

## DISOGRIN RO Rod Seal

sizes

## Features

The Disogrin RO Rod Seal offers superb sealing performance as either a primary or secondary sealing element. The asymmetrical design positions the seal securely in the housing to prevent twisting, and it utilizes a preloaded lip design to ensure effective sealing at low pressures.

- no adhesion effect on sliding surface, even after a long standstill
- resistant to pressure spikes and diesel effect, providing a longer service life
- extremely resistant to wear, tear and extrusion

## Applications



- bulldozers
- forklifts
- agricultural equipment
- stabilizers
- mobile arm trucks
- presses
- standard hydraulic cylinders

## Materials

Sealing Element	
Material:	Polyurethane <a href="#">9250</a>
Hardness:	92 Shore A

## Operating Limits

The operating limits of this seal are highly dependant on the application. Combinations of pressure, temperature, fluid medium and other factors, all greatly effect the performance and longevity of the seal.

Temperature (Typ.)	<b>-54°C/149°C / -65°F to 300°F</b>
Pressure	<b>6000 Psi / 40 MPa</b>
Speed	<b>1.5 ft/s / 0.5 m/s</b>

## Design Reference

## Surface Finish

For more information on surface finish and conditions, [click here](#).

Roughness Depth	R <sub>max</sub>	R <sub>a</sub>
Sliding surface	≤ 100 μ	≤ 12 μ
Bottom of groove	≤ 252 μ	≤ 64 μ
Sides of groove	≤ 600 μ	≤ 120 μ

## Installation

For complete Installation Instructions, [click here](#).

## Tolerances

Dimension	Range	Tolerance
d	<3"	+0.000 -0.003
	≥3" and < 7"	+0.000 -0.004
	≥7" and < 10"	+0.000 -0.005
	≥10" and < 15"	+0.000 -0.006
D	<1.5"	+0.005 -0.000
	≥1.5" and < 2"	+0.007 -0.000
	≥2" and < 3.25"	+0.008 -0.000

	≥3.25" and < 5"	+0.009 -0.000
	≥5" and < 7"	+0.010 -0.000
	≥7" and < 9"	+0.011 -0.000
	≥9" and < 15"	+0.012 -0.000
L	≤1"	+0.015 -0.000