

Image may differ from product. See technical specification for details.

12X19X5 HMS5 RG1

Radial shaft seal with rubber outside diameter and single sealing lip, for oil or grease

Radial shaft seals are used between rotating and stationary machine components, or between components in relative motion. HMS5 seals are designed with a rubber outside diameter. They have a conventional sealing lip made of elastomer with a garter spring to maintain the right radial load.

- High pumping rate
- With garter spring
- Accommodate misalignment

Overview

Dimensions

Shaft diameter	12 mm
Housing bore diameter	19 mm
Seal width	5 mm

Performance

Limiting speed	3 240 r/min
Maximum operating temperature	100 °C
Minimum operating temperature	-40 °C
Permissible circumferential speed	1.31 m/s
Rotational speed	3 240 r/min

Properties

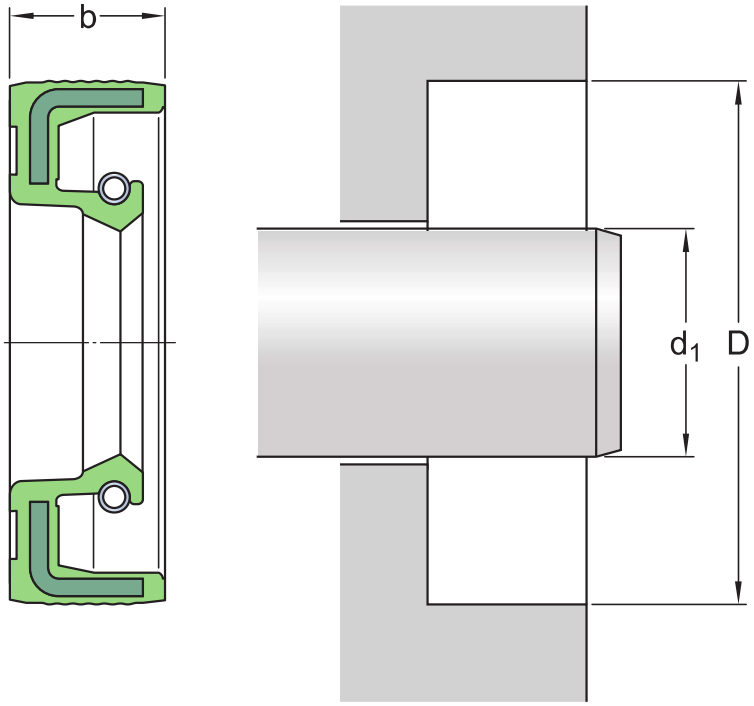
Design	HMS5
Auxiliary lip	No
Sealing lip material	Nitrile rubber (NBR)
Type of outside diameter	Rubber metal reinforced
Unit system	Metric

Logistics

Product net weight	0.0015 kg
eClass code	23-07-08-01
UNSPSC code	31181602

Technical specification

Type of outside diameter	Rubber metal reinforced
Lip material	Nitrile rubber (NBR)
Seal design	HMS5
Compliance with standard	ISO 6194; DIN 3760



Dimensions

d_1	12 mm	Shaft diameter
D	19 mm	Housing bore diameter
b	5 mm	Seal width

Application and operating conditions

Operating temperature	min. -40 °C
Operating temperature	max. 100 °C
Operating temperature, short periods	max. 120 °C
Circumferential speed	max. 1.31 m/s

Rotational speed	max. 3 240 r/min
Pressure differential	0.05 N/mm²

Associated products

SKF Speedi-Sleeve	99049

Compatible products

Recommended product

SKF Speedi-Sleeve	99049

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