



Part Number	S45X85X10
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	$R_z \leq 16\mu\text{m}$; $R_a \leq 3.2\mu\text{m}$
Shaft & Housing Chamfer	1.0 mm x 15°

Dimensions

Bore Diameter	d [mm]	45
Outer Diameter	D [mm]	85
Width	B [mm]	10
Minor Gap Diameter	e1 [mm]	60
Major Gap Diameter	e2 [mm]	74
Axial Clearance ¹	S _{ax} [mm]	1

Misc. Data

Weight	[kg]	0.050
Max Speed ²	[rpm]	19,200
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.