



SKF MD 65X50X18.4-L

Compact piston seal with guide rings, anti-extrusion rings and seal integrated into the piston groove.

MD-L seals are compact, double-acting piston seals. They have a nitrile rubber sealing ring with a polyester elastomer anti-extrusion rings and polyacetal guide rings on both sides. The anti-extrusion rings provide improved high pressure performance by reducing the likelihood of gap extrusion. The integral guide rings do not require additional external piston guide rings. The anti-extrusion and guide rings are split for easy installation.

Technical specifications

Dimensions	
Cylinder bore diameter	65 mm
Piston outside diameter	63.7 mm
Additional groove diameter	60.4 mm
Piston groove diameter	50 mm
Piston groove width	18.4 mm
Additional groove width	6.4 mm
Radial depth	7.5 mm
Groove radius	0.4 mm
Lead-in chamfer length	4 mm
Upper limit deviation	0.074 mm
Lower limit deviation	0 mm
Tolerance class for cylinder bore diameter	H9
Tolerance class for piston outside diameter	h11
Tolerance class for additional groove diameter	h9
Upper limit deviation	0 mm
Lower limit deviation	-0.062 mm
Tolerance class for piston groove diameter	h9
Upper limit deviation	0.35 mm
Lower limit deviation	0.1 mm
Upper limit deviation	0.1 mm
Lower limit deviation	0 mm
Pressure and speed	
Pressure	250 bar
Speed	1 m/s
Operating temperature	
Extreme upper temperature limit	120 °C
Reduced performance upper temperature limit	110 °C
Upper operating temperature limit	100 °C
Lower operating temperature limit	-20 °C
Reduced performance lower temperature limit	-25 °C
Extreme lower temperature limit	-40 °C
	Maximum values of application parameters (e.g. pressure, speed, temperature, e-gap) should not be applied continuously nor simultaneously.
Materials	
Primary sealing element	Nitrile Rubber (N80/047)
Additional element	Acetal (POM POM/076)
Additional element	Polyester (TPC-ET72/075)
Performance	
Pressure limit, maximum	25 N/mm ²
Properties	
Design	MD-L

Primary sealing element	Nitrile Rubber (N80/047)
Compound 2	Acetal (POM POM/076)
Compound 3	Polyester (TPC-ET72/075)
Unit system	Metric

Logistics	
Product net weight	0.037 kg
eClass code	23-07-01-90
UNSPSC code	31181602

SKF drawings

