Catalog

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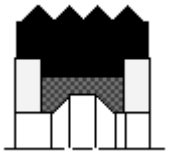
M 19

MERKEL ROTOMATIC Rotary Shaft Seal



The M19 sealing ring consists of the elastomer rubber part with fabric reinforcement on the sliding surface and plastic anti-extrusion rings. The medium collects in the lubricating groove on the sliding surface and acts as a lubricant. This improves lubrication as well as reducing friction and frictional heat. This sealing element can withstand high pressures due to the anti-extrusion rings bridging the extrusion gap, and the seals can be fitted into recessed groove housings.

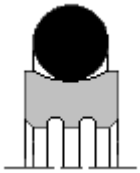
Pressure (PSI): 5800

Max. Temp (F°): 176

Speed (ft/s): 0.64

M 15

MERKEL M15 Rotary Shaft Seal



The M 15 is a double-acting seal set for pivoting motion in hydraulic systems. It has a profile ring and an O-ring as energizing elements, with inside sealing.

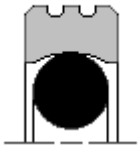
Pressure (PSI): 5800

Max. Temp (F°): 212

Speed (ft/s): 1.6

M 16

MERKEL M16 Rotary Shaft Seal



The M15 is a double-acting seal set for pivoting motion in hydraulic systems. It has a profile ring and an o-ring as energizing elements, with outside sealing.

Pressure (PSI): 5800

Max. Temp (F°): 212

Speed (ft/s): 1.6

R 58

MERKEL RADIAMATIC R58 Shaft Seal

The R 58 Radiamatic shaft seal is designed for rolling mills and large gear mechanisms in heavy-duty machine construction. They consist of a fabric reinforced section of sturdy design, firmly bonded to the rubber sealing lip. A helical tension spring assists radial contact pressure of the lip on the shaft. The R 58 has been developed to meet the special requirement of grease-lubricated bearing in rolling mill applications. The shaft seals are installed with the sealing lip towards the outside (against water and sinter). The sealing lip, designed to have a higher contact pressure, ensures that only the required seal lubrication film is allowed to pass.

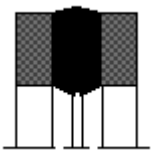
Pressure (PSI): 7.25

Max. Temp (F°): 212

Speed (ft/s): 80

M 17

MERKEL M17 Rotary Shaft Seal



The M17 sealing ring consists of a rubber part held firmly on both sides by fabric blocks, providing lubrication on the sliding surface. The fabric blocks prevent the seal from extruding into the sealing gap and, with the sealing element firmly held at the outside diameter, they prevent circumference distortion.

Pressure (PSI): 2900

Max. Temp (F°): 176

Speed (ft/s): 0.32

MERKEL RADIAMATIC R35 Shaft Seal

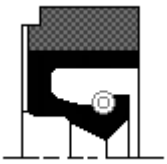
R 35

The Radiamatic 1635 shaft sealing rings are installed back-to-back. A lantern ring is included so that lubricant can be forced between the sealing rings. They are used whenever adequate lubrication is ensured by the medium to be sealed.

Pressure (PSI): 7.25
Max. Temp (F°): 212
Speed (ft/s): 80

R 36

MERKEL RADIAMATIC R36 Shaft Seal



The Style 1636 shaft sealing rings are used when additional lubrication is necessary from the outside. These sealing rings are usually fitted in pairs back-to-back. This combination effectively seals the bearing lubricant and prevents the penetration of dust and splash water. The lubrication is fed between the sealing rings by means of the groove in the circumference of the sealing housing and the radial groove in the seal body.

Pressure (PSI): 7.25
Max. Temp (F°): 212
Speed (ft/s): 80

R 37

MERKEL RADIAMATIC R37 Shaft Seal

The Style 1637 shaft sealing rings are used when additional lubrication is necessary from the outside. These sealing rings are usually fitted in pairs back-to-back, and this combination effectively seals the bearing lubricant and prevents the penetration of dust and splash water. The sealing rings have a peripheral groove on the outer periphery in addition to the radial grooves.

Pressure (PSI): 7.25
Max. Temp (F°): 212
Speed (ft/s): 80

Images Description

Image		Image	Description
	Bull Dozer		Manipulators
	Fork Lift		Buffer Seal
	Tractor		Valves
	Stabiliser		Shears
	Hydraulic Presses		Hydraulic Jacks
	Mobile Arms		Forging
	General Cylinder		Heavy Duty Construction
	Injection Molding		Heavy Duty Applications
	Mobile Lifts		Rolling Mills
	Steel Mill		Rotary Seal
	Compression Molding		Cranes
	Marine Applications		CNC Machines