

S&B SPECIAL ELASTOMERS RING-FLANGE GASKET



Ring Flange Gasket

S&B Technical Products recommends the use of S&B Special Elastomer Ring Flange Gasket for sealing ductile iron flanged pipe when special applications such as systems designed for transmitting oils and chemicals, high temperature water and air applications require elastomers with enhanced performance criteria above SBR gaskets.

Available in the following compounds:

<u>COMPOUNDS:</u>	<u>MAX SERVICE TEMPERATURE:</u>		<u>COMMON USES:</u>
	<u>Water & Sewer</u>	<u>Air</u>	
EPDM	212°F	150°F	Vegetable Oil, Alcohols, Dilute Acids, Diluted Alkalis, MEK, Acetone, fresh water, sea water, storm water, sanitary sewage & reclaimed water
Nitrile	150°F	125°F	Fresh water, salt water, sanitary sewage, storm water, petroleum products, oils, fats, chemicals, greases
Neoprene	200°F	150°F	Fresh water, salt water, sanitary sewage, storm water, greases
FKM	212°F	300°F	Fresh water, salt water, storm water, aromatic hydrocarbons, fuels, acids, vegetable oils, petroleum products, and most chemicals and Solvent

- Sizes 4" – 36", 1/8" Nominal Thickness
- Compatible with flanges confirming to ANSI/AWWA C-115/ A21.15, ANSI/AWWA C110/A21.10, ASME B16.1 class 125, ANSI/AWWA C207 class B, D, E and F, and ANSIB16.5 in sizes 4"-24"
- Rated for 350 psi water working pressure for 4"-24" sizes, 250psi for 30"- 36" sizes
- Designed for unique surface of Ductile Iron Flange joints
- Employs three ring type pieces molded into the gasket that project beyond both sides of the main surface of the gasket to greatly improve sealing and reduces bolt torque required to seal the joint

Call S&B Technical Products Customer Service for recommendation on best compound to use for a special application and pricing.

S&B Technical Products

1300 East Berry Street • Fort Worth, TX 76119 • 817-923-3344 • Fax 817-924-1589

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TECHNICAL DATA S&B SPECIAL ELASTOMERS FULL FACE FLANGE GASKET

<u>Size Inches</u>	<u>OD Inches</u>	<u>Working Pressure</u>	<u>Bolt Torque at 250psi ft./lb.</u>	<u>Working Pressure</u>	<u>Bolt Torque at 350psi ft./lb.</u>
4	6.88	250	90	350	110
6	8.75	250	90	350	110
8	11.00	250	90	350	110
10	13.38	250	90	350	130
12	16.13	250	90	350	130
14	17.75	250	110	350	150
16	20.25	250	110	350	160
18	21.63	250	120	350	180
20	23.88	250	120	350	200
24	28.25	250	130	350	220
30	34.75	250	140	-	-
36	41.25	250	160	-	-

Prior to assembly, make sure the flanges are free of sand, grit, grease, or other foreign material.

Hand tighten all bolts and check for alignment. Use a crisscross pattern to tighten the bolts, starting with the top bolt then the bottom bolt 180° from the top bolt, then 90° to the left and tighten that bolt, then 180° to the right across from it then one bolt to the right and repeat the crisscrossing for the remainder of the bolts. Flange bolts must be evenly torqued in stages to provide proper sealing.

These gaskets were designed specifically for the unique surface of Ductile Iron. Flat rubber gaskets are NOT considered equal in performance and may not provide the sealing capability the project requires. In addition, their use could result in unintended damage to the flanges and threads of the fabricated pipe by applying excess torque to the bolts/flanges in order to seal.

Call S&B Technical Products Customer Service Representative with the project specifications for recommendation on best compound to use for a special application, current lead times and for pricing. S&B maintains inventory on many of the sizes and special compounds.

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