



BUILDING FASTENERS

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TYPE OF WASHER

Composite of metal/rubber heat bonded and formed into round convex washer.

TYPE OF MATERIAL

1. Galvanized; Stainless; Aluminum
2. Rubber - Blended combination of EPDM

TECHNICAL BULLETIN

EVERSEAL SEALING WASHERS

RECOMMENDED USAGE

Primary use is to seal and prevent leakage on assembled fasteners. Also acts as a cushionary, non-abrasive agent against assembled parts. May also be used to dampen vibration to surrounding fixtures.

PERFORMANCE TESTS

Physical Characteristics

Hardness	70 \pm 5 Durometer
Tensile	1400 PSI
Minimum Recommended Temperature	-20°F
Maximum Recommended Temperature	+225°F

Physical Tests

OZONE ASTM 01149 100 PPM 104°F 20% Elongation	500 hours at 7X Magnification- No visible signs of cracking
WEATHEROMETER ASTM 0750 Atlas Weatherometer Model X1-A with water spray Elongation.	500 hours at 7X Magnification- No visible signs of cracking

MAXIMUM & MINIMUM SEATING TORQUES

Washer Size	Material	Minimum	Maximum
12mm	Galvanized	20 Inch lbs.	45 Inch lbs.
12mm	Stainless	20 Inch lbs.	45 Inch lbs.
12mm	Aluminum	20 Inch lbs.	40 Inch lbs.
15mm	Galvanized	25 Inch lbs.	65 Inch lbs.
15mm	Stainless	25 Inch lbs.	65 Inch lbs.
15mm	Aluminum	25 Inch lbs.	50 Inch lbs.
3/4"	Galvanized	30 Inch lbs.	100 Inch lbs.
3/4"	Stainless	30 Inch lbs.	100 Inch lbs.
3/4	Aluminum	30 Inch lbs.	75 Inch lbs.
1-1/8"	Galvanized	35 Inch lbs.	100 Inch lbs.
1-1/8"	Stainless	35 Inch lbs.	110 Inch lbs.
1-1/8"	Aluminum	35 Inch lbs.	100 Inch lbs.

Test Results

Pull Over Tests

To determine the tension required to pull steel over fastener head.

Thickness of Steel	Hardness of Steel Rockwell B	Drilled Hole Size	Washer Diameter	Average Pull Over in lbs.
20 gauge	56	3/16"	15mm Galv.	1408
22 gauge	52	3/16"	15mm Galv.	1211
24 gauge	50	3/16"	15mm Galv.	896
26 gauge	49	1/8"	15mm Galv.	612

The test results shown are believed to be reliable. However, variances in testing and actual field conditions may alter the results. There is no expressed or implied warranty on the test data.