G 8X12X3Radial shaft seal with low cross-sectional height for needle roller bearings, G design

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Radial shaft seals with low cross-sectional height are intended for bearing arrangements that incorporate needle roller bearings. These contact seals are designed without garter springs. G design seals are made of rubber, with a single lip. Seals for shaft diameters ≥ 8 mm are reinforced with sheet steel. The rubber outside diameter enhances the seal around the housing bore and reduces the risk of damage to the seal and housing during installation and removal.

- Low cross-sectional height
- Retain the lubricant
- Exclude contaminants

Overview

Dimensions

Shaft diameter	8 mm
Housing bore diameter	12 mm
Seal width	3 mm

Properties

Auxiliary lip	No
Sealing lip material	Acrylonitrile-butadiene rubber (NBR)
Unit system	Metric

Technical Specification



Dimensions

d_1	8 mm	Shaft diameter
D	12 mm	Housing bore diameter
b	3 mm	Nominal seal width

Application and operating conditions

Operating temperature	min. -30 °C
Operating temperature	max. 110 °C
Shaft surface speed	max. 10 m/s
Rotational speed	max. 23 873 r/min

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