



## SKF 28 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)          | 27 mm                                                   |
| Shaft diameter range (incl.)         | 29 mm                                                   |
| Seal inside diameter, free state     | 25 mm                                                   |
| Nominal seal width                   | 7.5 mm                                                  |
| Seal seat width                      | 4.7 mm                                                  |
| Nominal seal height                  | 4 mm                                                    |
| Radial gap (twice)                   | 2 mm                                                    |
|                                      | $D_{<sub>1</sub> \text{ max.}} = d_{<sub>1</sub>} + 2x$ |
| Radial distance (twice)              | 12 mm                                                   |
|                                      | $D_{\text{min.}} = d_{<sub>1</sub>} + 2y$               |
| Seal fitted width                    | 6 mm                                                    |
| Shaft diameter, minimum              | 27 mm                                                   |
| Shaft diameter, maximum              | 29 mm                                                   |
| Seal width                           | 7.5 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                   | 0.006 kg                                                |
| eClass code                          | 23-07-08-01                                             |
| UNSPSC code                          | 31181602                                                |

# SKF drawings

