45 VS R

V-ring seal, VS design, global standard, interchangeable with VR2 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 VS design includes a standard low cross section with a tapered back side face and a wide seal body, providing a firm hold on the shaft. VS seals are commonly used in agricultural and automotive applications.

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

Overview

Dimensions

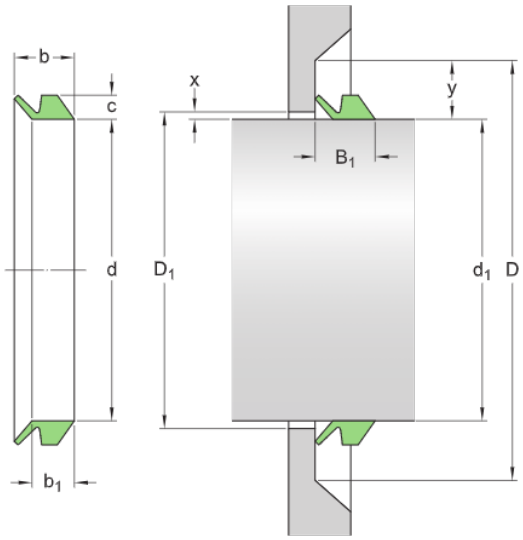
Shaft diameter, minimum	43 mm
Shaft diameter, maximum	48 mm
Seal width	13 mm

Properties

Design	VS
Sealing lip material	Nitrile rubber (NBR)

Technical Specification

Design	VS
Lip material	Nitrile rubber (NBR)



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	13 mm	Nominal seal width
b_1	9.5 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	11 mm	Seal fitted width
	± 1 mm	Tolerance seal fitted width

Application and operating conditions

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

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