



Part Number	S82X110X12
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	1.2 mm x 15°

Dimensions

Bore Diameter	d [mm]	82
Outer Diameter	D [mm]	110
Width	B [mm]	12
Minor Gap Diameter	e1 [mm]	87
Major Gap Diameter	e2 [mm]	102
Axial Clearance ¹	S _{ax} [mm]	1

Misc. Data

Weight	[kg]	0.060
Max Speed ²	[rpm]	13,100
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.