What is a Flange Bolt Chart?

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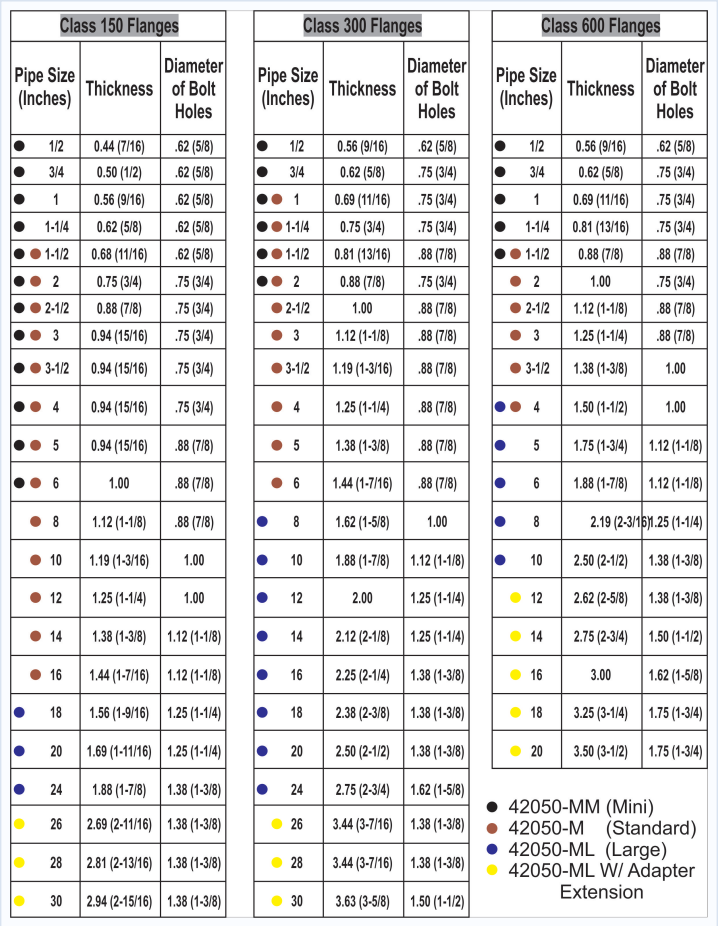

Class 150 Flanges		
Pipe Size (Inches)	Thickness	Diameter of Bolt Holes
1/2	0.44 (7/16)	.62 (5/8)
3/4	0.50 (1/2)	.62 (5/8)
1	0.56 (9/16)	.62 (5/8)
1-1/4	0.62 (5/8)	.62 (5/8)
1-1/2	0.68 (11/16)	.62 (5/8)
2	0.75 (3/4)	.75 (3/4)
2-1/2	0.88 (7/8)	.75 (3/4)
3	0.94 (15/16)	.75 (3/4)
3-1/2	0.94 (15/16)	.75 (3/4)
4	0.94 (15/16)	.75 (3/4)
5	0.94 (15/16)	.88 (7/8)
6	1.00	.88 (7/8)
8	1.12 (1-1/8)	.88 (7/8)
10	1.19 (1-3/16)	1.00
12	1.25 (1-1/4)	1.00
14	1.38 (1-3/8)	1.12 (1-1/8)
16	1.44 (1-7/16)	1.12 (1-1/8)
18	1.56 (1-9/16)	1.25 (1-1/4)
20	1.69 (1-11/16)	1.25 (1-1/4)
24	1.88 (1-7/8)	1.38 (1-3/8)
26	2.69 (2-11/16)	1.38 (1-3/8)
28	2.81 (2-13/16)	1.38 (1-3/8)
30	2.94 (2-15/16)	1.38 (1-3/8)

Class 300 Flanges		
Pipe Size (Inches)	Thickness	Diameter of Bolt Holes
1/2	0.56 (9/16)	.62 (5/8)
3/4	0.62 (5/8)	.75 (3/4)
1	0.69 (11/16)	.75 (3/4)
1-1/4	0.75 (3/4)	.75 (3/4)
1-1/2	0.81 (13/16)	.88 (7/8)
2	0.88 (7/8)	.75 (3/4)
2-1/2	1.00	.88 (7/8)
3	1.12 (1-1/8)	.88 (7/8)
3-1/2	1.19 (1-3/16)	.88 (7/8)
4	1.25 (1-1/4)	.88 (7/8)
5	1.38 (1-3/8)	.88 (7/8)
6	1.44 (1-7/16)	.88 (7/8)
8	1.62 (1-5/8)	1.00
10	1.88 (1-7/8)	1.12 (1-1/8)
12	2.00	1.25 (1-1/4)
14	2.12 (2-1/8)	1.25 (1-1/4)
16	2.25 (2-1/4)	1.38 (1-3/8)
18	2.38 (2-3/8)	1.38 (1-3/8)
20	2.50 (2-1/2)	1.38 (1-3/8)
24	2.75 (2-3/4)	1.62 (1-5/8)
26	3.44 (3-7/16)	1.38 (1-3/8)
28	3.44 (3-7/16)	1.38 (1-3/8)
30	3.63 (3-5/8)	1.50 (1-1/2)

Class 600 Flanges		
Pipe Size (Inches)	Thickness	Diameter of Bolt Holes
1/2	0.56 (9/16)	.62 (5/8)
3/4	0.62 (5/8)	.75 (3/4)
1	0.69 (11/16)	.75 (3/4)
1-1/4	0.81 (13/16)	.75 (3/4)
1-1/2	0.88 (7/8)	.88 (7/8)
2	1.00	.75 (3/4)
2-1/2	1.12 (1-1/8)	.88 (7/8)
3	1.25 (1-1/4)	.88 (7/8)
3-1/2	1.38 (1-3/8)	1.00
4	1.50 (1-1/2)	1.00
5	1.75 (1-3/4)	1.12 (1-1/8)
6	1.88 (1-7/8)	1.12 (1-1/8)
8	2.19 (2-3/16)	1.25 (1-1/4)
10	2.50 (2-1/2)	1.38 (1-3/8)
12	2.62 (2-5/8)	1.38 (1-3/8)
14	2.75 (2-3/4)	1.50 (1-1/2)
16	3.00	1.62 (1-5/8)
18	3.25 (3-1/4)	1.75 (1-3/4)
20	3.50 (3-1/2)	1.75 (1-3/4)

Printing & Usage Overview

A common pitfall when working with flange bolt charts is assuming they are universal and consistent across industries. In reality, these charts can vary based on factors like standards, regions, and specific applications. It's essential to understand that a flange bolt chart is a tailored tool, providing precise information for a particular context. These charts offer a quick reference for flange bolt dimensions, including sizes, strengths, and markings. While the format may differ, the purpose remains the same: to ensure accurate selection and application of flange bolts, a critical component in many industries. Understanding the Flange Bolt Chart The flange bolt chart is a valuable reference tool for anyone working with flange connections. It provides a quick and practical guide to selecting the right bolts for your project. This chart offers a visual representation of various bolt sizes, strengths, and

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