Pipe Flange Bolt Torque Chart

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Pipe Flange Bolt Torque Chart
Flange joints require proper tightening to avoid the leak of the fluid from the joint. Bolt tightening sequence or torque sequence is key to achieve this. Torque table provides the required value for bolt tightening. A complete torque tightening procedure.

Flange Bolt Torque Sequence and Torque Table - A Complete ...
Flange Bolt and Torque Chart (ASME B16.5): - ASME B16.5 FLANGE BOLT CHART: The chart shows the number, the diameter and the length of stud bolts for ASME flanges (by flange NPS and pressure rating, or class).

Flange Bolt and Torque Chart (ASME B16.5)
Texas Flange provides ASME and Non code industrial pipe flanges for the Petrochemical, Process, Waterworks industries in Stainless Flanges, Alloy Flange and Carbon Steel flanges. Bolting Chart for Industrial Flanges

Bolting Chart for Industrial Flanges - Texas Flange
*Flat face flanges using full face gaskets, the recommended torque value is generally the maximum allowable torque based on the allowable bolt area. Flat face flanges have the same bolting as raised face flanges but roughly 3 to 4 times more surface / contact area.

Torque Values | Gasket Resources Inc
other bolting torque tables. bolting torque table 1 - atm a193 and atm a320 grade b8, cl2 stud bolts. ... 650°c on uninsulated flanges. bolting torque table 4 - use only with 6061-t6 aluminium flanges. bolting torque table 5 - ptf coated atm a193 b7 and atm 193 b16 stud bolts.

Stud Bolts - Bolting Torque Tables - Table 1 - ASTM A193 ...
bolt torque.* The housing bolt pads must make metal-to-metal contact. CAUTION: Uneven tightening may cause the gasket to pinch. 6. Assembly is complete Visually inspect the pipe joint to assure the coupling keys are fully engaged in the pipe grooves and the bolt pads are in firm even metal-to-metal contact on both sides of the coupling.

Pipe Fitters Handbook - pipe-valve-fitting.com
Flange Charts . Flange charts available below, or click ... Torque Required to Produce Bolt Stress . Torque data for use with alloy steel stud bolts. Load in pounds on stud bolt when torque loads are applied. View chart below ...

Fastener References | Guide for Flanges & Torque Bolt Stress
Bolt Torque Values for ASME B16.47 Series A Class 150# Flat Flanges with A193 Grade B7 Bolts for Full Face Homogeneous Elastomeric gaskets <70 durometer Shore A >70 durometer Shore A Nominal Pipe Size (in) No. of Bolts Size of Bolts (inches) Minimum Torque (ft.lbs.) Preferred Torque (ft.lbs.) Preferred Torque (ft.lbs.) 26 24 1.25 238 238 318

Factors Affecting Gasket Performance - Garlock
The torque values reprinted in this table are guidelines only and are the exclusive property of API. Note: Cof = Coefficient of Friction. Cof of 0.07 is for PTFE (Teflon/Xylan) coatings.

Recommended Torque Values for Flange Bolting - Torque...
Carbon and Stainless Steel Welding Neck Flange Bores - Flange bores of welding neck flanges according ASME/ANSI B16.5-1996 Pipe Flanges and Flanged Fittings; Metric Steel Bolts - Grades and Property Classes - Metric steel bolts, screws and studs - proof and tensile strength

ASME/ANSI B16.5 - Flanges and Bolt Dimensions Class 150 to ... These bolt torque values are intended for use as guidelines only and are based on ideal conditions, perfect flanges, flange alignment & new well lubricated bolts/nuts according to the national boiler code, installed in accordance with the Central Plastics Company Flange Installations Guidelines.
Torque values are based on

**Recommended Torque Values - centralplastics.com**
Description of Bolt Torque Tables ... Rec'd/Avail. Preferred Pipe Size Contact I.D. Contact O.D. Contact Area Of Bolts at 60ksi Stress Per Bolt @ 60ksi Stress Avail. Pressure Gasket Stress Torque/Bolt Gasket Stress Torque/Bolt ... For lined and/or non-metallic raised face flanges consult the flange manufacturer to confirm the suitability of the ...

**Description of Bolt Torque Tables - Galloup**
Torque the bolts at 30% of the final loading using the ... (Nut factors used on these charts are within .15 to .19) Flexitallic does not generally recommend a bolt stress above 60,000 PSI Torque values limit minimum and maximum gasket seating stresses ... Gasket Reference Guide ...

**Gasket Reference Guide - The Flexitallic Group**
FLANGE BOLT CHART. Flanges for piping should be mated using proper stud bolts and nuts. It is absolutely critical to use the right number, diameter, length, and material to bolt flanges properly and ensure leak-free connections. Further, stud bolts shall be tightened with a proper sequence and by applying a proper torque.

**Flanges for Pipes and Piping Systems - Projectmaterials**
CAUTION: When bolting to fiberglass, cast iron, PVC pipe flanges, or PVC flanged valves, the “brittle” flange typically bolts to a special HDPE full-face flange adapter using lower bolt torque. Hence a soft gasket is frequently also used with “brittle” pipes.

**TN-38: Bolt Torque for Polyethylene Flanged Joints**
Flanges 300 LB. Flanges 600 LB. Flanges Nominal Pipe Size # Bolts or Studs Dia of Bolts or Studs Length of Stud # Bolts or Studs Dia of Bolts or Studs Length of Stud # Bolts or Studs Dia of Bolts or Studs Length of...

**FLANGE BOLTING CHART - americanalloyflange**
For Standard ANSI Flanges Flange Designation Bolt Qty. Bolt Dia. (in.) Bolt Length (in.) Raised Face Ring Joint 1/2" - 150# 4 1/2 2-1/2 ... BOLT SPECIFICATIONS For Standard ANSI Flanges Cont. Flange Designation Bolt Qty. Bolt Dia. (in.) Bolt Length (in.) Raised Face Ring Joint

**BOLT SPECIFICATIONS For Standard ANSI Flanges - Fastorq**
Bolt Torque For Polyethylene Flanged Joints TN-38/January 2010 ... CAUTION: When bolting to fiberglass, cast iron, PVC pipe flanges, or PVC flanged valves, the “brittle” flange typically bolts to a special HDPE full-face flange adapter using lower bolt torque. Hence a soft gasket is frequently also used with “brittle” pipes.

**Bolt Torque For Polyethylene Flanged Joints TN-38/January 2010**
Flange Bolting Guide GASKET INSTALLATION 1. Visually examine and clean flanges, bolts, nuts and washers. Replace components if necessary. 2. LUBRICATE the bolts, nuts and nut bearing surfaces. 3. Install the new gasket, bolts and nuts. Be sure gasket is properly centered. DO NOT REUSE old gasket, or use MULTIPLE gaskets. 4.

**FLANGE BOLTING GUIDE**
Garlock Bolt Torque Values for .062" thick Compressed Sheet1 & GYLON® Ring Gaskets - ANSI B16.5 Class 150# Flanges Nominal Raised Face Raised Face Gasket Number Size of Bolt Torque Comp Force Max. Gasket Internal Min. Rec'd Min. Rec'd Max.

**template for bolt torque tables - garlock.com**
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