



# 140 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	12.8 mm
Shaft diameter, maximum	145 mm
Shaft diameter, minimum	135 mm

## Properties

Design	VA
Sealing lip material	Nitrile rubber (NBR)

# Technical Specification

Design	VA
Lip material	Nitrile rubber (NBR)

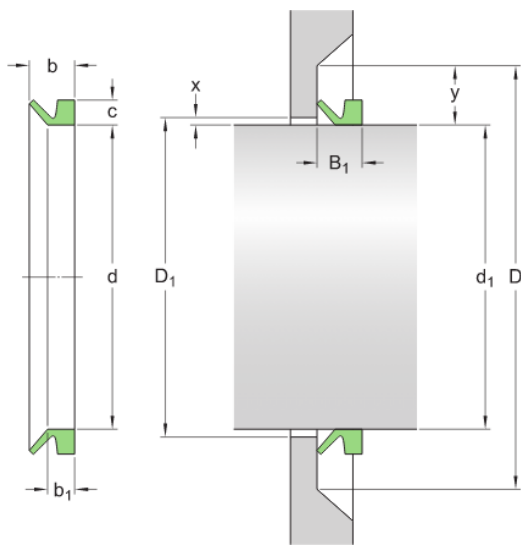
## Dimensions

### Shaft diameter range

$d_1$ over 135 mm	Shaft diameter range (over)
$d_1$ incl. 145 mm	Shaft diameter range (incl.)

### Seal and abutment

$d$	126 mm	Seal inside diameter, free state
$b$	12.8 mm	Nominal seal width
$b_1$	7.9 mm	Seal seat width
$c$	7 mm	Nominal seal height
$2 \times$	4 mm	Radial gap (twice)
$D_{11}$		
$2 \times y$	21 mm	Radial distance (twice)
$D \text{ min.} = d_1$		
$B_1$	10.5 mm	Seal fitted width
	$\pm 1.5 \text{ mm}$	Tolerance seal fitted width



## Application and operating conditions

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

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