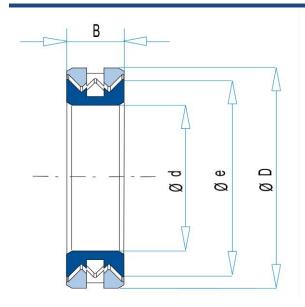


# Data Sheet Non-Contact Seals







Part Number	M170X210X20
Series	M
Drain Grooves	Yes

### Material

Inner Ring	Steel
Outer Ring	Aluminum

## **Shaft & Housing Tolerances**

Shaft Tolerance	h6
Housing Tolerance	K7
Shaft & Housing Surface	$R_z \le 16 \mu m$ ; $R_a \le 3.2 \mu m$
Shaft & Housing Chamfer	2.0 mm x 15°

#### **Dimensions**

Bore Diameter	d [mm]	170
Outer Diameter	D [mm]	210
Width	B [mm]	20
Gap Diameter	e [mm]	204.5
Axial Clearance <sup>1</sup>	S <sub>ax</sub> [mm]	0.80
Drain Groove Width	c [mm]	5.0

#### Misc. Data

Weight	[kg]	1.500
Max Speed <sup>2</sup>	[rpm]	5,400
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.