

# 160 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	155 mm
Shaft diameter, maximum	165 mm
Seal width	20.5 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 155 mm	Shaft diameter range (over)
$d_1$ incl. 165 mm	Shaft diameter range (incl.)

### Seal and abutment

d	144 mm	Seal inside diameter, free state
b	20.5 mm	Nominal seal width
$b_1$	15 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.	$= d_1$	
$B_1$	18 mm	Seal fitted width
	$\pm 1.8$ mm	Tolerance seal fitted width



## Application and operating conditions

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

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