



SKF 180 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)	175 mm
Shaft diameter range (incl.)	185 mm
Seal inside diameter, free state	162 mm
Nominal seal width	14.5 mm
Seal seat width	9 mm
Nominal seal height	8 mm
Radial gap (twice)	4 mm
	$D_{₁} \text{ max.} = d_{₁} + 2x$
Radial distance (twice)	24 mm
	$D \text{ min.} = d_{₁} + 2y$
Seal fitted width	12 mm
Shaft diameter, minimum	175 mm
Shaft diameter, maximum	185 mm
Seal width	14.5 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	0.0532 kg
eClass code	23-07-08-01
UNSPSC code	31181602

SKF drawings