



SKF 8X12X3 HM4 R

Radial shaft seal with metal case and single sealing lip, for grease

Radial shaft seals are used between rotating and stationary machine components, or between components in relative motion. HM4 seals are designed with a single metal case. They have a conventional single sealing lip made of elastomer. Typical applications include grease lubricated agriculture machinery.

Technical specifications

General	
Type of outside diameter	Metal-cased
Lip material	Nitrile rubber (NBR)
Seal design	HM4
Dimensions	
Shaft diameter	8 mm
Housing bore diameter	12 mm
Seal width	3 mm
Application and operating conditions	
Operating temperature	-40 °C
Operating temperature	100 °C
Circumferential speed	0.41 m/s
Rotational speed	960 r/min
Pressure differential	0.07 N/mm ²
Performance	
Limiting speed	960 r/min
Maximum operating temperature	100 °C
Minimum operating temperature	-40 °C
Permissible circumferential speed	0.41 m/s
Rotational speed	960 r/min
Properties	
Design	HM4
Auxiliary lip	No
Sealing lip material	Nitrile rubber (NBR)
Type of outside diameter	Metal-cased
Unit system	Metric
Logistics	
Product net weight	0.0004 kg
eClass code	23-07-08-01
UNSPSC code	31181602

SKF drawings

