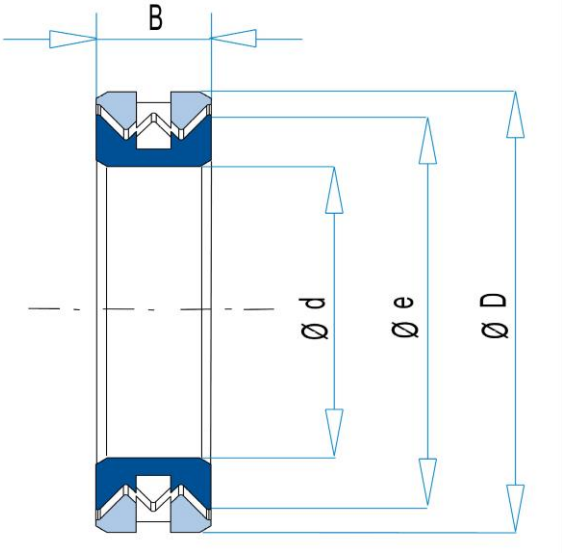
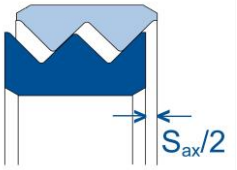
Data Sheet
Non-Contact Seals





Part Number	**M100X120X14**
Series	M
Drain Grooves	Yes

Material

Inner Ring	Steel
Outer Ring	Aluminum

Shaft & Housing Tolerances

Shaft Tolerance	h6
Housing Tolerance	K7
Shaft & Housing Surface	$R_z \leq 16\mu m$; $R_a \leq 3.2\mu m$
Shaft & Housing Chamfer	1.4 mm x 15°

Dimensions

Bore Diameter	d [mm]	100
Outer Diameter	D [mm]	120
Width	B [mm]	14
Gap Diameter	e [mm]	115.0
Axial Clearance[1]	S_{ax} [mm]	0.70
Drain Groove Width	c [mm]	4.0

Misc. Data

Weight	[kg]	0.250
Max Speed[2]	[rpm]	11,100
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.

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