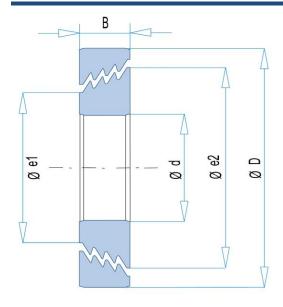


Data Sheet Non-Contact Seals







Part Number	S85X120X15
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]	85
Outer Diameter	D [mm]	120
Width	B [mm]	15
Minor Gap Diameter	e1 [mm]	96
Major Gap Diameter	e2 [mm]	112
Axial Clearance ¹	S _{ax} [mm]	1

Misc. Data

Weight	[kg]	0.100
Max Speed ²	[rpm]	10,800
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.