



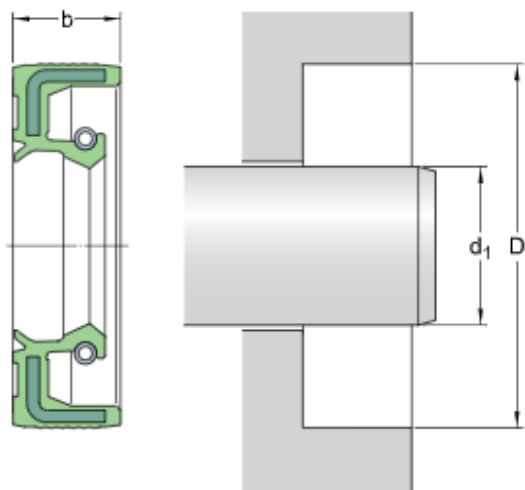
12X19X5 HMSA10 RG1

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	Nitrile rubber (NBR)
Seal design	HMSA10
Compliance with standard	ISO 6194, DIN 3760



DIMENSIONS

d_1	12 mm
D	19 mm
b	5 mm

APPLICATION AND OPERATING CONDITIONS

Operating temperature	min. -40 °C
Operating temperature	max. 100 °C
Permissible operating temperature, short periods	max. 120 °C
Shaft speed	max. 18120 r/min
Shaft surface speed	max. 11.39 m/s

PRODUCT FAMILIES

[Seals for general industrial applications](#)

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