

# Carbon Steel Weld Fittings & Flanges — List Price Schedule 2-10

Effective February 1, 2010  
**PRICING SUBJECT TO CHANGE**



**Mill Test Reports Available**

## Carbon Steel Weld Fittings

Sizes: 1/2" to 24"

Wall Dimensions: Standard & Extra Heavy

Specifications:
 

- ASTM/ASME A/SA 234-WPB
- ANSI B16.9, B16.28, and B16.25

## Carbon Steel Weld Flanges

Sizes: 1/2" to 24"

Pressure Ratings: 150# and 300#

Specifications:
 

- ASTM/ASME A/SA 105
- ANSI B16.5 and B16.25

### STANDARD — WELD FITTINGS

SIZE	ELBOWS			Tees		Caps
	Long Radius 90°	Short Radius 90°	45°	Straight	Reducing	
1/2"	16.56	26.57	17.60	54.52	---	20.36
3/4"	16.56	26.57	17.60	54.52	63.15	20.36
1"	16.56	26.57	17.60	54.52	63.15	20.36
1-1/4"	16.56	26.57	17.60	54.52	63.15	20.36
1-1/2"	16.56	26.57	17.60	54.52	63.15	20.36
2"	23.15	35.22	22.60	55.77	93.27	22.52
2-1/2"	28.05	56.42	27.07	76.96	102.40	23.68
3"	34.24	66.20	28.05	85.77	99.79	23.68
3-1/2"	56.42	86.75	50.55	120.34	126.53	34.55
4"	56.42	86.75	50.55	120.34	126.53	34.55
5"	121.64	257.96	76.64	198.61	273.29	53.19
6"	124.42	229.26	99.47	206.76	258.65	59.01
8"	234.95	379.60	165.67	360.69	469.28	89.29
10"	467.65	777.14	330.68	708.65	865.84	161.89
12"	692.67	1085.97	467.65	991.72	1278.06	244.20
14"	999.40	1507.64	628.75	1739.84	1972.68	324.95
16"	1362.85	1824.95	1126.74	1944.97	2036.60	378.91
18"	1803.76	2827.11	1593.41	3354.22	3899.01	518.67
20"	2495.13	2950.06	1649.50	4850.35	4986.01	588.55
24"	3528.59	4539.88	2499.69	6260.15	6917.28	800.14

<b>EXTRA STRONG — WELD FITTINGS</b>						
<b>SIZE</b>	<b>ELBOWS</b>			<b>Tees</b>		<b>Caps</b>
	<b>Long Radius 90°</b>	<b>Short Radius 90°</b>	<b>45°</b>	<b>Straight</b>	<b>Reducing</b>	
<b>1/2"</b>	21.74	52.45	23.12	53.83	---	25.19
<b>3/4"</b>	21.74	52.45	23.12	53.83	81.79	25.19
<b>1"</b>	21.74	52.45	23.12	53.83	81.79	25.19
<b>1-1/4"</b>	21.74	52.45	23.12	53.83	81.79	25.19
<b>1-1/2"</b>	21.74	52.45	23.12	53.83	81.79	25.19
<b>2"</b>	27.76	87.35	29.05	61.34	87.74	22.52
<b>2-1/2"</b>	39.06	87.35	64.56	102.10	95.26	31.06
<b>3"</b>	50.04	87.35	37.45	95.12	110.65	34.55
<b>3-1/2"</b>	82.32	143.64	59.08	153.74	164.61	46.98
<b>4"</b>	82.32	143.64	59.08	153.74	164.61	46.98
<b>5"</b>	196.60	322.62	140.43	335.04	485.22	76.87
<b>6"</b>	208.22	334.65	161.73	294.40	304.76	95.50
<b>8"</b>	395.78	715.89	279.57	582.66	606.41	143.26
<b>10"</b>	834.82	1079.27	538.47	868.47	1049.77	220.13
<b>12"</b>	1023.03	1289.69	798.67	1263.68	1684.91	294.28
<b>14"</b>	1418.16	1856.90	1008.50	2399.25	2582.49	446.46
<b>16"</b>	1788.12	2248.23	1225.12	2276.96	3300.89	512.07
<b>18"</b>	2341.44	2934.62	1842.68	4811.70	4749.97	692.60
<b>20"</b>	3337.67	3581.02	2193.26	5259.44	5514.00	732.97
<b>24"</b>	5431.18	5481.78	3680.19	7080.83	6898.43	1043.95

