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Torque Spec
Chart
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Torque Spec
Chart

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~~Torque Specifications
And What They Mean
Applying
flangeDOTS® on an
RTJ Flange Engine Bolt
Torque Chart Trick for
Getting Torque Specs
Piping Engineering:
Flange Bolt Tightening:
Tightening Torque,
Tightening Sequence
& Procedure~~

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~~Torque Gasketing Bolt
Tightening Flange
Bolting / Torquing
Calculating Bolt torque
Flange Installation and
Bolt Type A Better
Look At The Most
Critical Fasteners In An
Engine Flange Bolt
Tightening Sequence
Finding Torque
Specifications For
Fasteners |
Maintenance Minute~~

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How to use torque
wrench for beginners

Car wheels torque specs
for most makes and
models Head bolt

torque specs and
pattern. Horsepower vs

Torque - A Simple
Explanation

Hydraulic Torque
Wrench Operation How
To Use A Torque
Wrench For Beginners
Hydratight Onsite

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Torque Wrench at
Refinery Head Bolt
Angle Gauge How To
Bolt and nut
measurement

Bolt Tensioning vs
Torquing | PipingHow
to use torque wrench
and when apply for bolt
Flange Bolt Tightening
How to Conduct the
Marking Torque Test
Method Pipe and
Flange Dimensions |

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Control Specialties

HYDRAULIC

TORQUE WRENCH -

FLANGE BOLT

TORQUING Flange

Bolt Tightening

Formula!

All Size Bolt Tightening

Torque and Pressure |

Bolt

Torque Pressure

Tight

?Manual

\u0026 Hydraulic

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Torquing Tightening Sequence - Piping Welding NDT Rtj Flange Torque Spec Chart

Flange joints are torque tight with the help of a torque wrench (Manual or hydronic wrench).

The clamp load produced during tightening is higher than 75% of the fastener ' s proof load. To achieve

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the benefits of the pre-loading, the clamping force in the screw must be higher than the joint separation load.

Flange Bolt Torque Sequence and Torque Table - A Complete ... RTJ flanges dimensions are covered in ASME B16.5 – which covers Pipe Flanges and Flanged Fittings for size

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NPS 1/2 " to 24 " for
above NPS 26 " to
60 " it should be as per
ASME B16.47. During
a dimensional inspection
of RTJ flange, you
should check for. Outer
& Inner Diameter of
body; Bolt Circle & Bolt
hole Diameter;
Thickness of weld end

RTJ Flange Dimensions
- Class 150 to Class

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2500 Torque Spec

rtj flange torque spec
chart Golden Education
World Book Document
ID 928988fa Golden
Education World Book
accordance with the
central plastics company
flange installations
guidelines torque values
are based on using weld
neck flanges and
lubricated stud bolts
with a 015 friction

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Torque rtj flange torque
spec chart

Rtj Flange Torque Spec
Chart - bonssio.csp-
parish.org.uk

Flange intended for RTJ
type Yes RTJ type
flange or > Class 600
Yes Service > Class 300
designcriteria

04-14_inside

3/24/2016 1:46 PM

Page 5 5 Gasket-

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Selection Select sealing material and metal type on basis of service, temperature, and medium. Soft cut gaskets should always be of the minimum thickness consistent with the style of the flanges ...

Gasket - Flexitallic

Global

SPECTACLE BLINDS

FOR USE WITH

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FLANGES; Spec
INTERMEDIATE
CONNECTION
FLANGES;
ALTERNATE
FLANGE FACING;
BOLTING CHART
FOR FLANGES;
FLANGE BORE
CHART; FLANGE
WALL THICKNESS;
RTJ FACE
DIMENSIONS AND
FLANGE

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TOLERANCES;

Domestic & Import;
Flange Basics. Flange
Specifications; Blind
Flanges; Lap Joint
Flanges; Slip-On
Flanges; Socket Weld
Flanges; Threaded ...

RTJ Face Dimensions
and Flange Tolerances -
Texas Flange
Flexitallic manufactures
a full range of metallic

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static seals, they are manufactured in types R, oval and octagonal cross-sectional profiles, along with RX, BX, SRX and SBX.

Flexitallic manufactures a full range of metallic static seals.

RING TYPE JOINT
GASKETS - Flexitallic
SOFC

Raised Face ANSI

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CLASS 2500

Forged/ Cast Steel
Flanges RTJ ANSI

CLASS 150-2500

Forged/ Cast Steel
Flanges 1 4 7 10 13 16

ANSI RF & RTJ:

CLASS 150/300/600/1
500/2500 ... DIN

Flange Summary Chart
Rated Pressure (in bar)
(1 bar = 14.5 psi)

Description DIN 6 10
16 25 40 64 100

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ANSI RF & RTJ:

CLASS 150/300/600/1

500/2500 DIN:

PN6/10 ...

2. Instant flange bolt sizes and torque patterns: Just enter the flange size, class, and type and the app instantly populates the correct values from the flange bolt size chart and the flange torque

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Torque Spool
Chart
sequence chart, along
with wrench size. 3.

