



## SKF 85 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.

### Technical specifications

| General      |                      |
|--------------|----------------------|
| Design       | VA                   |
| Lip material | Nitrile rubber (NBR) |

| Dimensions                       |                                                         |
|----------------------------------|---------------------------------------------------------|
| Shaft diameter range (over)      | 83 mm                                                   |
| Shaft diameter range (incl.)     | 88 mm                                                   |
| Seal inside diameter, free state | 76 mm                                                   |
| Nominal seal width               | 11 mm                                                   |
| Seal seat width                  | 6.8 mm                                                  |
| Nominal seal height              | 6 mm                                                    |
| Radial gap (twice)               | 3 mm                                                    |
|                                  | $D_{<sub>1</sub> \text{ max.}} = d_{<sub>1</sub>} + 2x$ |
| Radial distance (twice)          | 18 mm                                                   |
|                                  | $D_{\text{min.}} = d_{<sub>1</sub>} + 2y$               |
| Seal fitted width                | 9 mm                                                    |
| Shaft diameter, minimum          | 83 mm                                                   |
| Shaft diameter, maximum          | 88 mm                                                   |
| Seal width                       | 11 mm                                                   |

| Application and operating conditions |        |
|--------------------------------------|--------|
| Operating temperature                | -40 °C |
| Operating temperature                | 100 °C |

| Properties           |                      |
|----------------------|----------------------|
| Design               | VA                   |
| Sealing lip material | Nitrile rubber (NBR) |

| Logistics          |             |
|--------------------|-------------|
| Product net weight | 0.0118 kg   |
| eClass code        | 23-07-08-01 |
| UNSPSC code        | 31181602    |

**SKF drawings**