



**Essential
components
for industry**

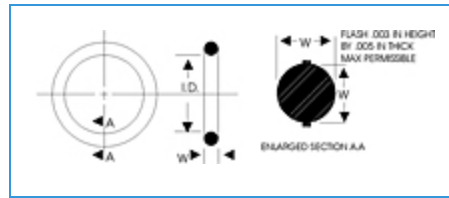
Daemar Inc.
861 Cranberry Court
Oakville, Ontario, L6J 6J7

Toll Free: (800) 387-7115
Phone: (905) 847-6500
Fax: (905) 847-6943
E-Mail: sales@daemarinc.com
Web site: www.daemar.com

Daemar P/N 041, Inch Size Buna O-Rings (AS 568)


This compound has excellent resistance to a wide variety of fluids, good tensile strength, high elongation, low compression set, and excellent resistance to abrasion and tear. This O-Ring is the most widely used seal due to its simplicity.

- Temperature Range: -65 ° F to 250 ° F
- Usual Colour: Black
- Hardness Durometer: 70 Duro
- Trade Name: Chemigum®, NySyn, Hycar®, Paracril®, Kyrnac®



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Specifications

Nominal Size I.D.	3 in	
Nominal Size I.D.	3.000 in	
Nominal Size O.D.	3 1/8 in	
Nominal Size O.D.	3.125 in	
Nominal Thickness W	1/16 in	
Actual Size I.D.	2.989 in 75.92 mm	
Actual Size I.D. - Tolerance	± .024 in ± 0.61 mm	

Actual Thickness W	0.070 in 1.78 mm
Actual Thickness W - Tolerance	± 0.003 in ± 0.08 mm
Material	Buna NBR Nitrile

Technical Information

Causes of O-Ring Failure

- Extrusion and Nibbling
- Compression Set
- Spiral Failure
- Explosive Compression
- Abrasion
- Installation Damage
- Weather & Ozone Degradation
- Heat Aging & Oxidation
- Loss of Plasticizer

Refer to the section Identifying O-Ring Failure for detailed descriptions.

DMR™ O-Ring Kits and Custom Packaging

A wide variety of O-Rings are standard in our kits, giving you the flexibility and the versatility to find the right fit for your application.

Daemar® can also provide you with custom kits to suit your needs. Call your Daemar® sales representative to find out more.

Refer to the section O-Ring Kits for detailed descriptions of kit contents.

Grade of Viton®

DMR™ uses Viton® grade A in the production of our Viton® O-Rings.

Principal applications include general purpose sealing of Automotive, Aerospace fuels & lubricants

Extending O-Ring Shelf Life

For materials such as Buna 'N', which are subject to deterioration, the following conditions are suggested for maximum life:

1. Ambient temperature not exceeding 120 °F (49 °C)
2. Exclusion of air (oxygen)
3. Exclusion of contamination
4. Exclusion of light (particularly sunlight)
5. Exclusion of ozone generating electrical devices
6. Exclusion of radiation

Refer to the section Storage & Shelf Life for a more detailed description.

Preinstallation

Lightly coat the O-Ring with lubricant before installation.

Be sure to confirm compatibility of lubricant and O-Ring compound.

Refer to the table General Purpose Lubricants for Common O-Ring Elastomers

Durometer Selection

70-durometer hardness should be used wherever possible as it offers the best combination of properties for most ORing applications. Softer compounds stretch easier and seal better on rough surfaces. Harder compounds offer greater abrasion resistance and resistance to extrusion.

Lubricants

Lubricants should be selected on the following basis:

- 1) the type of material of which the O-Ring is constructed.
- 2) the type of service to which the O-Ring will be subjected.

Do not use a lubricant composed of the same base material as the O-Ring being lubricated.

Parts Availability -

Parts Availability

051 Thru 101 O ring sizes not assigned
179 Thru 200 O ring sizes not assigned
285 Thru 308 O ring sizes not assigned
396 Thru 424 Call Daemar for Spec Information & Pricing