



Grade 5 Flange Pack (SBR Gasket)

Bolt and Nut Material Description: Medium Carbon Steel Hex Cap Screws are manufactured to the dimensional specification ASME B18.2.1 and conform to SAE J429, Grade 5 specifications. Finished Hex Nuts shall be manufactured to the dimensional specifications ASME B18.2.2 and conform to ASTM A563, Grade A specifications. The Hex Cap Screws and Nuts are supplied with a Plain Finish

Gasket Material Description: Styrene Butadiene Rubber (SBR) Red Rubber ASTM - D1330 Grade 1. Used for standard water applications. Flange gaskets shall meet ASME B16.21 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 C115/A21.15, ANSI/AWWA C110/A21.10, ASME 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 low temperature applications for the plumbing and water services.

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

- **Operating Temperature:** -20 F – 170 F
- **Elongation:** 150%
- **Tensile Strength:** 400 psi
- **Durometer:** 75 (+/- 5) Shore A
- **Thickness:** 1/8" thick (1/16" thick is available upon request)
- **Color:** Red



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"