

45 VA V

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

Shaft diameter, minimum	43 mm
Shaft diameter, maximum	48 mm
Seal width	9 mm

Properties

Design	VA
Sealing lip material	Fluoro rubber (FKM)

Technical Specification

Design	VA
Lip material	Fluoro rubber (FKM)

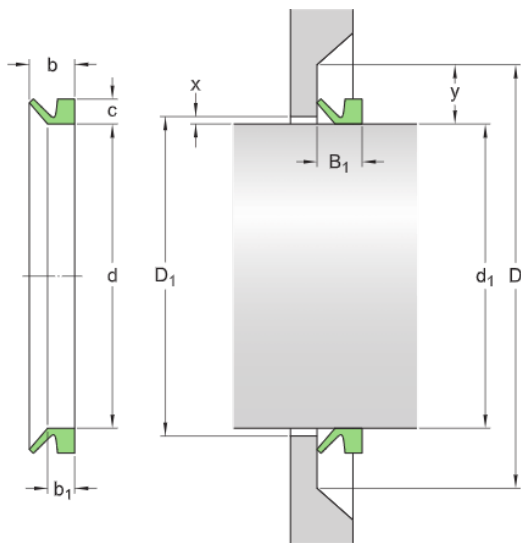
Dimensions

Shaft diameter range

d_1 over 43 mm	Shaft diameter range (over)
d_1 incl. 48 mm	Shaft diameter range (incl.)

Seal and abutment

d	40 mm	Seal inside diameter, free state
b	9 mm	Nominal seal width
b_1	5.5 mm	Seal seat width
c	5 mm	Nominal seal height
2 x	2 mm	Radial gap (twice)
D_{11}		
2 y	15 mm	Radial distance (twice)
D min. = d_1		
B_1	7 mm	Seal fitted width
	± 1 mm	Tolerance seal fitted width



Application and operating conditions

Operating temperature	min. -20 °C
Operating temperature	max. 150 °C

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