

45X100X10 HMS5 RG

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 or thermoplastic with a garter spring to maintain the right radial load.

- High pumping rate
- With garter spring
- Accommodate misalignment

Overview

Dimensions

Housing bore diameter	100 mm
Seal width	10 mm
Shaft diameter	45 mm

Performance

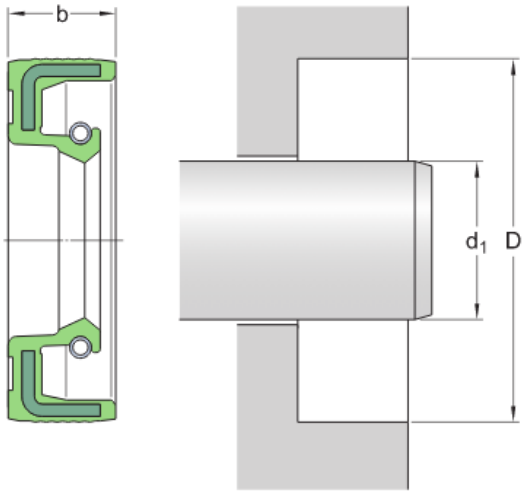
Permissible circumferential speed	7.41 m/s

Properties

Auxiliary lip	No
Design	HMS5
Metric/inches measurement system	Metric
Sealing lip material	Nitrile rubber (NBR)

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	45 mm	Shaft diameter
D	100 mm	Housing bore diameter
b	10 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. 7.41 m/s
Rotational speed	max. 3 120 r/min
Pressure differential	0.03 N/mm

Associated products

SKF Speedi-Sleeve	99177

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