Flange Bolt Chart - Size
& Torque | Flange Bolt
Chart

Flange Bolt Charts.

150# Flange Bolt Chart;

300# Flange Bolt Chart;

600# Flange Bolt Chart;

900# Flange Bolt Chart;

1500# Flange Bolt

Chart; 2500# Flange

Bolt Chart

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Torque Charts

Torque values assume that Nickel Anti-Sieze thread lubricant is used.

If bolts are to be torqued "dry", increase wrench setting by 20%.

Table is for standard pipe flanges only.

Consult LGT

Engineering for flange bolt-up procedure, target bolt stresses, and

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guidelines for non-
standard connections.

Torque Chart | Leader
Gasket

Bolting Dimensions for
ANSI - B16.5 Flanges
Flange & Nominal Pipe
Size Flange Studs
Wrench Size Stud Bolt
Length No. Ring No.
Of Studs Diameter Of
Studs Raised Face
Flange (Stud Length)

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Ring Joint Flange (Stud
Length) 1/2 4 3/4
1-1/4 4-1/4 4-1/4 3/4
4 3/4 1-1/4 4-1/2
4-1/2 1 4 7/8 1-7/16 5
5

Bolting Dimensions for
ANSI - B16.5 Flanges
RTJ Gasket Size Chart
sunpack 2020-02-02T14
:35:43-06:00 This is a
chart for RTJ Gasket
Sizes, but it is by no

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means all-inclusive.

Please contact us if you
have a Gasket
requirement not listed
here.

RTJ Gasket Size Chart.
Custom Options
Available - Sunpack Inc.
Metric Bolt Dimensions
Table (Chart) for ASME
B16.5 Class 900 RTJ
Flanges. Bolt dimensions
chart indicates bolt

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diameter in inches and length in mm, number of bolts for each class 900 flange size and the ring number of ring joint gasket.

Stud Bolt Dimensions
for ASME B16.5 Class
900 RTJ Flanges
bolting torque table 3 -
use only with a193 b8,
cl1 bolts at 540 ° c -
650 ° c on uninsulated

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flanges. bolting torque
table 4 - use only with
6061-t6 aluminium

flanges. bolting torque
table 5 - ptfе coated
astm a193 b7 and astm
193 b16 stud bolts.

bolting torque table 5a -
cold service ptfе coated
astm a320 grade l7 stud
bolts

Flanges - Bolting
Torque Tables - Table 2

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- ASTM 193 Grade ...
Flange Size B16.5 Class
150 RF/ Ring Gaskets
B16.5 Class 150 FF/
Full Face Gaskets;
Torque / Round (ft-lbs)
Bolt Tighten Sequence*
Torque / Round (ft-lbs)
Bolt Tighten Sequence*
1st 2nd Final Dwg* / No.
Bolt Size 1st 2nd Final
Dwg* / No. Bolt Size;
1/2 10: 20: 30: 4-bolt:
1/2 20: 40: 60: 4-bolt:

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1/2 3/4 13: 27: 40:
4-bolt: 1/2 20: 40: 60:
4-bolt: 1/2 1 15:
30: 50: 4-bolt: 1/2 20:
40: 60: 4-bolt: 1/2

Torque Values - Gasket
Resources Inc.

(Nut factors used on
these charts are within
.15 to .19) Torque
Values are in ft.-lbs.,
and assume Alloy Steel
Bolts (A193 B7 w/ 2H

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Nuts) with oil/graphite
lubrication. 06/19. Min
Torque Max Torque
Min Torque Max
Torque Min Torque
Max Torque Min
Torque Max Torque
0.5 30 50 30 40 30 40
30 40

Spiral Wound Gasket
CG - Flexitallic Global
Table 1 / Torque FT-
LBS - ASTM A193 and

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ASTM A320 Grade B8,

CL2 Stud Bolts: BOLT

DIA: Torque FT-LBS:

30% Initial Torque:

70% Torque: 100%

Final Torque: 1/2: 16:

36: 52: 9/16: 23: 53: 75:

5/8: 31: 73: 104: 3/4:

55: 129: 184: 7/8: 71:

166: 237: 1: 107: 249:

356: 1.1/8: 127: 297:

424: 1 1/4: 179: 417: 596:

1.3/8: 186: 435: 622:

1 1/2: 246: 574: 821:

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Torque Spec Chart

1.9/16: 168: 392: 560:
1.5/8: 191: 445: 636:
1¾: 240: 561: 801:
1.7/8: 298: 696: 994: 2:
366: 853: 1219: 2¼:
529: 1234: 1762: 2½:
733: 1709: 2442 ...

Flange Bolt-Up Bolting
Torque Table 1 -
wermac.org

This is due to the fact
that API flanges
typically operate at a

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Higher pressure in comparison to their ANSI / ASME flange counterparts. The seal of an RTJ gasket occurs under the force of closing the bolt and hardware after mating one flange to another. Typically, the gaskets are made of softer material than the metal of the flanges they are sealing.

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