



SKF 100X120X12 HMS5 RG

Radial shaft seal with rubber outside diameter and single sealing lip, for oil or grease

Radial shaft seals are used between rotating and stationary machine components, or between components in relative motion. HMS5 seals are designed with a rubber outside diameter. They have a conventional sealing lip made of elastomer with a garter spring to maintain the right radial load.

Technical specifications

General	
Type of outside diameter	Rubber metal reinforced
Lip material	Nitrile rubber (NBR)
Seal design	HMS5
Compliance with standard	ISO 6194; DIN 3760

Dimensions	
Shaft diameter	100 mm
Housing bore diameter	120 mm
Seal width	12 mm

Application and operating conditions	
Operating temperature	-40 °C
Operating temperature	100 °C
Operating temperature, short periods	120 °C
Circumferential speed	10.7 m/s
Rotational speed	2040 r/min
Pressure differential	0.05 N/mm ²

Associated products	
SKF Speedi-Sleeve	99393

Performance	
Limiting speed	2040 r/min
Maximum operating temperature	100 °C
Minimum operating temperature	-40 °C
Permissible circumferential speed	10.7 m/s
Rotational speed	2040 r/min

Properties	
Design	HMS5
Auxiliary lip	No
Sealing lip material	Nitrile rubber (NBR)
Type of outside diameter	Rubber metal reinforced
Unit system	Metric

Logistics	
Product net weight	0.0718 kg
eClass code	23-07-08-01
UNSPSC code	31181602

SKF drawings

