

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

# 10X19X7 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 | 10 mm |
| Housing bore diameter | 19 mm |
| Seal width | 7 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

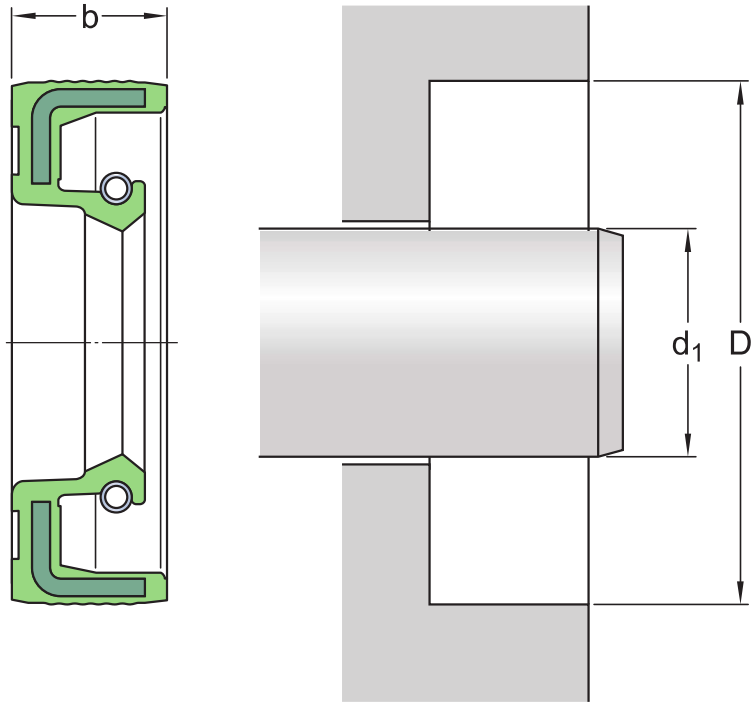
| | |
|---|---|
| Design | HMS5 |
| Auxiliary lip | No |
| Sealing lip material | Nitrile rubber (NBR) |
| Type of outside diameter | Rubber metal reinforced |
| Unit system | Metric |

## Logistics

| | |
|---|---|
| Product net weight | 0.0024 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

| | | |
|---|---|---|
| $d_1$ | 10 mm | Shaft diameter |
| D | 19 mm | Housing bore diameter |
| b | 7 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. 2 520 r/min |
| Pressure differential | 0.05 N/mm² |

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