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: 69-100Rb

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 **

<table>
<thead>
<tr>
<th>F</th>
<th>N</th>
<th>W</th>
<th>NBG</th>
<th>Z</th>
<th>Pressure</th>
<th>Material</th>
<th>Type</th>
<th>6</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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
- Sizes: 2" to 12" (150# Flanges Only)

* Each kit contains components for two flanges.

Figure Number Matrix

<table>
<thead>
<tr>
<th>F N W LBB Z Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>KIT</td>
</tr>
<tr>
<td>LUG BFV BOLTS = LBB</td>
</tr>
<tr>
<td>2-1/2 = L</td>
</tr>
<tr>
<td>3 = M</td>
</tr>
<tr>
<td>4 = P</td>
</tr>
<tr>
<td>5 = S</td>
</tr>
<tr>
<td>6 = U</td>
</tr>
<tr>
<td>8 = X</td>
</tr>
<tr>
<td>10 = 10</td>
</tr>
<tr>
<td>12 = 12</td>
</tr>
</tbody>
</table>

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)
- Melting Point: 504°F (ASTM D3418)
- Specific Gravity: 1.51 (ASTM D3418)
- Sold Individually *
- Sizes: 1/2", 5/8", and 3/4"

Dimensions (Inches)

<table>
<thead>
<tr>
<th>Size</th>
<th>A</th>
<th>B</th>
<th>ØC</th>
<th>ØD</th>
<th>ØE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2</td>
<td>0.160</td>
<td>1.030</td>
<td>1.140</td>
<td>0.530</td>
<td>0.595</td>
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<tr>
<td>5/8</td>
<td>0.170</td>
<td>1.133</td>
<td>1.325</td>
<td>0.657</td>
<td>0.725</td>
</tr>
<tr>
<td>3/4</td>
<td>0.160</td>
<td>1.595</td>
<td>1.570</td>
<td>0.777</td>
<td>0.840</td>
</tr>
</tbody>
</table>

Minlon® is a DuPont registered trademark

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