

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

# 19763

## 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. HM21 seals are designed with a sealant coated metal case. They have a conventional double 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 | 50.8 mm |
| Housing bore diameter | 66.624 mm |
| Seal width | 6.35 mm |

## Performance

| | |
|---|---|
| Limiting speed | 2 970 r/min |
| Maximum operating temperature | 100 °C |
| Minimum operating temperature | -40 °C |
| Permissible circumferential speed | 7.9 m/s |
| Rotational speed | 2 970 r/min |

## Properties

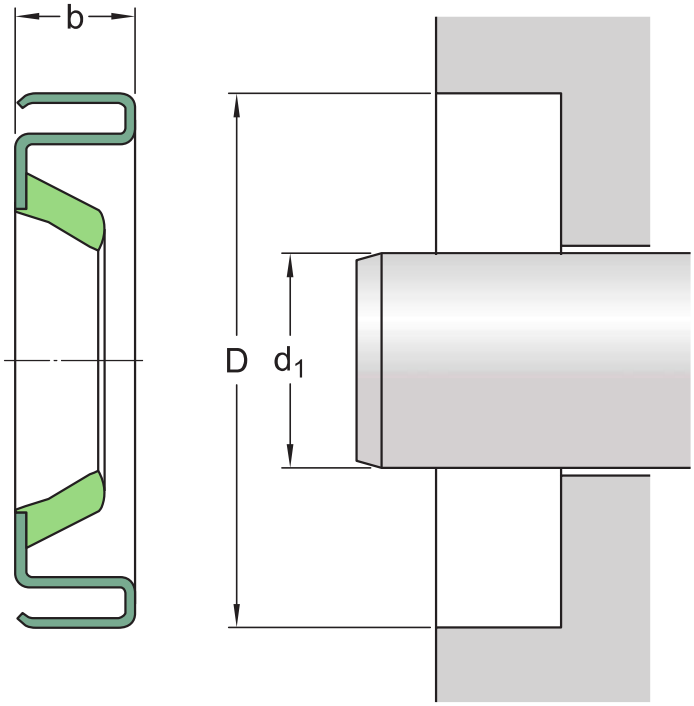
| | |
|---|---|
| Design | HM21 |
| Auxiliary lip | No |
| Sealing lip material | Nitrile rubber (NBR) |
| Type of outside diameter | Metal-cased |
| Unit system | Inch |

## Logistics

| | |
|---|---|
| Product net weight | 0.0159 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 | HM21 |




## Dimensions

| | | |
|---|---|---|
| $d_1$ | 50.8 mm | Shaft diameter |
| D | 66.624 mm | Housing bore diameter |
| b | 6.35 mm | Seal width |

## Application and operating conditions

| | |
|---|---|
| Operating temperature | min. -40 °C |
| Operating temperature | max. 100 °C |
| Circumferential speed | max. 7.9 m/s |
| Rotational speed | max. 2 970 r/min |
| Pressure differential | 0.07 N/mm² |

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