

NUT, BOLT, GASKET KIT

Specifications

Non-Asbestos Gaskets

- Manufactured From Aramid and Other Synthetic Fibers Bonded with Nitrile Rubber (NBR)
- Color: Green
- Meets ASME B16.21 for 150# & 300# gaskets
- Dimensions: ASME B16.5
- Max. Temperature: 750°F (400°C)
- Max. Continuous Temperature: 460°F (240°C)
- Max. Pressure: 1595 PSI (110 Bar)
- Max. Continuous Pressure: 725 (50 Bar)
- ASTM F104 Line Call Out: F712120E22M5
- Density: 109 lb/ft³ (1.75 gm/cc)
- Compressibility: 7-17%
- Recovery: min 45%
- Tensile Strength Across Grain: 1670 psi (11.5 N/mm²)
- Ignition Loss: max 34%
- Thickness Increase After 5 Hour Immersion
 - ASTM IRM 903 @ 300°F (150°C): max 12%
 - ASTM Fuel B @ 77°F (25°C): max 10%
- Weight Increase After 5 Hour Immersion
 - ASTM IRM 903 @ 300°F (150°C): max 15%
 - ASTM Fuel B @ 77°F (25°C): max 15%
- Creep Relaxation: 25%
- Sealability at 1000 PSI: 0.25 ml/h

Red Rubber Gaskets

- Manufactured From Styrene-Butadiene (SBR)
- Color/Finish: Red to Reddish Orange/Smooth
- Meets ASME B16.21 for 150# gaskets
- Dimensions: ASME B16.5
- Durometer Hardness: Shore A ±5: 75
- Tensile Strength: 400 PSI
- Elongation: 150%
- Temperature Range: -20°F to 170°F (-29°C to 77°C)
- Max. Pressure: 200 PSI (13.8 Bar)
- Max. Pressure x Temperature (°F x PSI): 20,000
- Compression Set for 22 Hrs @ 158°F (70°C) (ASTM D395B): 35%
- Heat Aging for 94 Hrs @ 158°F (70°C) (ASTM D573)
 - Change in Hardness: +5 Shore A
 - Change in Tensile: -15%
 - Change in Elongation: -35%

Bolts

- Material: Carbon Steel ASTM A307 Grade A
- Coating: Zinc Plated
- Dimensions: ASME B18.2.1
- Tensile: 60 KSI Minimum
- Elongation: 18% Minimum
- Rockwell Hardness: 69-100Rb



Nuts

- Material: Carbon Steel ASTM A563 Grade A
- Coating: Zinc Plated
- Dimensions: ASME B18.2.2

Kit Types / Size Ranges*

Non-Asbestos Kits		Red Rubber Kits	
150# 1/16" Ring Gaskets	1/2" to 20"	150# 1/16" Ring Gaskets	2" to 12"
300# 1/16" Ring Gaskets	1/2" to 20"	150# 1/16" Full Face Gaskets	2" to 16"

Figure Number Matrix**

FNW NBG Z 1 NA F 6 Size					
PRESSURE	MATERIAL	TYPE	SIZE CODE		
150# = 1	Non-Asbestos = NA	Ring = R	1/2 = D	2-1/2 = L	10 = 10
300# = 3	Red Rubber = R	Full Face = F	3/4 = F	3 = M	12 = 12
			1 = G	4 = P	14 = 14
			1-1/4 = H	5 = S	16 = 16
			1-1/2 = J	6 = U	18 = 18
			2 = K	8 = X	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 specifications prior to placing an order.

* NOTE: Each kit contains components for one flange.

** NOTE: Not all configurations of model numbers may be available. Contact your supplier for specific material, rating and size combinations.