

# FLANGE DATA CHART

MACTECH PORTABLE MACHINING SOLUTIONS

## Series 150 Flanges

Nominal Pipe Size	Wrench Size	Flange Bolts			Raised Face Diameter	Bolt Circle	Flange Diameter
		Quantity	Size	Length			
				R.T.J.			
1/2	7/8	4	1/2	2-1/4	1.38	2.38	3-1/2
3/4	7/8	4	1/2	2-1/4	1.69	2.75	3-7/8
1	7/8	4	1/2	2-1/2	2.00	3.13	4-1/4
1-1/4	7/8	4	1/2	2-1/2	2.50	3.50	4-5/8
1-1/2	7/8	4	1/2	2-3/4	2.88	3.88	5
2	1-1/16	4	5/8	3	3.63	4.75	6
2-1/2	1-1/16	4	5/8	3-1/4	4.13	5.50	7
3	1-1/16	4	5/8	3-1/2	5.00	6.00	7-1/2
3-1/2	1-1/16	8	5/8	3-1/2	5.50	7.00	8-1/2
4	1-1/16	8	5/8	3-1/2	6.19	7.50	9
5	1-1/4	8	3/4	3-3/4	7.31	8.50	10
6	1-1/4	8	3/4	3-3/4	8.50	9.50	11
8	1-1/4	8	3/4	4	10.63	11.75	13-1/2
10	1-7/16	12	7/8	4-1/2	12.75	14.25	16
12	1-7/16	12	7/8	4-1/2	15.00	17.00	19
14	1-5/8	12	1	5	16.25	18.75	21
16	1-5/8	16	1	5-1/4	18.50	21.25	23-1/2
18	1-13/16	16	1-1/8	5-3/4	21.00	22.75	25
20	1-13/16	20	1-1/8	6	23.00	25.00	27-1/2
24	2	20	1-1/4	6-3/4	27.25	29.50	32

## Series 300 Flanges

Nominal Pipe Size	Wrench Size	Flange Bolts			Raised Face Diameter	Bolt Circle	Flange Diameter
		Quantity	Size	Length			
				R.T.J.			
1/2	7/8	4	1/2	2-1/2	1.38	2.63	3-3/4
3/4	1-1/16	4	5/8	2-3/4	1.69	3.25	4-5/8
1	1-1/16	4	5/8	3	2.00	3.50	4-7/8
1-1/4	1-1/16	4	5/8	3	2.50	3.88	5-1/4
1-1/2	1-1/4	4	3/4	3-1/2	2.88	4.50	6-1/8
2	1-1/16	8	5/8	3-1/4	3.63	5.00	6-1/2
2-1/2	1-1/4	8	3/4	3-3/4	4.13	5.88	7-1/2
3	1-1/4	8	3/4	4	5.00	6.63	8-1/4
3-1/2	1-1/4	8	3/4	4-1/4	5.50	7.25	9
4	1-1/4	8	3/4	4-1/4	6.19	7.88	10
5	1-1/4	8	3/4	4-1/2	7.31	9.25	11
6	1-1/4	12	3/4	4-3/4	8.50	10.63	12-1/2
8	1-7/16	12	7/8	5-1/4	10.63	13.00	15
10	1-5/8	16	1	6	12.75	15.25	17-1/2
12	1-13/16	16	1-1/8	6-1/2	15.00	17.75	20-1/2
14	1-13/16	20	1-1/8	6-3/4	16.25	20.25	23
16	2	20	1-1/4	7-1/4	18.50	22.50	25-1/2
18	2	24	1-1/4	7-1/2	21.00	24.75	28
20	2	24	1-1/4	8	23.00	27.00	30-1/2
24	2-3/8	24	1-1/2	9	27.25	32.00	36

