



## SKF 45 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)      | 43 mm                                  |
| Shaft diameter range (incl.)     | 48 mm                                  |
| Seal inside diameter, free state | 40 mm                                  |
| Nominal seal width               | 9 mm                                   |
| Seal seat width                  | 5.5 mm                                 |
| Nominal seal height              | 5 mm                                   |
| Radial gap (twice)               | 2 mm                                   |
|                                  | $D_{\text{max}} = d_{\text{max}} + 2x$ |
| Radial distance (twice)          | 15 mm                                  |
|                                  | $D_{\text{min}} = d_{\text{min}} + 2y$ |
| Seal fitted width                | 7 mm                                   |
| Shaft diameter, minimum          | 43 mm                                  |
| Shaft diameter, maximum          | 48 mm                                  |
| Seal width                       | 9 mm                                   |
| Properties                       |                                        |
| Design                           | VA                                     |
| Sealing lip material             | Nitrile rubber (NBR)                   |
| Logistics                        |                                        |
| Product net weight               | 0.005 kg                               |
| eClass code                      | 23-07-08-01                            |
| UNSPSC code                      | 31181602                               |

# SKF drawings

