



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

## 63X85X10 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 with a garter spring to maintain the right radial load.

- High pumping rate
- With garter spring
- Accommodate misalignment

# Overview

## Dimensions

Shaft diameter	63 mm
Housing bore diameter	85 mm
Seal width	10 mm

## Properties

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

## Performance

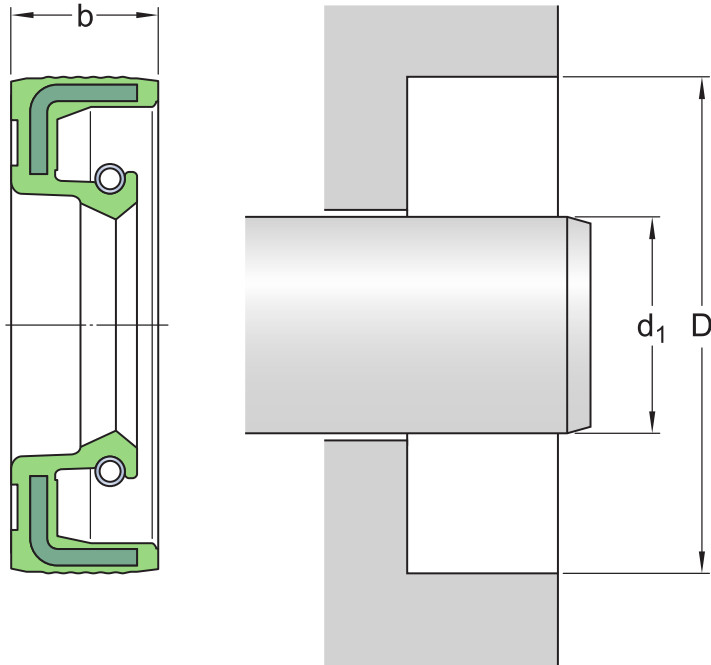
Limiting speed	2 640 r/min
Maximum operating temperature	100 °C
Minimum operating temperature	-40 °C
Permissible circumferential speed	8.77 m/s
Rotational speed	2 640 r/min

## Logistics

Product net weight	0.0394 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

$d_1$	63 mm	Shaft diameter
D	85 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. 8.77 m/s
Rotational speed	max. 2 640 r/min
Pressure differential	0.05 N/mm <sup>2</sup>

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