

PU82

MERKEL PROFILED RING

This is a symmetric compact sealing ring made from TPU and is particularly used for static sealing of cylinder heads with end position damping. Cover seals PU 82 is distorted through forming and essentially less by the operating pressure and bridge issues through high tensile strength of the material gaps which develop from the elastic stretching of cylinder barrels. PU 82 has proved itself mostly in engineering machinery cylinders with pressure peaks of up to 600 bar in end position damping.

Pressure (PSI): 8700

Max. Temp (F°): 230



PU83

MERKEL PROFILED RING

These symmetric compact sealing rings are made from TPU and are particularly used for static sealing of cylinder heads with end position damping. The cover seal PU 83 is distorted through forming and essentially less by the operating pressure, and bridges issues through high tensile strength of the material gaps which develop from the elastic stretching of cylinder barrels. PU 83 has proved itself mostly in engineering machinery cylinders with pressure peaks of up to 600 bar in end position damping.

Pressure (PSI): 8700

Max. Temp (F°): 230



AUDIP

SIMRIT Pneumatic Damper Seal

Damper seal ring with spacer cams and flow channels. Integrated non-return valve function through axial seal, spacer cams and flow channels. Constant, reliable damping via automatic centering.

Pressure (PSI): 365

Max. Temp (F°): 194

Speed (ft/s): 3



AUNIPSL

SIMRIT Pneumatic Combination Rod Seal

Combination Seal-wiper with special pneumatic sealing edges. The AUNIPSL has minimal space requirements; U-Cup and wiper are combined into one element. The component needs no additional element (circlip) for axial fixing within the housing.

Pressure (PSI): 175

Max. Temp (F°): 194

Speed (ft/s): 3



DIP

SIMRIT Pneumatic Damper Seal

Damper seal ring with spacer cams and flow channels. Integrated non-return valve function through axial seal, spacer cams and flow channels. Constant, reliable damping via automatic centering.

Pressure (PSI): 235

Max. Temp (F°): 212

Speed (ft/s): 3



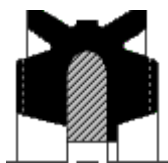
NADUOP

SIMRIT Complete Pneumatic Piston Seal

Compact piston with steel body bonded to buffers and sealing lips with special pneumatic sealing edges. Ready to install, double acting, complete piston with integral

Pressure (PSI): 150

Max. Temp (F°): 212



guide. Bonded buffers for end-position damping of piston in the cylinder. Radial air relief passages ensure pressure distribution at the end of stroke.

Speed (ft/s): 3



NAP 210

SIMRIT Pneumatic U-Cup Piston Seal

The NAP 210 is a compact u-cup with asymmetrical profile and special pneumatic sealing edge on the dynamic sealing lip. The asymmetric profile with the longer and thicker static sealing lip guarantees a secure seat in the groove base. The special pneumatic sealing edge provides a very good seal with low friction and maintains an effective lubrication film.

Pressure (PSI): 175

Max. Temp (F°): 212

Speed (ft/s): 3



NIPSL

SIMRIT Pneumatic Combination Rod Seal

Combination wiper seal with metal reinforcement and special pneumatic sealing edges. The u-cup and wiper are combined into one element, space requirements are minimal. The element can be exchanged from the outside without dismantling the apparatus.

Pressure (PSI): 175

Max. Temp (F°): 212

Speed (ft/s): 3



NIPSL 200

SIMRIT Pneumatic Combination Rod Seal

Combination wiper seal with special pneumatic sealing edges for mini cylinders. The NIPSL 200 is a combination seal with minimal space requirements; u-cup and wiper are combined into one element. The special pneumatic sealing edge provides a very good seal with low friction and maintains an effective lubrication film.

Pressure (PSI): 150

Max. Temp (F°): 212

Speed (ft/s): 3



NIPSL 210

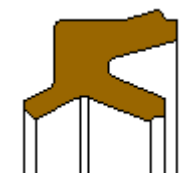
SIMRIT Pneumatic Combination Rod Seal

Combination wiper seal with special pneumatic sealing edges for small cylinders and compact cylinders. The NIPSL 210 combination seal has minimal space requirements; u-cup and wiper are combined into one element. The special pneumatic sealing edge provides a very good seal with low friction and maintains an effective lubrication film.

Pressure (PSI): 150

Max. Temp (F°): 302

Speed (ft/s): 3



NIPSL 300

SIMRIT Pneumatic Combination Rod Seal

Combination wiper with special pneumatic sealing edges for mini cylinders. The NIPSL 300 is a combination seal with minimal space requirements; u-cup and wiper are combined into one element. The special pneumatic sealing edge provides a very good seal with low friction and maintains an effective lubrication film.

Pressure (PSI): 150

Max. Temp (F°): 194

Speed (ft/s): 3

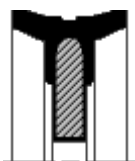


NIPSL 310 SIMRIT Pneumatic Combination Rod Seal

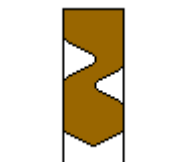
Combination wiper seal with special pneumatic sealing edges for small cylinders and compact cylinders. The NIPSL 310 is a combination seal with minimal space requirements; u-cup and wiper are combined into one element. The special pneumatic sealing edge provides a very good seal with low friction and maintains an effective lubrication film.

**Pressure (PSI):** 150**Max. Temp (F°):** 302**Speed (ft/s):** 3**NIPSL 320 SIMRIT Pneumatic Combination Rod Seal**

Combination wiper seal with special pneumatic sealing edges for mini cylinders and compact cylinders. Combination seal with minimal space requirements; u-cup and wiper are combined into one element. The special pneumatic sealing edge provides a very good seal with low friction and maintains an effective lubrication film.

**Pressure (PSI):** 475**Max. Temp (F°):** 194**Speed (ft/s):** 3**TDUO P SIMRIT Complete Pneumatic Piston Seal**

















Complete compact piston with steel body and bonded to sealing lips with special pneumatic sealing edges. Ready to install, double acting, pressurized complete piston with integral guide. Easily assembled on the piston rod without additional sealing elements. The design with radial air relief passages on the front face facilitates reliable pressure distribution at the end of the stroke.

**Pressure (PSI):** 175**Max. Temp (F°):** 212**Speed (ft/s):** 3**AIRZET PR MERKEL Pneumatic Rod Seal**

The AIRZET PR is a double-sided, pressure-resistant compact seal with grooves to the front face for pressure activation. The compact configuration allows short cylinder cover design constructions (e.g. short-stroke cylinders; and also in the valves sector). The rounded sealing profile and the flexible middle part give a good seal with low friction and maintain an effective lubricating film.

**Pressure (PSI):** 175**Max. Temp (F°):** 212**Speed (ft/s):** 1.2

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