



Products for tomorrow...

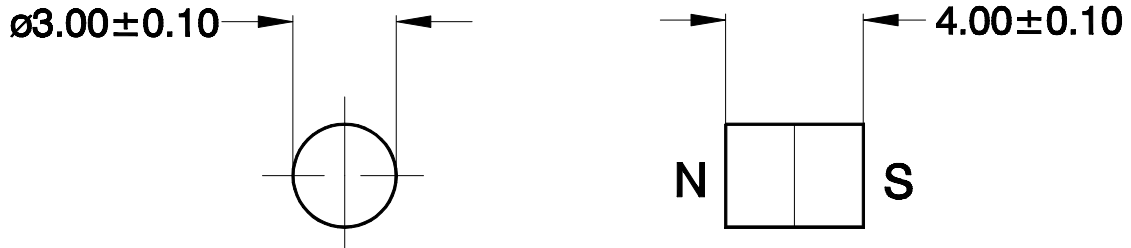
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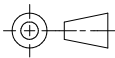
**Magnet:** SmCo<sub>5</sub> 3,0 x 4,0

**Part Number:** 4003004025

**Dimensions (mm)**



**round bar magnet magnetization axial**



SmCo<sub>5</sub> code acc. to DIN 17410 : 160 / 175 h

Magnetic values acc. to DIN 17410		Min.	Typ.	Max.	unit
Energy product	(B x H) max.	160	170	-	kJ/m <sup>3</sup>
Remanence	B <sub>r</sub>	900	925	-	mT
revers. temp. coeff. of B <sub>r</sub>		-	-0,042	-	%/K
Coercivity	H <sub>cB</sub>	680	710	-	kA/m
Coercivity	H <sub>cJ</sub>	1750	2000	-	kA/m
revers. temp. coeff. of H <sub>cJ</sub>		-	-0,25	-	%/K
Density		-	8,3	-	g/cm <sup>3</sup>
max. operating temperature		-	-	250	°C

**Remark :** all details correspond to manufacturer information

Magnetic Moment	M	-	2,83694	-	X10 <sup>-6</sup> Vs·cm
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**DEFINITION:**

**M = Φ · K**

Φ = Magnetic Flux

K = Coil Constant