

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

180X210X15 HMS5 V

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	180 mm
Housing bore diameter	210 mm
Seal width	15 mm

Performance

Limiting speed	3 480 r/min
Maximum operating temperature	200 °C
Minimum operating temperature	-25 °C
Permissible circumferential speed	38 m/s
Rotational speed	3 480 r/min

Properties

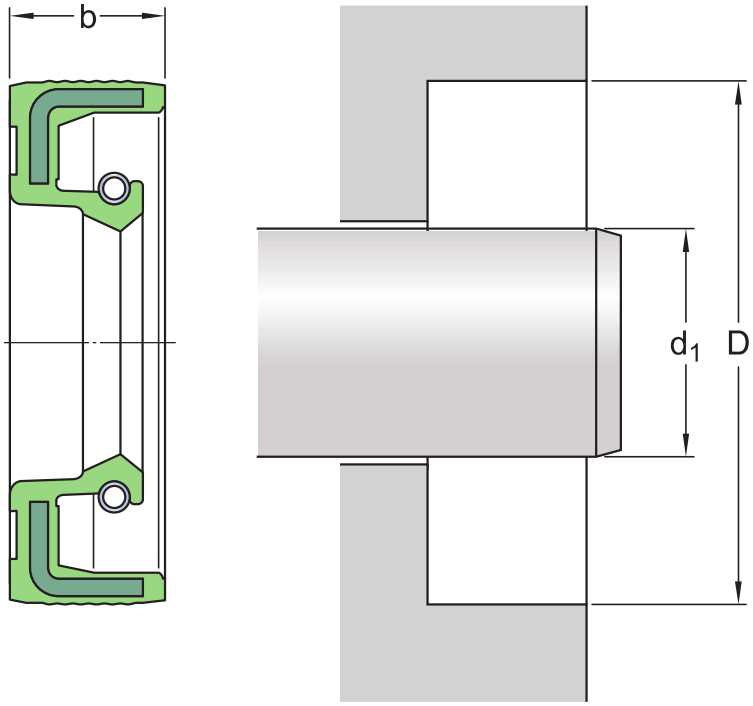
Design	HMS5
Auxiliary lip	No
Sealing lip material	Fluoro rubber (FKM)
Type of outside diameter	Rubber metal reinforced
Unit system	Metric

Logistics

Product net weight	0.242 kg
eClass code	23-07-08-01
UNSPSC code	31181602

Technical specification

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



Dimensions

d_1	180 mm	Shaft diameter
D	210 mm	Housing bore diameter
b	15 mm	Seal width

Application and operating conditions

Operating temperature	min. -25 °C
Operating temperature	max. 200 °C
Operating temperature, short periods	max. 200 °C
Circumferential speed	max. 38 m/s

Rotational speed	max. 3 480 r/min
Pressure differential	0.05 N/mm²

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