WELD REDUCERS				
SIZE	STANDARD		EXTRA STRONG	
	Concentric	Eccentric	Concentric	Eccentric
3/4" x 1/2"	54.75	74.15	39.97	68.45
1" x 1/2"	54.75	74.15	39.97	68.45
1" x 3/4"	54.75	74.15	39.97	68.45
1-1/4" x 3/4"	54.75	---	39.97	68.45
1-1/4" x 1"	54.75	74.15	39.97	68.45
1-1/2" x 3/4"	54.75	74.15	---	68.45
1-1/2" x 1"	54.75	74.15	39.97	68.45
1-1/2" x 1-1/4"	54.75	74.15	39.97	68.45
2" x 3/4"	75.01	207.06	---	---
2" x 1"	48.51	72.76	48.96	93.87
2" x 1-1/4"	35.03	---	47.16	108.25
2" x 1-1/2"	35.03	44.92	39.08	49.41
2-1/2" x 1"	90.73	259.16	116.33	---
2-1/2" x 1-1/4"	76.36	---	81.75	118.13
2-1/2" x 1-1/2"	57.04	61.08	53.45	74.11
2-1/2" x 2"	44.02	52.10	53.45	74.11
3" x 1-1/2"	44.92	69.62	59.74	101.96
3" x 2"	39.08	61.08	44.92	61.08
3" x 2-1/2"	36.38	57.04	44.92	61.08
4" x 1-1/2"	102.86	---	110.49	---
4" x 2"	57.04	90.73	75.46	131.15
4" x 2-1/2"	57.04	78.60	67.82	99.26
4" x 3"	46.71	74.56	57.49	95.67
5" x 2-1/2"	---	235.36	---	---
5" x 3"	118.13	150.47	178.31	276.23
5" x 3-1/2"	---	---	126.06	---
5" x 4"	86.69	150.47	122.62	221.43

WELD REDUCERS				
SIZE	STANDARD		EXTRA STRONG	
	Concentric	Eccentric	Concentric	Eccentric
6" x 2-1/2"	235.81	---	---	---
6" x 3"	118.58	240.75	161.25	269.04
6" x 4"	97.92	153.61	137.89	207.06
6" x 5"	87.58	110.49	133.85	254.67
8" x 4"	165.29	357.97	---	406.03
8" x 5"	144.63	---	229.07	332.37
8" x 6"	128.46	195.83	187.75	291.05
10" x 6"	234.01	451.40	321.14	689.90
10" x 8"	249.28	256.47	269.04	471.61
12" x 6"	371.00	1012.84	480.14	---
12" x 8"	354.38	627.92	446.46	876.30
12" x 10"	308.12	400.20	439.27	674.63
14" x 8"	783.32	---	---	---
14" x 10"	634.65	822.40	---	---
14" x 12"	463.53	702.48	---	---
16" x 10"	896.51	---	---	---
16" x 12"	811.17	1427.41	---	---
16" x 14"	811.17	1074.37	---	---
18" x 12"	1196.54	---	---	---
18" x 14"	1104.92	2000.08	---	---
18" x 16"	886.18	1935.40	---	---
20" x 16"	1520.83	2424.53	---	---
20" x 18"	1520.83	2430.83	---	---
24" x 16"	1835.69	---	---	---
24" x 18"	---	3503.84	---	---
24" x 20"	1720.26	3187.19	---	---

CLASS 150 FLANGES							
SIZE	SLIP-ON (RF or FF)	WELDING - NECK (RF - STD & XH or FF)	BLIND (RF or FF)	THREADED (RF or FF)	SOCKET WELD - (RF)		LAP JOINT
					STD	XS	
1/2"	20.59	30.11	24.71	31.02	27.18	27.18	21.69
3/4"	20.59	30.11	24.71	31.02	27.18	27.18	21.69
1"	20.59	30.11	24.71	31.02	27.18	27.18	21.69
1-1/4"	20.59	30.11	24.71	31.02	27.18	27.18	21.69
1-1/2"	20.59	30.11	24.71	31.02	27.18	27.18	21.69
2"	22.88	34.48	27.58	34.75	29.93	29.93	24.18
2-1/2"	39.16	37.49	41.96	42.59	40.21	40.21	38.93
3"	31.08	40.92	35.16	42.85	38.14	38.14	32.92
3-1/2"	38.95	49.67	49.28	49.80	---	---	40.39
4"	38.95	49.67	49.28	49.80	49.65	49.65	40.39
5"	67.84	78.43	64.81	78.38	---	---	63.40
6"	64.05	75.03	75.03	86.14	81.18	---	67.84
8"	97.25	132.55	123.11	147.84	116.99	---	107.56
10"	167.84	212.29	237.10	---	---	---	169.93
12"	248.89	308.50	357.10	375.03	---	---	311.61
14"	330.69	444.71	591.37	---	---	---	664.29
16"	516.99	668.63	872.81	---	---	---	867.15
18"	642.35	941.05	1183.27	---	---	---	987.82
20"	734.41	1147.06	1487.35	---	---	---	1113.55
24"	1061.31	152.48	2052.94	---	---	---	1334.44

