



MALONEY SPECIAL ELASTOMERS FULL FACE FLANGE GASKET



Maloney Technical Products recommends the use of Special Elastomer for sealing ductile iron flanged piping for special applications such as; systems designed for transmitting oils, chemicals, high temperature water and air applications. These conditions require elastomers with enhanced performance above those provided by standard SBR gaskets.

Full Faced Style Gasket

Available in the following compounds:

COMPOUNDS:

MAX SERVICE TEMPERATURE:

COMMON USES:

EPDM

Water & Sewer

Air

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
- Holes match ANSI A-21.10, A21.15 and B 16.1 Class 125 Flange drilling.
- Rated for a water working pressure of 350psi For 4"-24" and 250psi for 30"-36" and are based on maximum rating of C110, C111 & C153 flange
- Designed for unique surface of Ductile Iron Flange joints
- Employs three ring type pieces mold 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

Maloney Technical Products

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TECHNICAL DATA MALONEY SPECIAL ELASTOMERS FULL FACE FLANGE GASKET

<u>Size Inches</u>	<u>BC Inches</u>	<u>Pressure Rating</u>	<u>Number Bolt Holes</u>	<u>Working Pressure/Bolt Torque</u>	
				<u>at 250 psi</u>	<u>at 350psi</u>
4	7.50	350psi	8	90	110
6	9.50	350psi	8	90	110
8	11.75	350psi	8	90	110
10	14.25	350psi	12	90	130
12	17.00	350psi	12	90	130
14	18.75	350psi	12	110	150
16	21.25	350psi	16	110	160
18	22.75	350psi	16	120	180
20	25.00	350psi	20	120	200
24	29.50	350psi	20	130	220
30	36.00	250psi	28	140	-
36	42.75	250psi	32	160	-

Bolt holes match ANSI A21.10, A21.15 AND B16.1. All gaskets meet the requirements shown in the appendices of AWWA C110, C111 and C115.

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

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