

# 40X72X10 HMSA10 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. 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	40 mm
Housing bore diameter	72 mm
Seal width	10 mm

### Performance

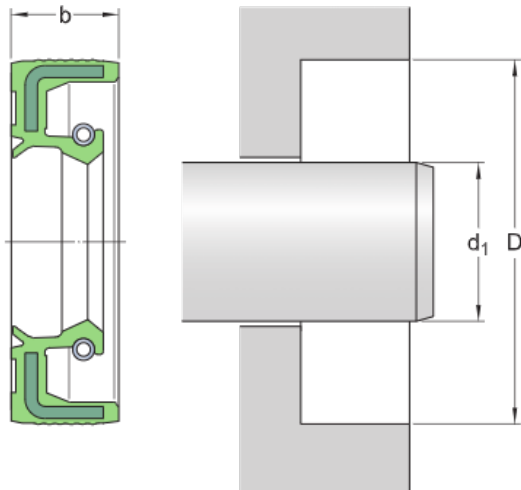
Maximum operating temperature	100 °C
Minimum operating temperature	-40 °C
Permissible circumferential speed	6.93 m/s
Rotational speed	3 300 r/min

### Properties

Design	HMSA10
Auxiliary lip	Yes
Sealing lip material	Nitrile rubber (NBR)
Type of outside diameter	Rubber metal reinforced
Unit system	Metric

## Technical Specification

US stock number	.
Type of outside diameter	Rubber metal reinforced
Lip material	Nitrile rubber (NBR)
Seal design	HMSA10
Compliance with standard	ISO 6194, DIN 3760



### Dimensions

$d_1$	40 mm	Shaft diameter
D	72 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. 6.93 m/s
Rotational speed	max. 3 300 r/min
Pressure differential	0.05 N/mm

## Associated products

SKF Speedi-Sleeve	99153
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