## Series 400 Flanges

Nominal Pipe Size	Wrench Size	Flange Bolts		Raised Face Diameter	Bolt Circle	Flange Diameter
		Quantity	Size			
1/2	7/8	4	1/2	1.38	2.63	3-3/4
3/4	1-1/16	4	5/8	1.69	3.25	4-5/8
1	1-1/16	4	5/8	2.00	3.50	4-7/8
1-1/4	1-1/16	4	5/8	2.50	3.88	5-1/4
1-1/2	1-1/4	4	3/4	2.88	4.50	6-1/8
2	1-1/16	8	5/8	3.63	5.00	6-1/2
2-1/2	1-1/4	8	3/4	4.13	5.88	7-1/2
3	1-1/4	8	3/4	5.00	6.63	8-1/4
3-1/2	1-7/16	8	7/8	5.50	7.25	9
4	1-7/16	8	7/8	6.19	7.88	10
5	1-7/16	8	7/8	7.31	9.25	11
6	1-7/16	12	7/8	8.50	10.63	12-1/2
8	1-5/8	12	1	10.63	13.00	15
10	1-13/16	16	1-1/8	12.75	15.25	17-1/2
12	2	16	1-1/4	15	17.75	20-1/2
14	2	20	1-1/4	16.25	20.25	23
16	2-3/16	20	1-3/8	18.50	22.50	25-1/2
18	2-3/16	24	1-3/8	21.00	24.75	28
20	2-3/8	24	1-1/2	23.00	27.00	30-1/2
24	2-3/4	24	1-3/4	27.25	32.00	36

## Series 600 Flanges

Nominal Pipe Size	Wrench Size	Flange Bolts				Raised Face Diameter	Bolt Circle	Flange Diameter
		Quantity	Size	R.F.	R.T.J.			
1/2	7/8	4	1/2	3	3	1.38	2.63	3-3/4
3/4	1-1/16	4	5/8	3-1/4	3-1/4	1.69	3.25	4-5/8
1	1-1/16	4	5/8	3-1/2	3-1/2	2.00	3.50	4-7/8
1-1/4	1-1/16	4	5/8	3-3/4	3-3/4	2.50	3.88	5-1/4
1-1/2	1-1/4	4	3/4	4	4	2.88	4.50	6-1/8
2	1-1/16	8	5/8	4	4-1/4	3.63	5.00	6-1/2
2-1/2	1-1/4	8	3/4	4-1/2	4-3/4	4.13	5.88	7-1/2
3	1-1/4	8	3/4	4-3/4	5	5.00	6.63	8-1/4
3-1/2	1-7/16	8	7/8	5-1/4	5-1/2	5.50	7.25	9
4	1-7/16	8	7/8	5-1/2	5-3/4	6.19	8.50	10-3/4
5	1-5/8	8	1	6-1/4	6-1/2	7.31	10.50	13
6	1-5/8	12	1	6-1/2	6-3/4	8.50	11.50	14
8	1-13/16	12	1-1/8	7-1/2	7-3/4	10.63	13.75	16-1/2
10	2	16	1-1/4	8-1/4	8-1/2	12.75	17.00	20
12	2	20	1-1/4	8-1/2	8-3/4	15.00	19.25	22
14	2-5/8	20	1-3/8	9	9-1/4	16.25	20.75	23-3/4
16	2-3/8	20	1-1/2	9-3/4	10	18.50	23.75	27
18	2-9/16	20	1-5/8	10-1/2	10-3/4	21.00	25.75	29-1/4
20	2-9/16	24	1-5/8	11-1/4	11-1/2	23.00	28.50	32
24	2-15/16	24	1-7/8	12-3/4	13-1/4	27.25	33.00	37



# FLANGE DATA CHART

MACTECH PORTABLE MACHINING SOLUTIONS

## Series 900 Flanges

Nominal Pipe Size	Wrench Size	Flange Bolts				Raised Face Diameter	Bolt Circle	Flange Diameter
		Quantity	Size	Length				
				R.F.	R.T.J.			
1/2	1-1/4	4	3/4	4	4	1.38	3.25	4-3/4
3/4	1-1/4	4	3/4	4-1/4	4-1/4	1.69	3.50	5-1/8
1	1-7/16	4	7/8	4-3/4	4-3/4	2.00	4.00	5-7/8
1-1/4	1-7/16	4	7/8	4-3/4	4-3/4	2.50	4.38	6-1/4
1-1/2	1-5/8	4	1	5-1/4	5-1/4	2.88	4.88	7
2	1-7/16	8	7/8	5-1/2	5-3/4	3.63	6.50	8-1/2
2-1/2	1-5/8	8	1	6	6-1/4	4.13	7.50	9-5/8
3	1-7/16	8	7/8	5-1/2	5-3/4	5.00	7.50	9-1/2
4	1-13/16	8	1-1/8	6-1/2	6-3/4	6.19	9.25	11-1/2
5	2	8	1-1/4	7-1/4	7-1/2	7.31	11.00	13-3/4
6	1-13/16	12	1-1/8	7-1/2	7-1/2	8.50	12.50	15
8	1-3/16	12	1-3/8	8-1/2	8-3/4	10.63	15.50	18-1/2
10	2-3/16	16	1-3/8	9	9-1/4	12.75	18.50	21-1/2
12	2-3/16	20	1-3/8	9-3/4	10	15.00	21.00	24
14	2-5/8	20	1-1/2	10-1/2	11	16.25	22.00	25-1/4
16	2-9/16	20	1-5/8	11	11-1/2	18.50	24.25	27-3/4
18	2-15/16	20	1-7/8	12-3/4	13-1/4	21.00	27.00	31
20	3-1/8	20	2	13-1/2	14	23.00	29.50	33-3/4
24	3-7/8	20	2-1/2	17	17-3/4	27.25	35.50	41

