



SKF 140 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)	135 mm
Shaft diameter range (incl.)	145 mm
Seal inside diameter, free state	126 mm
Nominal seal width	12.8 mm
Seal seat width	7.9 mm
Nominal seal height	7 mm
Radial gap (twice)	4 mm
	$D_{₁ \text{ max.}} = d_{₁} + 2 x$
Radial distance (twice)	21 mm
	$D_{\text{ min.}} = d_{₁} + 2 y$
Seal fitted width	10.5 mm
Shaft diameter, minimum	135 mm
Shaft diameter, maximum	145 mm
Seal width	12.8 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	0.026 kg
eClass code	23-07-08-01
UNSPSC code	31181602

SKF drawings