

180 VA R

V-ring seal, VA design, global standard, interchangeable with VR1 design

V-ring seals (V-rings) are all-rubber, axial shaft seals. They offer an easy-to-install solution for rotating shaft applications, including use as a secondary seal in highly contaminated environments. The VA design includes a standard cross section with a straight back side face. Being the most common type of V-rings, VA seals are typically used to protect bearing arrangements in gearboxes, electric motors and drives.

- Easy to install
- Cost-effective
- Reliable contamination exclusion
- If not in stock alternatives can be produced by SKF SEAL JET systems

Overview

Dimensions

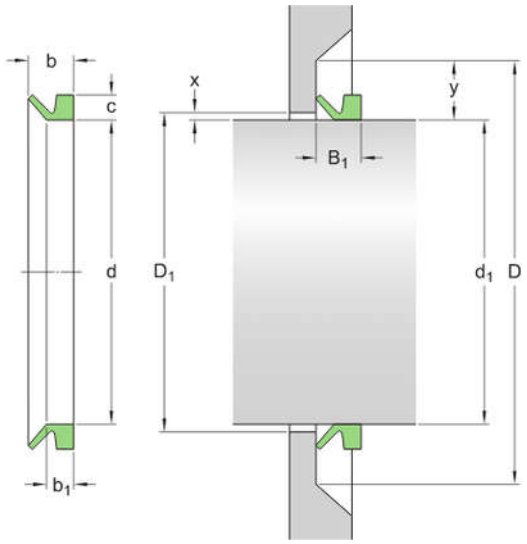
Seal width	14.5 mm
Shaft diameter, maximum	185 mm
Shaft diameter, minimum	175 mm

Properties

Design	VA
Sealing lip material	Nitrile rubber (NBR)

Technical Specification

Design	VA
Lip material	Nitrile rubber (NBR)



Dimensions

Shaft diameter range

d_1 over 175 mm		Shaft diameter range (over)
d_1 incl. 185 mm		Shaft diameter range (incl.)

Seal and abutment

d	162 mm	Seal inside diameter, free state
b	14.5 mm	Nominal seal width
b_1	9 mm	Seal seat width
c	8 mm	Nominal seal height
2 x	4 mm	Radial gap (twice)
D_{11}		
2 y	24 mm	Radial distance (twice)
D min. = d_1		
B_1	12 mm	Seal fitted width
	± 1.8 mm	Tolerance seal fitted width

Application and operating conditions

Operating temperature	min. -40 °C
Operating temperature	max. 100 °C

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