

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

# 70X90X10 HMSA10 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. HMSA10 seals are designed with a rubber outside diameter. They have a conventional sealing lip made of elastomer. A garter spring in the seal and a non-contacting auxiliary lip optimize the sealing against the shaft also in polluted environment.

- High pumping rate
- Higher contamination exclusion with dust lip
- With garter spring
- Accommodate misalignment

# Overview

## Dimensions

| | |
|---|---|
| Shaft diameter | 70 mm |
| Housing bore diameter | 90 mm |
| Seal width | 10 mm |

## Performance

| | |
|---|---|
| Limiting speed | 7 920 r/min |
| Maximum operating temperature | 200 °C |
| Minimum operating temperature | -25 °C |
| Permissible circumferential speed | 29 m/s |
| Rotational speed | 7 920 r/min |

## Properties

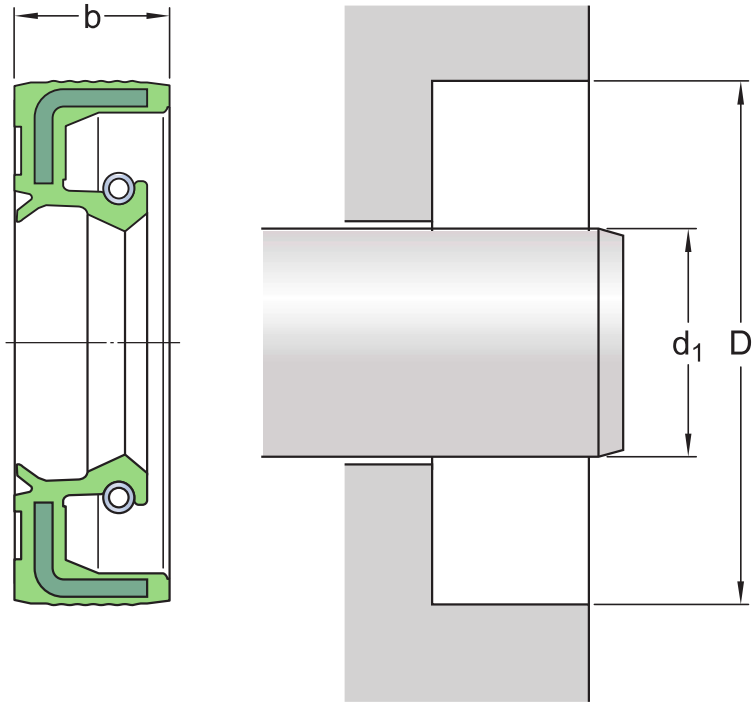
| | |
|---|---|
| Design | HMSA10 |
| Auxiliary lip | Yes |
| Sealing lip material | Fluoro rubber (FKM) |
| Type of outside diameter | Rubber metal reinforced |
| Unit system | Metric |

## Logistics

| | |
|---|---|
| Product net weight | 0.0464 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 | HMSA10 |
| Compliance with standard | ISO 6194; DIN 3760 |




## Dimensions

| | | |
|---|---|---|
| $d_1$ | 70 mm | Shaft diameter |
| D | 90 mm | Housing bore diameter |
| b | 10 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. 29 m/s |

| | |
|---|---|
| Rotational speed | max. 7 920 r/min |
| Pressure differential | 0.05 N/mm² |

## Associated products

| | |
|---|---|
| SKF Speedi-Sleeve | 99272 |

# Compatible products

## Recommended product

| | |
|---|---|
| SKF Speedi-Sleeve | 99272 |

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