

NUT, BOLT, GASKET KITS*

Features:

Non-Asbestos Gaskets

- Material: ASTM F104
Line Call Out: F712120A9B4E22K5M5
- Color: Green
- Thickness: 1/16"
- Min. / Max. Temperature: -45°F / 500°F
- Max. Operating Temperature: 350°F Continuous
- Max. Operating Pressure: 1000 PSI
- Maximum PxT (PSIG x °F): 350,000
- Creep Relaxation: 30% (ASTM F38)
- Recovery: 40% (ASTM F36)

Red Rubber Gaskets

- Material: Red Rubber
- Color: Red / Reddish Orange
- Thickness: 1/16"
- Min. Temperature: -20°F
- Hardness: 80 Shore A (ASTM D2240)
- Tensile: 500 PSI (ASTM D412)
- Elongation: 250% (ASTM D412)
- Compression Set: 22 Hrs @ 158°F, 55% (ASTM D395B)
- Heat Aging: 70 Hrs @ 158°F (ASTM D573)
Changed Hardness: 4 Points
Changed Tensile: -14%
Changed Elongation: -76%

Bolts

- Material: Carbon Steel ASTM A307 Grade A
- Coating: Zinc Plated
- Sizing: ANSI B18.2.1
- Tensile: 60,000 PSI Minimum
- Elongation: 18% Minimum
- Rockwell Hardness: 69-100R_b



Nuts

- Material: Carbon Steel SAE J995 Grade 2
- Coating: Zinc Plated
- Sizing: ANSI B18.2.2

Size Ranges

Non-Asbestos Kits

- 150# Ring Gaskets - 1/2" to 20"
- 300# Ring Gaskets - 1/2" to 20"

Red Rubber Kits

- 150# Ring Gaskets - 2" to 12"
- 150# Full Face Gaskets - 2" to 16"

Figure Number Matrix **

| F N W NBG Z Pressure Material Type 6 Size | | | | | | | | | | |
|---|----------|--------------------|------------------------------------|---------------------------|-----------|--|--|--|--|--|
| KIT | FINISH | PRESSURE | MATERIAL | TYPE | THICKNESS | SIZE CODES | | | | |
| NUT/BOLT/ GASKET KIT = NBG | ZINC = Z | 150 = 1 300 = 3 | NON-ASBESTOS = N RED RUBBER = R | RING = R FULL FACE = F | 1/16" = 6 | 1/2 = D 3/4 = F 1 = G 1-1/4 = H 1-1/2 = J 2 = K | 2-1/2 = L 3 = M 4 = P 5 = S 6 = U 8 = X | 10 = 10 12 = 12 14 = 14 16 = 16 18 = 18 20 = 20 | | |

Note: Physical properties are nominal values obtained from laboratory test samples. Actual production values may vary. Please ensure the product meets your application specification prior to order placement.

* Each kit contains components for one flange.

** Note: Not all combinations in the matrix are available. Consult your supplier on specific material, rating, and size combinations.

LUGGED BUTTERFLY VALVE BOLT PACKS*

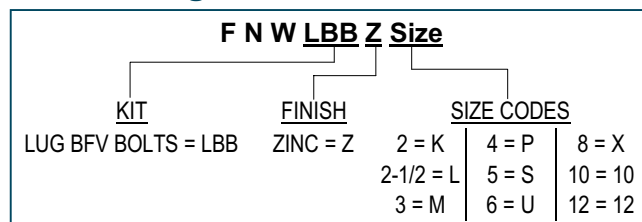
Features:

- Material: Carbon Steel ASTM A307 Grade A
- Coating: Zinc Plated
- Sizing: ANSI B18.2.1
- Tensile: 60,000 PSI Minimum
- Elongation: 18% Minimum
- Rockwell Hardness: 69-100R_b
- Sizes: 2" to 12" (150# Flanges Only)

* Each kit contains components for two flanges.



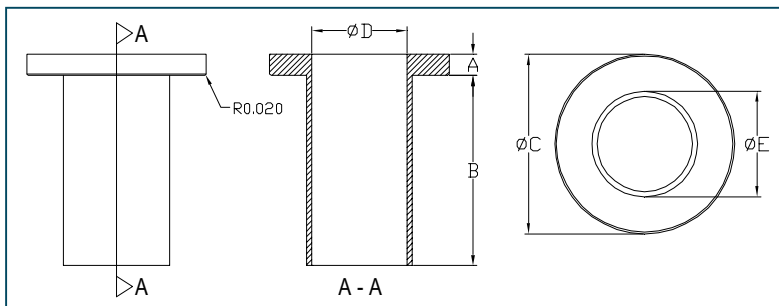
Figure Number Matrix



BOLT INSULATORS

Features:

- Material: Mineral Reinforced Nylon 66 Resin, Minlon® 10B40 NC010
- Color: White
- Tensile: 13,053 PSI (ASTM D638)
- Elongation: 2.5% (ASTM D638)
- Heat Deflection Temperature: 66 PSI - 482°F (ASTM D648)
264 PSI - 428°F (ASTM D648)
- Melting Point: 504°F (ASTM D3418)
- Specific Gravity: 1.51 (ASTM D792)
- Sold Individually *
- Sizes: 1/2", 5/8", and 3/4"



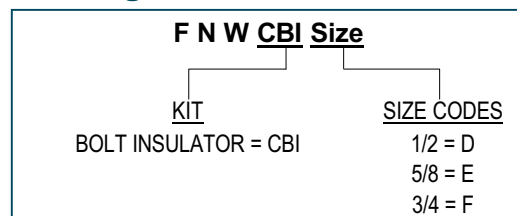
Dimensions (Inches)

| Size | A | B | ØC | ØD | ØE |
|------|-------|-------|-------|-------|-------|
| 1/2 | 0.160 | 1.030 | 1.140 | 0.530 | 0.595 |
| 5/8 | 0.170 | 1.133 | 1.325 | 0.657 | 0.725 |
| 3/4 | 0.160 | 1.595 | 1.570 | 0.777 | 0.840 |

Minlon® is a DuPont registered trademark

* Sold individually but packaged 200 pieces per bag, 1000 pieces per carton.

Figure Number Matrix



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