



SKF 90 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)	88 mm
Shaft diameter range (incl.)	93 mm
Seal inside diameter, free state	81 mm
Nominal seal width	15.5 mm
Seal seat width	11.3 mm
Nominal seal height	6 mm
Radial gap (twice)	3 mm
	$D_{₁ \text{ max.}} = d_{₁} + 2x$
Radial distance (twice)	18 mm
	$D_{\text{ min.}} = d_{₁} + 2y$
Seal fitted width	13.5 mm
Shaft diameter, minimum	88 mm
Shaft diameter, maximum	93 mm
Seal width	15.5 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	0.0173 kg
eClass code	23-07-08-01
UNSPSC code	31181602

SKF drawings