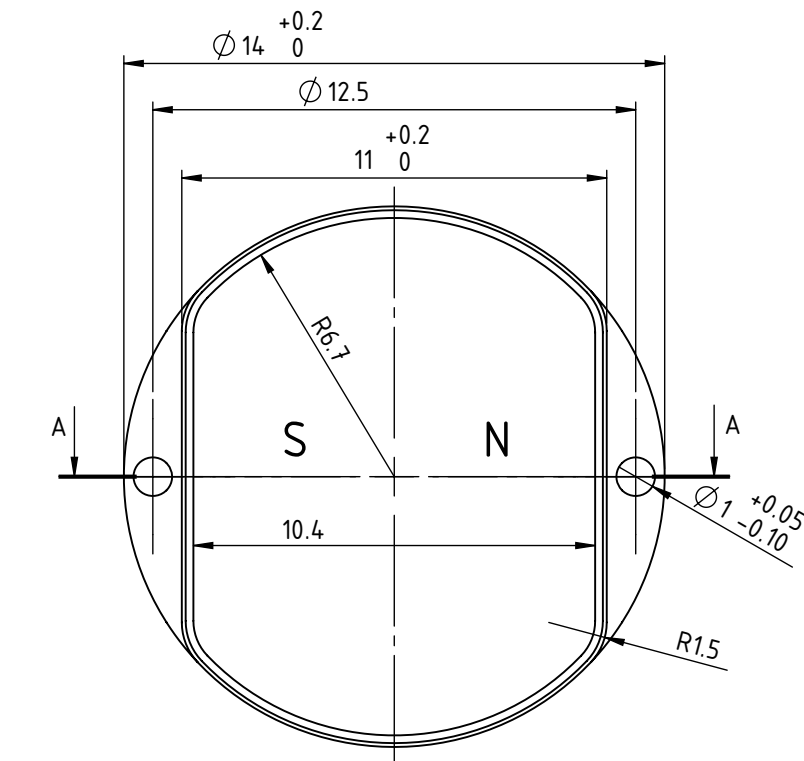
# MAG-4001

## Diametrical Magnet

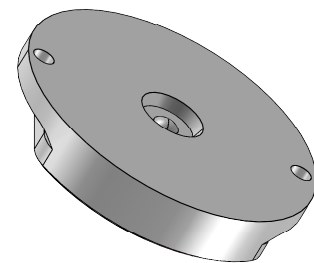
### ORDERING INFORMATION

Type	Order Designation	Description
Diametrical Magnet	MAG-4001	Outer Diameter: 14 mm Material: PA11 + NdFeB

### DIAMETRICAL MAGNET DIMENSIONS



Scale 5:1



Scale 3:1

2-poles magnetized on the front

All dimensions in [mm]



External magnetic fields can change the magnetic properties of the diametrical magnet or damage the magnetization. This may result in reduced system accuracy or failure. Do not bring the part in contact with other permanent magnets. On delivery, the magnets typically stick together in pairs which does not affect the performance of the magnet. Always pull off attracting parts perpendicular to the surface, do not shear them off. The magnets must not be brought together against their repulsive forces, i.e. with the same poles.

# MAG-4001

## Diametrical Magnet

### THERMAL DATA

Item No.	Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
				-40		125	°C
T01	Ta	Operating Ambient Temperature Range					

### CHARACTERISTICS

Item No.	Symbol	Parameter	Conditions	Min.	Typ.	Max.	Unit
				55			mT
C01	B <sub>min</sub>	Magnetic Flux Density	Room temperature at 3 mm axial measurement distance				mT
C02	B <sub>r</sub>	Remanence			540		mT
C03	TKB	Temperature coefficient of the remanence	Temperature range -40 °C...125 °C		-0.12		%/K
C04	HcB	Coercivity HcB			330		kA/m
C05	HcJ	Coercivity HcJ			600		kA/m
C06	Wt	Weight			1.75		g

### REVISION HISTORY

Rel.	Rel. Date*	Chapter	Modification	Page
A1	2023-02-08		Initial release	

Rel.	Rel. Date*	Chapter	Modification	Page
A2	2023-02-10	CHARACTERISTICS	Added item no. C06 (Weight)	2

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\* Release Date format: YYYY-MM-DD