



## SKF 40 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.

### Technical specifications

| General                              |                                                         |
|--------------------------------------|---------------------------------------------------------|
| Design                               | VS                                                      |
| Lip material                         | Nitrile rubber (NBR)                                    |
| Dimensions                           |                                                         |
| Shaft diameter range (over)          | 38 mm                                                   |
| Shaft diameter range (incl.)         | 43 mm                                                   |
| Seal inside diameter, free state     | 36 mm                                                   |
| Nominal seal width                   | 13 mm                                                   |
| Seal seat width                      | 9.5 mm                                                  |
| Nominal seal height                  | 5 mm                                                    |
| Radial gap (twice)                   | 2 mm                                                    |
|                                      | $D_{<sub>1</sub> \text{ max.}} = d_{<sub>1</sub>} + 2x$ |
| Radial distance (twice)              | 15 mm                                                   |
|                                      | $D_{\text{min.}} = d_{<sub>1</sub>} + 2y$               |
| Seal fitted width                    | 11 mm                                                   |
| Shaft diameter, minimum              | 38 mm                                                   |
| Shaft diameter, maximum              | 43 mm                                                   |
| Seal width                           | 13 mm                                                   |
| Application and operating conditions |                                                         |
| Operating temperature                | -40 °C                                                  |
| Operating temperature                | 100 °C                                                  |
| Properties                           |                                                         |
| Design                               | VS                                                      |
| Sealing lip material                 | Nitrile rubber (NBR)                                    |
| Logistics                            |                                                         |
| Product net weight                   | 0.0058 kg                                               |
| eClass code                          | 23-07-08-01                                             |
| UNSPSC code                          | 31181602                                                |

**SKF drawings**