CLASS 300 FLANGES						
SIZE	SLIP-ON (RF)	WELDING - NECK (RF - STD & XH)	BLIND (RF)	THREADED (RF)	SOCKET WELD (RF - STD & XH)	LAP JOINT
1/2"	27.45	36.24	32.12	34.31	34.31	29.92
3/4"	27.45	36.24	32.12	34.31	34.31	29.92
1"	27.45	36.24	32.12	34.31	34.31	29.92
1-1/4"	27.45	36.24	32.12	34.31	34.31	29.92
1-1/2"	27.45	36.24	32.12	34.31	34.31	29.92
2"	36.47	45.10	35.95	39.87	39.08	34.38
2-1/2"	41.18	51.63	63.14	55.82	47.22	49.54
3"	44.84	52.16	51.22	59.48	62.09	51.63
3-1/2"	64.58	85.75	81.57	85.62	---	78.41
4"	64.58	85.75	81.57	85.62	101.26	78.41
5"	112.05	130.59	141.44	129.10	129.10	130.59
6"	112.39	133.33	143.01	160.26	---	140.52
8"	191.87	229.80	221.41	296.30	---	235.27
10"	327.32	415.95	441.28	308.83	---	363.69
12"	402.54	534.88	637.52	373.61	---	513.25
14"	1002.98	1150.20	1309.57	---	---	---
16"	1102.88	1361.80	1750.56	---	---	---
18"	1372.21	1734.85	2274.90	---	---	---
20"	1520.55	2167.32	2616.34	---	---	---
24"	2403.66	2992.42	3918.80	---	---	---

# Pipe Schedule Dimensional Chart

## Common Diameters and Wall Thicknesses

Nominal Pipe Size	Outside Diameter	Light WT	STD	XS	XXS	SCH 20	SCH 30	SCH 40	SCH 60	SCH 80	SCH 100	SCH 120	SCH 140	SCH 160
1/2	.840	---	.109	.147	.294	---	---	STD	---	XS	---	---	---	.188
3/4	1.050	---	.113	.154	.308	---	---	STD	---	XS	---	---	---	.219
1	1.315	---	.133	.179	.358	---	---	STD	---	XS	---	---	---	.250
1-1/4	1.660	---	.140	.191	.382	---	---	STD	---	XS	---	---	---	.250
1-1/2	1.900	---	.145	.200	.400	---	---	STD	---	XS	---	---	---	.281
2	2.375	---	.154	.218	.438	---	---	STD	---	XS	---	---	---	.344
2-1/2	2.875	---	.203	.276	.552	---	---	STD	---	XS	---	---	---	.375
3	3.500	---	.216	.300	.600	---	---	STD	---	XS	---	---	---	.438
3-1/2	4.000	--	.266	.318	.636	---	---	STD	---	XS	---	---	---	---
4	4.500	.188	.237	.377	.674	---	---	STD	---	XS	---	.438	---	.531
5	5.562	---	.258	.375	.750	---	---	STD	---	XS	---	.500	---	.625
6	6.625	.219	.280	.432	.864	---	---	STD	---	XS	---	.562	---	.719
8	8.625	.219	.322	.500	.875	.250	.277	STD	.406	XS	.594	.719	.812	.906
10	10.750	.219	.365	.500	1.000	.250	.307	STD	XS	.594	.719	.844	1.0	1.125
12	12.750	.250	.375	.500	1.000	.250	.330	.406	.562	.688	.844	1.000	1.125	1.312
14	14.000	.250	.375	.500	---	.312	STD	.438	.594	.750	.938	1.094	1.250	1.406
16	16.000	.250	.375	.500	---	.312	STD	XS	.656	0.844	1.031	1.219	1.438	1.594
18	18.000	.250	.375	.500	---	.312	.438	.562	.750	0.938	1.156	1.375	1.562	1.781
20	20.000	.250	.375	.500	---	STD	XS	.594	.812	1.031	1.281	1.5	1.750	1.969
22	22.000	---	.375	.500	---	STD	XS	---	.875	1.125	1.375	1.625	1.875	2.125
24	24.000	.250	.375	.500	---	STD	.562	.688	.969	1.219	1.531	1.812	2.062	2.344

All dimensions given in inches for common diameters and wall thicknesses.  
Dimensions in accordance with ANSI B36.10

**Fittings** conform to ASTM A234, ASME SA234, WPB specifications and to ASME/ANSI B16.9, B16.28 specifications.

**Flanges** conform to ASTM A105, ASME SA105 and to ASME/ANSI B16.5 specifications.

**Matco-Norca** is not responsible for any printing errors in the data contained herein. Although care was taken for proper representation, verification of all specifications is the sole responsibility of the customer.

**Matco-Norca Commercial / Industrial Sales Team** 6100 Preston Road, Suite 250, Frisco, TX 75034  
TEL: 877-362-5122 • FAX: 469-362-8100 • [www.matco-norca.com/wff](http://www.matco-norca.com/wff)

