

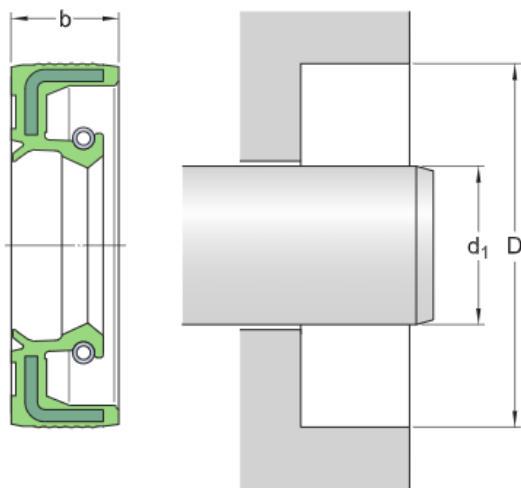
45X68X12 HMSA10 V

Radial shaft seals for general industrial applications

Radial shaft seals sit between rotating and stationary components, or two components in relative motion. They have two main parts. One is a cylindrical outer covering with an interference fit that seals statically against the housing bore. The second, a sealing lip, seals dynamically and statically against the shaft. Its sealing edge presses against the counterface surface of the shaft with a defined radial load.

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	45 mm	Shaft diameter
D	68 mm	Housing bore diameter
b	12 mm	Seal width

APPLICATION AND OPERATING CONDITIONS

Operating temperature	min.-20 °C
Operating temperature	max.200 °C
Permissible operating temperature, short periods	max.200 °C
Shaft speed	max.10 200 r/min
Shaft surface speed	max.24.01 m/s
Pressure differential	0.03 N/mm

ASSOCIATED PRODUCTS

SKF Speedi-Sleeve	99177
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PRODUCT FAMILIES

[Seals for general industrial applications](#)

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