



TECHNICAL INFORMATION

Static Seals | Dualseal

Description

In current hydraulic cylinder design, O-Ring or O-Ring/Backup Ring combinations are mainly used as static seals. However, this sealing solution hides the risk that during assembly the O-Ring may become twisted and that the position of the Back-up Ring is not optimal. This solution also exhibits weaknesses with regard to pressure pulsation and the ingress of dirt.

The Dualseal as a single component static hydraulic seal offers a good alternative in such cases.

The Dualseal allows general use in hydraulic cylinders:

Fork lifts, Mobile hydraulics, Industrial hydraulics, Machine tools, Injection molding machines, Hydraulic presses, Cartridge valves.

Advantages

- High resistance to twisting
- Easy assembly
- Long service life
- High extrusion resistance

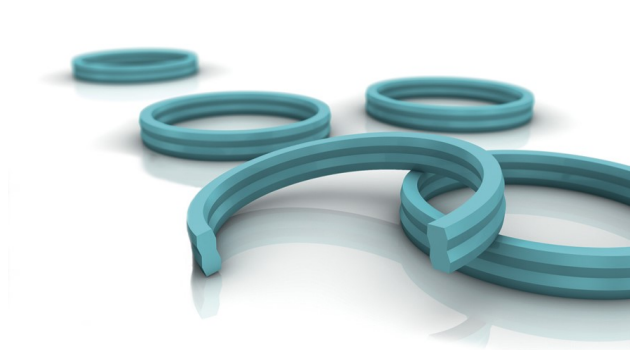


Technical Data

Operating pressure : Max. 50 MPa
Temperature : -35 °C to +110 °C

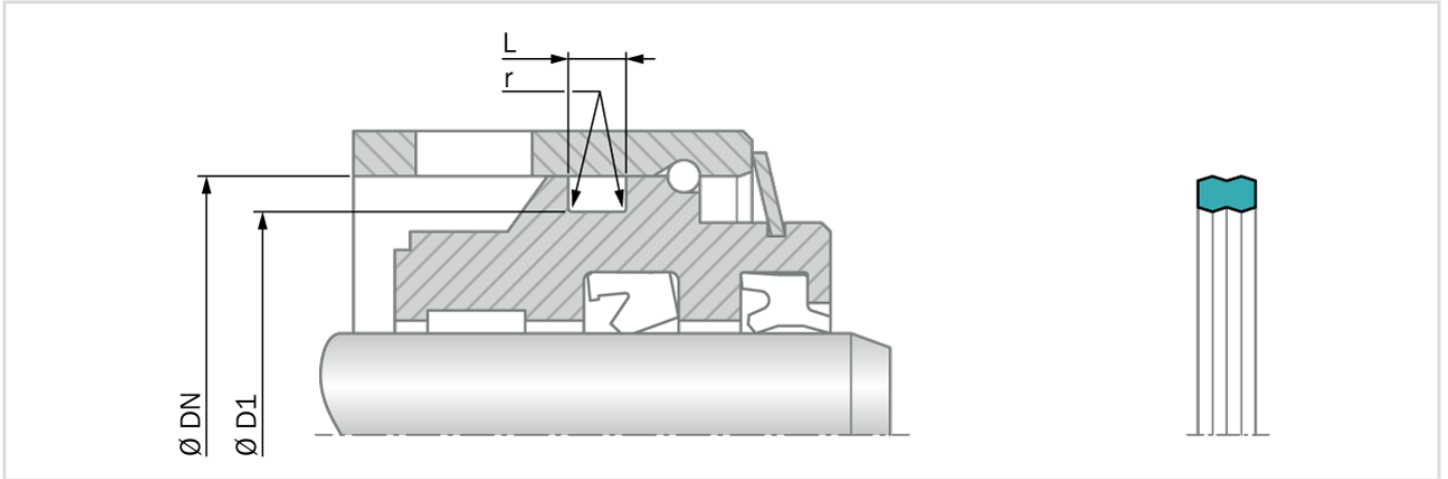
Dualseal performs leak-free and is highly extrusion resistant under the following test conditions:

	High pressure test	Pressure pulsation test
Pressure	: 40 / 52 MPa	30 MPa
Temperature	: 100 / 80 °C	60 °C (max. tank temperature)
Test duration	: 72 h	500.000 Pressure pulsations



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Important Note

Installation suggestions, material recommendations, parameters and further data provided are always subject to the particular field of use and the application in which the seal is intended to be used, in particular the interaction of the seal with other components of the application. Therefore they neither constitute an agreement on the legal and factual nature nor a guarantee of quality. Technical changes and errors remain reserved.