

## Bolting Dimensions For Api Flanges

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Flange Bolt Tightening Sequence

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Basics of Flange | Piping Analysis *Flange Bolting / Torquing* *How To Compute Travel, Spool and Take OFF Given Elevation, Diameter of Pipe* *5 Steps to Design a API 600 Gate Valve Body* #Design Tips *1 Effects of Tightening a Nut and Bolt Behaviour*

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74FP SlideLOK Rigid Coupling Installation Animation

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Machining the Flanges *Are You Experience Piping Interview?* ~~How to Compute Takeoff, Spool, Center to Center~~ *90, 45 Degrees Elbow* Pipefitter ~~FLANGE HOG 110 Full Demonstration (2in \u0026amp; 10in RF flanges)~~

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Bolt Tensioning vs Torquing | Piping Internal Flange Alignment Tool / Clamp by Three Different Manufacturers. **Pipe Fittings | Piping Analysis** ~~What is the difference between Code, Standard~~ *\u0026amp; Specification?* **Piping Engineering : why raised face flange is better than flat face flange**

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Basics of Pipe-fitting and Welding | How to Fabricate a Spool ~~Flange Bolting Dynamics~~ Finite element analysis of pipe flanges *How to Bolt hole Mark on flanges used in fabrication* #Pipefitter **What is 1.414 and 60,30,22.5 Degree? - Piping** ~~Welding~~ **NonDestructiveExamination-NDT** *Flange Rating Selection as per ASME B16.5 | Simple Science* *Pipe fitting - aligning pipes, flanges \u0026amp; elbows* MEM05011D - Assemble *Fabricated Components* Bolting Dimensions For Api Flanges

BOLT SIZES FOR ANSI 150 TO 1500 CLASS FLANGES Dimensions (inches)  
ANSI/ASME 150 - 600 lb Flange Size 150 lb (1/16 Raised Face) 300 lb (1/16" Raised Face) 400 lb (1/4" Raised Face) 600 lb (19/4" Raised Face) Nominal Pipe Size (in) Number of Bolts Diameter of Bolts (in) Length of Headed Bolts (in) Length of Stud Bolts (in) Number of Bolts Diameter

Stud Bolt Sizes for ANSI ASME API Flanges

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API 6A Type 6BX 15000 psi Flange Dimensions. Views: 600. API 6A Type 6BX 10000 psi Flange Dimensions. Views: 2694. API 6A Type 6BX 5000 psi Flange Dimensions. Views: 439. API 6A Type 6BX 3000 psi Flange Dimensions. Views: 238. API 6A Type 6BX 2000 psi Flange Dimensions.

API Flange Dimensions - piping-world.com

API FLANGE BOLT & RING CHART. API Pressure Rating Flange Size & Bore Ring Gasket Number of Studs Stud Dimensions Dia Length. ` 2 1/16"  
R-23 RX-23 8 5/8" 4 1/2" 2 9/16" R-26 RX-26 8 3/4" 5" 3 1/8" R-31  
RX-31 8 3/4" 5 1/4" 4 1/16" R-37 RX-37 8 7/8" 6" 5 1/8" R-41 RX-41 8  
1" 6 3/4" 7 1/16" R-45 RX-45 12 1" 7" 9" R-49 RX-49 12 1 1/8" 8" 11"  
R-53 RX-53 16 1 1/4" 8 3/4" 13 5/8" R-57 RX-57 20 1 1/4" 9" 16 3/4"  
R-65 RX-65 20 1 1/2" 10 1/4 ...

API FLANGE BOLT & RING CHART - TBM Supply

Refer to 17D Torque Chart on page 11 when using 6BX Flanges for Subsea Applications See page 12 of this document for important notes. Flange Size Ring Gasket Number of Bolts Stud Bolt Tap End Stud Wrench Size Torque\* Ft. Lbs. 1-13/16" 10M BX-151 8 3/4" x 5-1/2" 3/4 x 3-3/4" 1-1/4" 200 1-13/16" 10M 6BX T0 17SV BX-151 SBX-151 8 3/4" x 6-1/2" 3/4 x 4-3/4" 1-1/4" See Page 11 1-13/16" 15M BX-151 8 7/8" x 6" 7/8" x 4-1/8" 1-7/16" 319 1-13/16" 20M BX-151 8 1" x 7-3/4" 1" x 5-1/8" ...

API SPEC 6A, 16A, 17D AND MSS FLANGE GASKET, BOLT AND ...

