

20 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 | 19 mm |
| Shaft diameter, maximum | 21 mm |
| Seal width | 10.5 mm |

Properties

| | |
|----------------------|----------------------|
| Design | VS |
| Sealing lip material | Nitrile rubber (NBR) |

Technical Specification

| | |
|--------------|----------------------|
| Design | VS |
| Lip material | Nitrile rubber (NBR) |

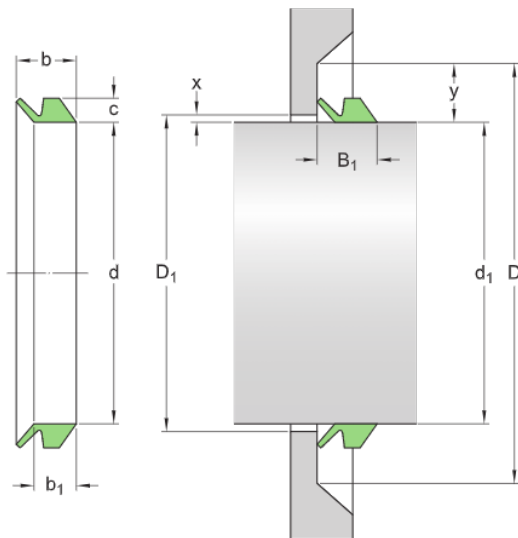
Dimensions

Shaft diameter range

| | |
|-------------------|------------------------------|
| d_1 over 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 |
| | ± 0.8 mm | Tolerance seal fitted width |



Application and operating conditions

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

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