

Dichtomatik Nitrile U-Cups are designed to fit in most U-Cup seal glands. They are manufactured in 70, 80, and 90 durometer Nitrile depending on the profile. The profiles are rated for dynamic applications with a rod speed of 1.5 ft/s (0.5 m/s). The pressure ratings can be increased with the use of a Back-Up Ring.



DICHTOMATIK
AMERICAS



Dichtomatik Nitrile U-Cups

ADVANTAGES

- Low Friction Performance in Rod or Piston Applications Assures Easy Movement without Excessive Drag
- Ideal for Pneumatic and Low-Pressure Hydraulic Cylinders
- Easy Assembly: Stretches or Snaps into Place Resulting in Lower Assembly Costs



Design	Style	Seal Surface	Pressure		Material	Dimensions	
			PSI	Bar		Metric	Inch
	8400	Piston or Rod Seal	1250	85	NBR 80		■
	8500	Piston or Rod Seal	1250	85	NBR 80		■
	AN6226	Piston or Rod Seal	500	35	NBR 70		■
	MA21	Piston or Rod Seal	2300	160	NBR 90	■	■
	MA22	Piston or Rod Seal	1500	100	NBR 90	■	■
	MA23	Piston Seal	1200	80	NBR 90	■	■
	MA24	Rod Seal	2300	160	NBR 90	■	■

**Call customer service for pricing and availability*



Materials

Abbreviation	Full Material Name	Advantages
NBR (Standard Material)	Acrylonitrile-Butadiene Rubber (Nitrile)	Nitrile is suitable for temperatures between -40°F and 212°F (-40°C to 100°C)
FKM*	Fluoroelastomer (FKM)	FKM is one of the most highly temperature resistant of all commercially available elastomers with an increased temperature range of 5°F to 390°F (-15°C to 200°C). FKM is also great for oil resistance and chemical resistance.
HNBR*	Hydrogenated Nitrile (HNBR)	HNBR has high tensile properties, low compression set, good low temperature properties, heat resistance, excellent ozone resistance, good resistance to aggressive oils, resistance to crude oil in the presence of hydrogen sulfide and amines, and resistance to alkaline and oxidizing media. HNBR is primarily used in oil field applications. HNBR has a temperature range of -40°F to 300°F (-40°C to 149°C).
XNBR*	Carboxylated Nitrile (XNBR)	XNBR is harder and tougher than standard nitriles. It also has higher abrasion resistance, modulus, and tensile strength than standard nitriles. XNBR is suitable for temperatures ranging between -40°F and 212°F (-40°C to 100°C).

*Available upon request

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Dichtomatik Americas Products

Fluid Power Seals

- NuPac Seals - O-Ring energized U-Cups
- Tee Seals
- Polyurethane U-Cups
 - MA25: Symmetrical U-Cup
 - MA39: Double Lip Rod Seal
 - MA28: Asymmetrical Piston Seal
- NBR U-Cups
 - AN6226 series
 - 8400/8500 series
- PTFE Seals
- Wear Rings
- Rod Wipers — AN, D, H, Metal Clad
- Back-Up Rings

Spliced Rings and Extruded Cord

- Spliced O-Rings, precision vulcanized
- Extruded Cord in various compounds and cross-sections
- Splicing Kits

Radial Shaft Seals

- Oil Seals
- Grease Seals
- Medium Duty Oil Bath Seals
- AP Excluder Seals
- Axial Face Seals
- V-Rings
- Valve Stem Seals
- End Caps
- SHAFT-EZE Shaft Sleeves

Fitting and Fastener Seals

- Thread Seals
- Fastener Seals
- Bonded Seals

Custom Molded Rubber

- Rubber Only
- Rubber-to-Metal Bonded
- Unique shapes and materials to your specifications

O-Rings

- All AS568 sizes in stock, including
 - NBR 70 and 90
 - FKM 75 Black and Brown
 - EP70
 - Silicone 70
- Metric O-Rings
- Select sizes of:
 - PTFE-Encapsulated FKM and Silicone
 - Polyurethane
 - Solid PTFE
- Wide variety of materials available
- O-Ring Kits
- X-Rings
- D-Rings
- Square Rings
- Back-Up Rings

... and many more products — just call us!