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Bolting Dimensions For Api Flanges

ASME/ANSI B16.5 - Flanges and Bolt Dimensions Class 150 to 2500 Diameters and bolt circles for standard ASME B16.5 flanges - 1/4 to 24 inches - Class 150 to 2500 Sorry to see that you are blocking ads on The Engineering ToolBox! If you find this website valuable and appreciate it is open and free for everybody - please contribute by

ASME/ANSI B16.5 - Flanges and Bolt Dimensions Class 150 to ...  
900 LB. Flanges 1500 LB. Flanges 2500 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

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Bolts or Studs Length of Stud; 1/4 RF: RTJ: 1/4 RF: RTJ: 1/4 RF: RTJ:  
1/2: 4: 0.75: 4-1/4: 4-1/4: 4: 0.75: 4-1/4: 4-1/4: 4: 0.75: 4-3/4:  
4-3/4: 3/4: 4: 0.75: 4-1/2: 4-1/2: 4: 0.75: 4-1/2: 4-1/2: 4: 0.75: 5:  
5: 1: 4: 0.88: 5: 5: 4: 0.88: 5: 5: 4: 0.88

### Flange Bolting Chart - Texas Flange

Dimensions of type 6BX Integral Flanges for 2000, 3000, 5000, 10 000, 15 000 and 20 000 PSI Rated Working Pressure API Spec 6A Dimensions 6 BX Integral Flanges API 6A 2000 to 20000 PSI Working Pressure

Dimensions of type 6BX Integral Flanges for 2000, 3000 ...

The flange standards API 6A and ASME/ANSI B16.5 have the same dimensions - but the API 6A flanges are rated for higher pressures as indicated below: 1) In the old API standard, flanges ranged from 1 1/2 to 10 (20) inches. 1 inch = 25.4 mm Sorry to see that you are blocking ads on The Engineering ToolBox!

### Flanges - API vs. ASME/ANSI

3 important stud bolts charts: 1- stud bolts dimensions in inches and millimeters (number, diameter, length of stud bolts for ASME flanges of different diameter and rating); 2- stud bolts weight (in kilograms and pounds for metric and imperial bolts, by diameter and length); 3- stud bolt torque chart (tightening sequence and load to ensure proper flanged joints).

### Stud Bolts Charts (for Flanges) - Projectmaterials

Dimensions of Type 6B flanges for 5000 psi (34.5 MPa) rated working pressure. Type 6B flanges are of the ring joint type and are not designed for face-to-face make-up. The connection make-up bolting force reacts on the metallic ring gasket.

### API 6A Type 6B 5000 psi Flange Dimensions (Metric)

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 Stud: 1/16 RF: RTJ: 1/16 RF: RTJ: 1/4 RF: RTJ: 1/2: 4: 0.50: 2-1/4-4: 0.50: 2-1/2: 3: 4: 0.50: 3: 3: 3/4: 4: 0.50: 2-1/2-4: 0.63: 3: 3-1/2: 4: 0.63: 3-1/2: 3-1/2: 1: 4: 0.50: 2-1/2: 3: 4: 0.63: 3: 3-1/2: 4: 0.63: 3-1/2: 3-1/2: 1-1/4: 4: 0.50: 2-3/4: 3-1/4: 4: 0.63

### 150#, 300#, & 600# Flange Stud Bolt Chart

On standard ANSI raised face flanges a 1/16" thick gasket is normally recommended. Thinner gasket materials can take a higher gasket load and therefore higher internal pressures. Even when the installation is ideal, where the bolt stress is uniformly applied to each bolt, and the gasket is properly compressed, problems can still arise.

### FLANGE BOLTING GUIDE

Bolting Dimensions for API Flanges. 2000 lb. W.P. Nominal Size Inches Gasket API Number Number Of Studs Stud Bolt Size Inches; 2-1/16: R23:

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8: 5/8 X 4-1/2: 2-9/16: R26: 8: 3/4 X 5: 3-1/8: R31: 8: 3/4 X 5-1/4:  
4-1/16: R37: 8: 7/8 X 6: 5-1/8: R41: 8: 1 X 6-3/4: 7-1/16: R45: 12: 1  
X 7: 9: R49: 12: 1-1/8 X 8: 11: R53: 16: 1-1/4 X 8-3/4: 13-5/8: R57  
...

2000 lb. W.P. - M&Z Industrial Supply Ltd.

Flange: 8. Basic Thk Flange: 9. Dia Hub: 10. Dia Bolt Circle: 11.  
Number of Bolt Holes: 12. Dia of Bolts: 13. Dia Bolt Holes: 14. Bolt  
Hole Tolerance (Minimum -0.02) 15. Length Stud Bolts: 16. Hub Length  
Threaded Line-Pipe Flange: 17. Hub Length Threaded Casing Flange: 18.  
Hub Length Welding Neck Line-Pipe Flange  $\pm 0.06$ : 19. Neck Dia Welding  
...

Dimensions 6B Flanges 3000 PSI Rated Working Pressure API ...  
Bolts and Stud Bolt Dimensions for ASME B16.47 Series B / API 605  
Flanges; Bolts and Stud Bolt Dimensions for ASME B16.47 Series B /  
API 605 Flanges. Bolt & Stud Bolt Diameter and Length for ASME B16.47  
Series B / API 605 Flanges. Nominal Pipe Size, NPS Class 150 Class  
300 Class 400 Class 600 Class 900; d L d L d L d L d L; 26" 3/4"  
5-1/2" 1-1 ...

ASME B16.47 Series B Flanges / API 605

RTJ flanges dimensions are covered in ASME B16.5 – which covers Pipe  
Flanges and Flanged Fittings for size 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

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