

BarClad

Low Torque Sealing Washers



Sealing Technologies

Neoprene

- » Stable, non-aging
- » Temperature Range: -80° to 300°F (-62° to 148°C)
- » Chemically resistant to water, gasoline, petroleum oils, salt sprays, alkalis, acids, organic and aromatic solvents, detergents, ozone, hydrocarbons, oxygenated and chlorinated solvents and alcohols
- » Recommended applications: refrigerants (freon, ammonia), high aniline point petroleum oils, mild acid resistance and silicate ester lubricants

Viton® A

- » High performance elastomer
- » Temperature Range: -10° to 400°F (-23° to 204°C)
- » Chemically resistant to aggressive fuels, oils, chemicals, most mineral acids, and many aliphatic and aromatic hydrocarbons
- » fluids that act as solvents for other rubbers
- » Resistant to compression set, mold, fungus, atmospheric oxidation, UV light, and extreme weather.
- » Good electrical properties in low voltage, low frequency applications
- » Inherently more resistant to burning than other non-fluorinated hydrocarbon rubbers

Performance Advantage

- » Combination seal with sealant encased in stainless steel cup
- » Narrow washer OD ideal for sealing in tight spaces
- » Designed to seal fastener assemblies using standard hex, round, truss, binding, pan, fillister or socket head fasteners
- » Accommodates fasteners that are either flat or angled under head
- » NEMA 250 Type 6P Rated
- » Locks in/out water, moisture, liquids, air, dust, and vapors
- » Can withstand up to 9,500psi internal hydrostatic pressure †
- » Applying torque forces the flat surface of the washer to conform to the underside of the fastener resulting in metal-to-metal contact and a perfect seal
- » Reusable
- » Low torque requirements to achieve optimal seal

Washer Material

- 301/302 Stainless Steel
- **Now Available** 316 Stainless Steel
(add "C" to end of part no. i.e. LTN37120C)

Sealant Options

Neoprene Viton®

Viton® is a registered trademark of DuPont Performance Elastomers

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Hydrostatic testing performed by Interek Testing Services NA, Inc.

*W= wide washer O.D.

What makes BarClad Unique?

The BarClad washer features sealant that extends slightly beyond the metal washer height. When compressed, the metal washer will conform to the underside of the fastener head resulting in 100% metal-to-metal contact and sealant squeezing down into the fastener threads. Combined with its overall narrow diameter, the design allows for the washer to reach optimal sealing capabilities with lower torque requirements than most washers while fitting in tight, countersunk, or hard to reach places.

Standard Washer Chart

Screw Size	Neoprene Part #	Viton® Part #	Sealant ID ± .010	Metal Washer OD ± .010	Metal Washer Overall Height ± .003
#5	LTN37120	LTV37120	.120	.375	.050
#6	LTN37138	LTV37138	.138	.375	.050
#8	LTN37164	LTV37164	.164	.375	.050
#10	LTN37190	LTV37190	.190	.375	.050
#10-W*	LTN43190	LTV43190	.190	.437	.050
#12	LTN43216	LTV43216	.216	.437	.050
1/4"	LTN43250	LTV43250	.250	.437	.050
1/4"-W*	LTN56250	LTV56250	.250 ± .015	.562	.055 ± .005
5/16"	LTN56312	LTV56312	.312	.562	.055 ± .005



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