



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

## 21164

**Radial shaft seal with metal case, SKF Wave lip and auxiliary, contacting lip, for oil or grease**

Radial shaft seals are used between rotating and stationary machine components, or between components in relative motion. CRWA1 seals are designed with a metal case, an SKF WAVE lip made of elastomer with higher pumping rate to reduce heat generation, a garter spring to optimize sealing against the shaft, and a dust lip to improve contamination exclusion. Most of the seals feature the SKF Bore Tite coating on the outside diameter that helps fill small imperfections in the housing bore.

- For oil or grease
- With garter spring
- WAVE lip creates higher pumping rate
- WAVE lip has less friction between shaft and lip
- WAVE lip has a lower temperature at the contact point

Overview

Dimensions

Shaft diameter	53.975 mm
Housing bore diameter	76.2 mm
Seal width	9.53 mm

Performance

Limiting speed	2 880 r/min
Maximum operating temperature	100 °C
Minimum operating temperature	-40 °C
Permissible circumferential speed	8.15 m/s
Rotational speed	2 880 r/min

Properties

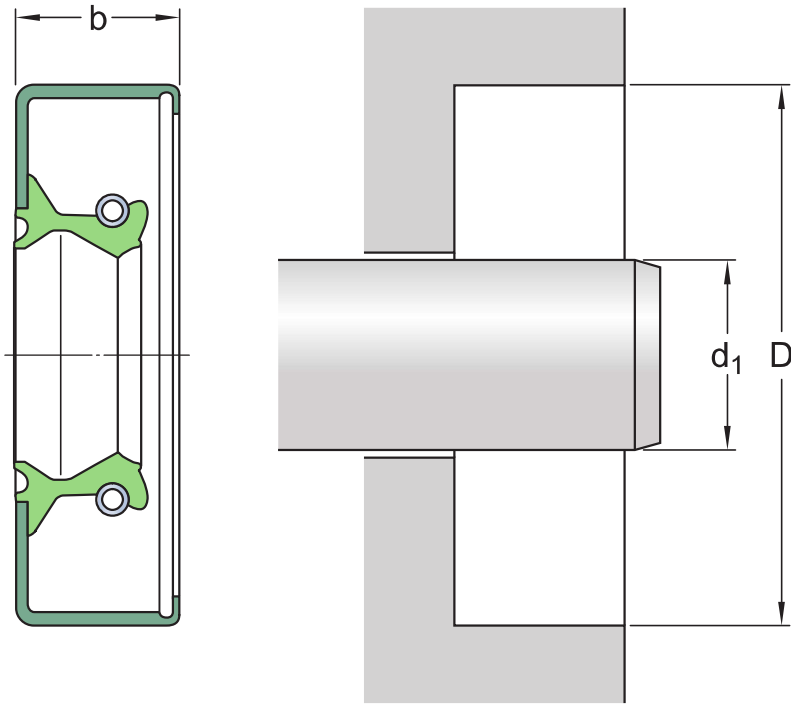
Design	CRWA1
Auxiliary lip	Yes
Sealing lip material	Nitrile rubber (NBR)
Type of outside diameter	Metal-cased with sealant coating on the outside diameter
Unit system	Inch

Logistics

Product net weight	0.0249 kg
eClass code	23-07-08-01
UNSPSC code	31181602

Technical specification

Type of outside diameter	Metal-cased with sealant coating on the outside diameter
Lip material	Nitrile rubber (NBR)
Seal design	CRWA1



Dimensions

d <sub>1</sub>	53.975 mm	Shaft diameter
D	76.2 mm	Housing bore diameter
b	9.53 mm	Seal width

Application and operating conditions

Operating temperature	min. -40 °C
Operating temperature	max. 100 °C
Circumferential speed	max. 8.15 m/s
Rotational speed	max. 2 880 r/min
Pressure differential	0.07 N/mm <sup>2</sup>

Associated products

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SKF Speedi-Sleeve	99210
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Compatible products

Recommended product

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SKF Speedi-Sleeve	<a href="#">99210</a>
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