



Part Number	SA50X90X10
Series	SA
Drain Grooves	Yes

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]	50
Outer Diameter	D [mm]	90
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]	17,800
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.