

# 20 VS V



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	19 mm
Shaft diameter, maximum	21 mm
Seal width	10.5 mm

## Properties

Design	VS
Sealing lip material	Fluoro rubber (FKM)

# Technical Specification

Design	VS
Lip material	Fluoro rubber (FKM)

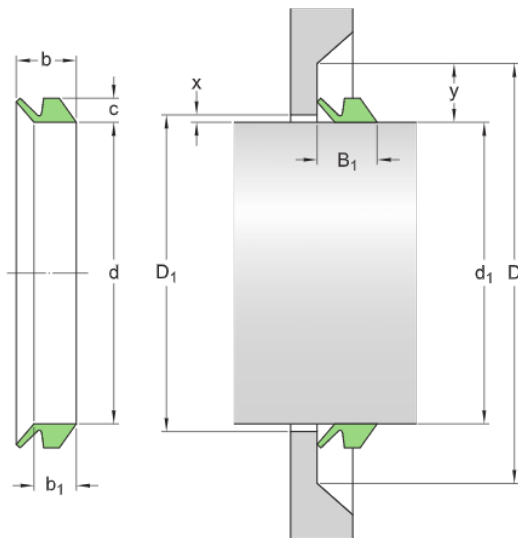
## Dimensions

### Shaft diameter range

$d_1$ over 19 mm	Shaft diameter range (over)
$d_1$ incl. 21 mm	Shaft diameter range (incl.)

### Seal and abutment

d	18 mm	Seal inside diameter, free state
b	10.5 mm	Nominal seal width
$b_1$	7.9 mm	Seal seat width
c	4 mm	Nominal seal height
2 x	2 mm	Radial gap (twice)
$D_{11}$		
2 y	12 mm	Radial distance (twice)
D min. = $d_1$		
$B_1$	9 mm	Seal fitted width
	$\pm 0.8$ mm	Tolerance seal fitted width



## Application and operating conditions

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

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