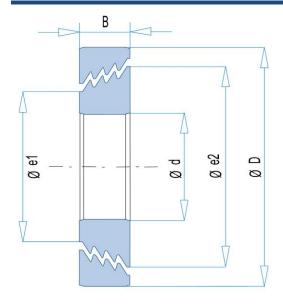


# Data Sheet Non-Contact Seals







Part Number	S70X125X15
Series	S
Drain Grooves	No

## Material

Inner Ring	Polyoxymethylene (POM)
Outer Ring	Polyoxymethylene (POM)

# **Shaft & Housing Tolerances**

Shaft Tolerance	h7
Housing Tolerance	H7
Shaft & Housing Surface	$R_z \le 16 \mu m$ ; $R_a \le 3.2 \mu m$
Shaft & Housing Chamfer	1.5 mm x 15°

## **Dimensions**

Bore Diameter	d [mm]	70
Outer Diameter	D [mm]	125
Width	B [mm]	15
Minor Gap Diameter	e1 [mm]	96
Major Gap Diameter	e2 [mm]	112
Axial Clearance <sup>1</sup>	S <sub>ax</sub> [mm]	1

#### Misc. Data

Weight	[kg]	0.170
Max Speed <sup>2</sup>	[rpm]	12,300
Temperature Range	[°C]	-40 – 60

#### Notes:

- 1. Axial Clearance  $(S_{ax})$  = The total axial movement of the seal's inner ring in relation to the outer ring in the axial direction.
- 2. The stated speed value is contingent on utilizing specified tolerances, correct installation techniques, and an operating temperature below the specified maximum.