



Plain Flange Pack (Non-Asbestos Gasket)

Bolt and Nut Material Description: Low Carbon Steel Hex Bolts are manufactured to the dimensional specification ASME B18.2.1 and conform to ASTM A307, Grade A specifications. Finished Hex Nuts shall be manufactured to the dimensional specifications ASME B18.2.2 and conform to ASTM A563, Grade A specifications. The Bolts and Nuts are supplied with a Plain Finish.

Gasket Material Description: This is asbestos free gasket material based on a combination of aramid and other synthetic fibers with NBR binder ASTM – D2000. Excellent oil and fuel resistance combined with good stress relaxation and high tensile strength. Flange gaskets shall meet I/A/W ANSI/ASME B16.21 (Series A) dimensional requirements. Flange gaskets adhere to AWWA C111/A21.11-07 requirements. Gaskets can be supplied in a 1/16" or 1/8" thickness.

Gasket Compatibility: Flange gaskets shall be compatible with flanges conforming to ANSI/AWWA C110/A21.10, ANSI/AWWA C115/A21.15, ASME/ANSI B16.1/B16.5 class 125/150 and ANSI/AWWA C207 class B, D and E flanges.

Gasket Application: The primary use is recommended for sealing against cold and hot oils, gases, fuels and coolants with corrosion inhibitors, antifreeze and hot water.

Flange gaskets can be supplied as full-face or as a ring-type. The non-asbestos gaskets shall meet the following physical requirements.

- **Maximum Temperature:** 750 F
- **Maximum Pressure:** 1200 psi
- **Tensile Strength:** 2250 psi
- **Ignition Loss %:** 30 max
- **Color:** Green



V1223



Bolts sized for standard flange connections: Ductile Iron by Ductile Iron. Bolt sizing below.

Flange Size	Bolt & Nut Quantity	Bolt Diameter & Length
1/2"	4	1/2" - 13 X 1-1/2"
3/4"	4	1/2" - 13 X 1-3/4"
1"	4	1/2" - 13 X 2"
1-1/2"	4	1/2" - 13 X 2"
2"	4	5/8" - 11 X 2-1/2"
2-1/2"	4	5/8" - 11 X 3"
3"	4	5/8" - 11 X 3"
4"	8	5/8" - 11 x 3"
5"	8	3/4" - 10 X 3-1/4"
6"	8	3/4" - 10 X 3-1/4"
8"	8	3/4" - 10 X 3-1/2"
10"	12	7/8" - 9 X 3-3/4"
12"	12	7/8" - 9 X 3-3/4"
14"	12	1" - 8 X 4-1/2"
16"	16	1" - 8 X 4-1/2"
18"	16	1-1/8" - 7 X 5"
20"	20	1-1/8" - 7 X 5"
24"	20	1-1/4" - 7 X 5-1/2"
30"	28	1-1/4" - 7 X 6-1/2"
36"	32	1-1/2" - 6 X 7"
42"	36	1-1/2" - 6 X 7-3/4"
48"	44	1-1/2" - 6 X 7-3/4"

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