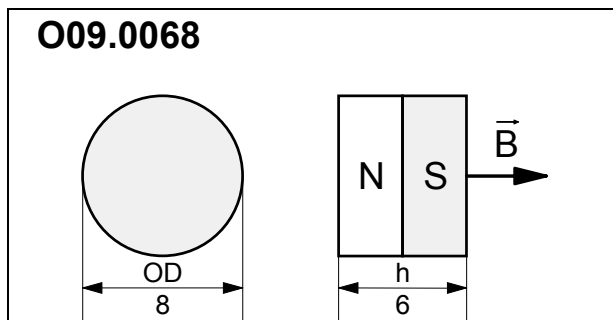


**SmCo MAGNET**  
**RCS24 - cylindrical**



**MAGNET DATA**

Parameter	Symbol	Note	Limits			
			Min.	Typ.	Max.	Unit
Material	SmCo	RCS24				
Magnetic Flux Density	Br		9500		10300	G
Temp. Coefficient of Flux Density	$\alpha(Br)$			-0.035		%/°C
Operating Temperature	TA				270	°C
Number of Pole Pairs	P	1				
Direction of Magnetization		see dwg.				
Mechanical Dimensions						
height	h		5.9	6.0	6.1	mm
outer diameter	OD		7.9	8.0	8.1	mm

Treatment of edges: without ridge  
 Treatment of the surface: none  
 Plating: none  
 Marking: none

**INDUCTION AS A FUNKTION OF AIRGAP (typ. values)**

Airgap, d [mm]	0,5	1,0	1,5	2,0	3,0	4,0
Induction, B [Gauß]	-	2468	2102	1699	1276	890

Airgap d is defined as the distance between sensor surface and magnet surface.  
 Induction B measured with a calibrated Hallsensor (UGN3605K - CAL).  
 The minimum 3sigma induction is approximately 10% lower than the typical value.

**ORDER NUMBER: O09.0068**