



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

52X100X10 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	52 mm
Housing bore diameter	100 mm
Seal width	10 mm

Performance

Maximum operating temperature	100 °C
Minimum operating temperature	-40 °C
Permissible circumferential speed	8 m/s
Rotational speed	2 940 r/min

Properties

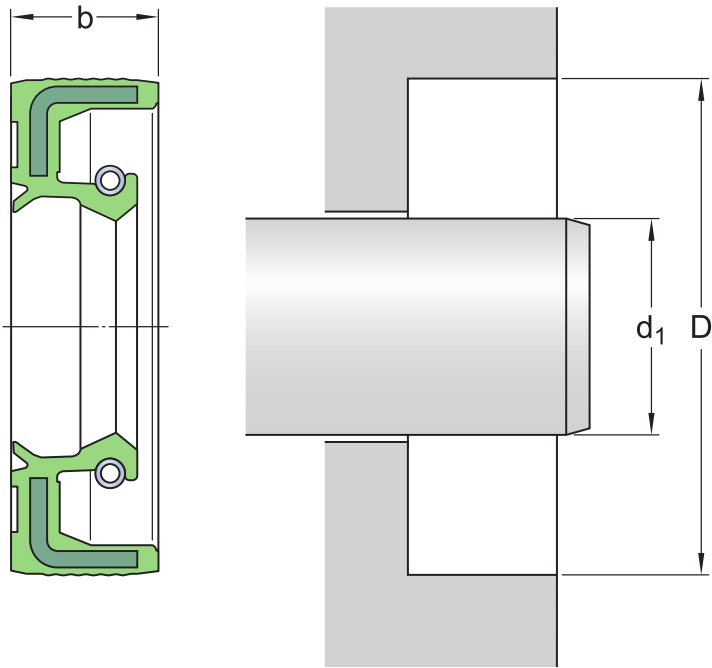
Design	HMSA10
Auxiliary lip	Yes
Sealing lip material	Nitrile rubber (NBR)
Type of outside diameter	Rubber metal reinforced
Unit system	Metric

Logistics

Product net weight	0.065 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	HMSA10
Compliance with standard	ISO 6194, DIN 3760



Dimensions

d ₁	52 mm	Shaft diameter
D	100 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 m/s
Rotational speed	max. 2 940 r/min
Pressure differential	0.05 N/mm ²

Associated products




SKF Speedi-Sleeve	99204
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Compatible products

Recommended product

SKF Speedi-Sleeve	99878
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More Information

<div> Engineering information</div> <div>Radial shaft seals</div> <div>Casette seals</div> <div>Wear sleeves</div> <div>Track pin seals</div> <div>Metal face seals</div> <div>V-ring seals</div> <div>Axial clamp seals</div>	<div> Related documents</div> <div>Industrial sealing solutions (644.6 KB)</div> <div>HMS5 and HMSA10, shaft seals (192.4 KB)</div> <div>SKF Speedi-Sleeve (591.9 KB)</div> <div>SKF Mudblock seals (350.0 KB)</div>	<div> Catalogues</div> <div>Industrial shaft seals (7.2 MB)</div> <div>Reinforced shaft seals (1.7 MB)</div> <div>CR Seals handbook (7.9 MB)</div>
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