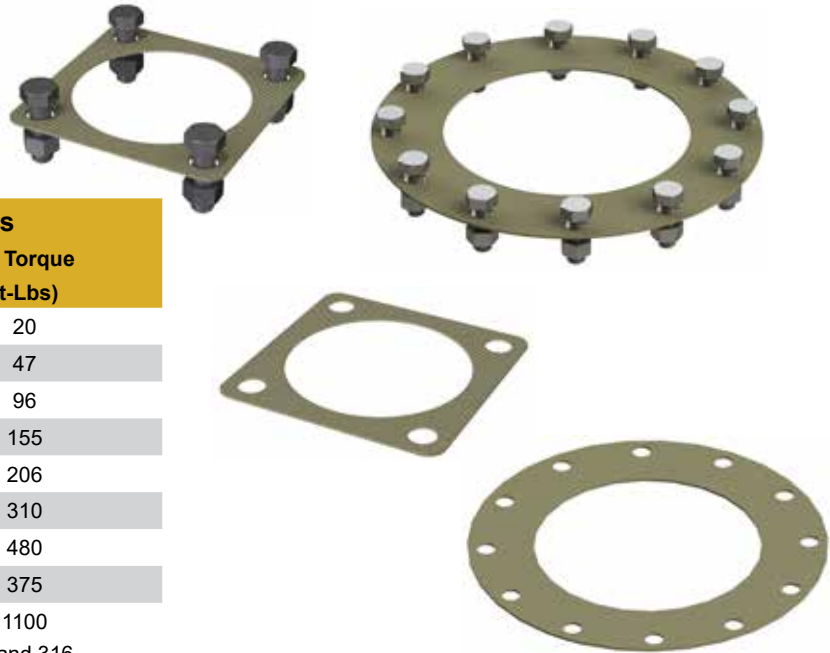


SPECIFICATIONS

M-47 and M-48 Bolt Torque and Gasket Specifications



Standard Bolt Torque Specifications

Nominal Bolt Diameter (in.)	Dry Torque (Ft-Lbs)
0.375	20
0.50	47
0.625	96
0.75	155
0.875	206
1.00	310
1.125	480
1.250	375
1.50	1100

Grade 2 Zinc plated nuts/bolts. Available in 304 and 316 stainless steel.

Fiber Full Face Gaskets, Temperature Rating: 1800° F

Physical Test Properties	Specification Range	Nominal Test Values	Test Method
Compression @ 34.5 MPa (5000psi)	25-40%	35%	ASTM F-806
Recovery @ 34.5 MPa (5000 psi)	30% Min	34%	ASTM F-806
Ignition Loss (1 hour @ 1500° F)	30% Max	27%	ASTM F-495
Air Aging 70 hrs @ 540° C (1000° F) Thickness Loss	0-10%	6%	ASTM D-573
Air Aging 70 hrs @ 540° C (1000° F) Weight Loss	20% Max	11%	

Fluid Immersions (22 hours @ 78° - 85° F)

Fluid Resistance ASTM IRM903 Oil - Thickness Change	12-20%	12%	ASTM F-146
Fluid Resistance ASTM IRM903 Oil - Weight Change	70% ▲ Max.	58%	ASTM F-146
Fluid Resistance ASTM Fuel B - Thickness Change	10-20%	15%	ASTM F-146
Fluid Resistance ASTM Fuel B - Weight Change	50% ▲ Max.	45%	ASTM F-146

- Fiber full face gaskets use a 0.008” ETP (electrolytic tin plate) low carbon steel core. The core is then laminated on two sides with a facing composed of heat resistant vermiculite and ceramic fibers chemically bonded with an NBR binder.
- This gasket is designed for hot gas applications where extreme heat is present.
- The fiber facings are mechanically bonded without the use of any adhesives, providing stability and integrity even when exposed to high heat, scrubbing, and vibration.
- Gasket is asbestos-free.
- Gasket is light brown in color.