



AmericanBiltrite

M & Y Factors for Flange Gaskets

American Biltrite does not provide torque values; it is up to the design engineer to determine this. The information needed to determine the torque required for normal 150 lb flange gaskets up to 1/8 inch thick can be found in the following tables:

Section VIII of Unfired Vessel Code, Table 2-5-1 gives the following recommendations:

	Elastomers without fabric below 75 Shore A	Elastomers without fabric 75 Shore A or higher	Elastomers with fabric insertion
Gasket factor m	0.50	1.00	1.25
Min. Design Seating Stress y, psi	0*	200	400

* May require up to 100 psi for proper sealing

	60 Shore A or less	70 Shore A or higher
Maximum Recommended Compressive Stress	600-900 psi	600-1200 psi

These are general guidelines, certain applications could require other values that the design engineer would need to take into consideration.

For gaskets thicker than 1/8" thick, the design engineer needs to determine the final torque value to ensure the gasket is not deformed. Proper installation procedures need to be followed to ensure no leakage is occurring. Bolts should be retorqued after 24 hours.

This information is supplied as a guideline only; American Biltrite assumes no legal liability for any failures from improper installations or use of the wrong type of product for the application.

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