## Series 1500 Flanges

Nominal Pipe Size	Wrench Size	Flange Bolts				Raised Face Diameter	Bolt Circle	Flange Diameter
		Quantity	Size	Length				
				R.F.	R.T.J.			
1/2	1-1/4	4	3/4	4	4	1.38	3.25	4-3/4
3/4	1-1/4	4	3/4	4-1/4	4-1/4	1.69	3.50	5-1/8
1	1-7/16	4	7/8	4-3/4	4-3/4	2.00	4.00	5-7/8
1-1/4	1-7/16	4	7/8	4-3/4	4-3/4	2.50	4.38	6-1/4
1-1/2	1-5/8	4	1	5-1/4	5-1/4	2.88	4.88	7
2	1-7/16	8	7/8	5-1/2	5-3/4	3.63	6.50	8-1/2
2-1/2	1-5/8	8	1	6	6-1/4	4.13	7.50	9-5/8
3	1-13/16	8	1-1/8	6-3/4	7	5.00	8.00	10-1/2
4	2	8	1-1/4	7-1/2	7-3/4	6.19	9.50	12-1/4
5	2-3/8	8	1-1/2	9-1/2	9-3/4	7.31	11.50	14-3/4
6	2-3/16	12	1-3/8	10	10-1/4	8.50	12.50	15-1/2
8	2-9/16	12	1-5/8	11-1/4	11-3/4	10.63	15.50	19
10	2-15/16	12	1-7/8	13-1/4	13-1/2	12.75	19.00	23
12	3-1/8	16	2	14-3/4	15-1/4	15.00	22.50	26-1/2
14	3-1/2	16	2-1/4	16	16-3/4	16.25	25.00	29-1/2
16	3-7/8	16	2-1/2	17-1/2	18-1/2	18.50	27.75	32-1/2
18	4-1/4	16	2-3/4	19-1/4	20-1/4	21.00	30.50	36
20	4-5/8	16	3	21	22-1/4	23.00	32.75	38-3/4
24	5-3/8	16	3-1/2	24	25-1/2	27.25	39.00	46

## Series 2500 Flanges

Nominal Pipe Size	Wrench Size	Flange Bolts			Raised Face Diameter	Bolt Circle	Flange Diameter
		Quantity	Size	Length			
				R.T.J.			
1/2	1-1/4	4	3/4	4-3/4	1.38	3.50	5-1/4
3/4	1-1/4	4	3/4	4-3/4	1.69	3.75	5-1/2
1	1-7/16	4	7/8	5-1/4	2.00	4.25	6-1/4
1-1/4	1-5/8	4	1	6	2.50	5.13	7-1/4
1-1/2	1-13/16	4	1-1/8	6-3/4	2.88	5.75	8
2	1-5/8	8	1	7	3.63	6.75	9-1/4
2-1/2	1-13/16	8	1-1/8	7-3/4	4.13	7.75	10-1/2
3	2	8	1-1/4	8-3/4	5.00	9.00	12
4	2-3/8	8	1-1/2	10-1/4	6.19	10.75	14
5	2-3/4	8	1-3/4	12-1/4	7.31	12.75	16-1/2
6	3-1/8	8	2	14	8.50	14.50	19
8	3-1/8	12	2	15-1/2	10.63	17.25	21-3/4
10	3-7/8	12	2-1/2	20	12.75	21.25	26-1/2
12	4-1/4	12	2-3/4	22	15.00	24.38	30



Mactech, Inc. • 4079 Pepin Ave. • Red Wing, MN 55066  
 PH: 651-388-7117 • TOLL FREE: 800-328-1488 • FAX: 651-388-0337 • www.mactechonsite.com