

190 VL V



V-ring seal, VL design, global standard, interchangeable with VR3 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 VL design includes a very compact axial cross section. VL seals are commonly used in confined spaces to enhance the efficiency of labyrinth seals.

- 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 | 185 mm |
| Shaft diameter, maximum | 195 mm |
| Seal width | 10.5 mm |

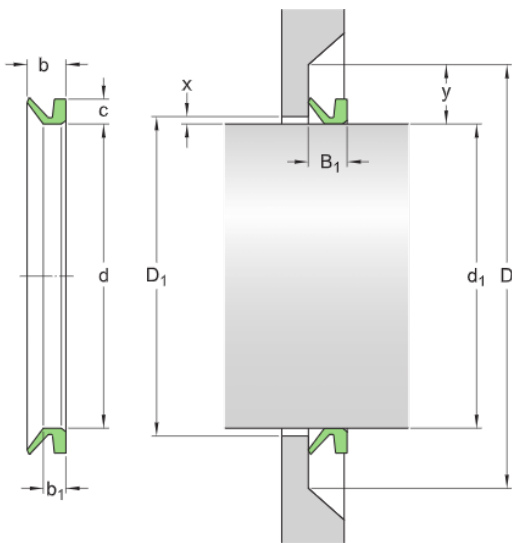
Properties

| | |
|----------------------|---------------------|
| Design | VL |
| Sealing lip material | Fluoro rubber (FKM) |

Technical Specification

| | |
|--------------|---------------------|
| Design | VL |
| Lip material | Fluoro rubber (FKM) |

Dimensions



Shaft diameter range

| | |
|--------------------|------------------------------|
| d_1 over 185 mm | Shaft diameter range (over) |
| d_1 incl. 195 mm | Shaft diameter range (incl.) |

Seal and abutment

| | | |
|------------------------|--------------|----------------------------------|
| d | 171 mm | Seal inside diameter, free state |
| b | 10.5 mm | Nominal seal width |
| b_1 | 6 mm | Seal seat width |
| c | 6.5 mm | Nominal seal height |
| $2 \times$ | 5 mm | Radial gap (twice) |
| D_{11} | | |
| $2 y$ | 20 mm | Radial distance (twice) |
| $D \text{ min.} = d_1$ | | |
| B_1 | 8 mm | Seal fitted width |
| | ± 1.5 mm | Tolerance seal fitted width |

Application and operating conditions

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

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