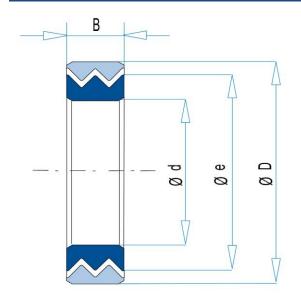


Data Sheet Non-Contact Seals









Part Number	L85X100X10
Series	L
Drain Grooves	No

Material

Inner Ring	Steel
Outer Ring	Aluminum

Shaft & Housing Tolerances

Shaft Tolerance	h6
Housing Tolerance	K7
Shaft & Housing Surface	$R_z \le 16 \mu m$; $R_a \le 3.2 \mu m$
Shaft & Housing Chamfer	1.0 mm x 15°

Dimensions

Bore Diameter	d [mm]	85
Outer Diameter	D [mm]	100
Width	B [mm]	10
Gap Diameter	e [mm]	95.0
Axial Clearance ¹	S _{ax} [mm]	0.42
Drain Groove Width	c [mm]	N/A

Misc. Data

Weight	[kg]	0.110
Max Speed ²	[rpm]	14,500
Temperature Range	[°C]	-40 – 200

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.