

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

4912

Radial shaft seal with metal case and single sealing lip, for grease

Radial shaft seals are used between rotating and stationary machine components, or between components in relative motion. HM14 seals are designed with a sealant coated metal case. They have a conventional single sealing lip made of elastomer. Typical applications include grease lubricated agriculture machinery.

- Maximise the exclusion of contamination
- Accommodate low speed
- Easy installation

Overview

Dimensions

Shaft diameter	12.7 mm
Housing bore diameter	19.05 mm
Seal width	3.175 mm

Performance

Limiting speed	2 520 r/min
Maximum operating temperature	100 °C
Minimum operating temperature	-40 °C
Permissible circumferential speed	1.31 m/s
Rotational speed	2 520 r/min

Properties

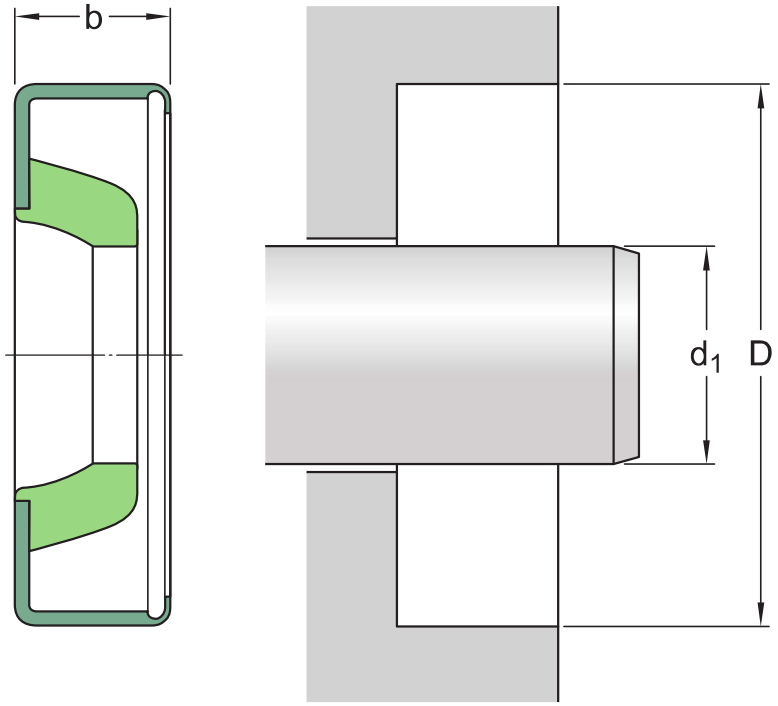
Design	HM14
Auxiliary lip	No
Sealing lip material	Nitrile rubber (NBR)
Type of outside diameter	Metal-cased
Unit system	Inch

Logistics

Product net weight	0.0023 kg
eClass code	23-07-08-01
UNSPSC code	31181602

Technical specification

Type of outside diameter	Metal-cased
Lip material	Nitrile rubber (NBR)
Seal design	HM14



Dimensions

d_1	12.7 mm	Shaft diameter
D	19.05 mm	Housing bore diameter
b	3.175 mm	Seal width

Application and operating conditions

Operating temperature	min. -40 °C
Operating temperature	max. 100 °C
Circumferential speed	max. 1.31 m/s
Rotational speed	max. 2 520 r/min
Pressure differential	0.07 N/mm²

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