



SKF 45 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)	43 mm
Shaft diameter range (incl.)	48 mm
Seal inside diameter, free state	40 mm
Nominal seal width	13 mm
Seal seat width	9.5 mm
Nominal seal height	5 mm
Radial gap (twice)	2 mm
	$D_{₁} \text{ max.} = d_{₁} + 2x$
Radial distance (twice)	15 mm
	$D \text{ min.} = d_{₁} + 2y$
Seal fitted width	11 mm
Shaft diameter, minimum	43 mm
Shaft diameter, maximum	48 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	0.00617 kg
eClass code	23-07-08-01
UNSPSC code	31181602

SKF drawings