



Forged Steel Fittings and Unions Price List

GENERAL NOTES

MINIMUM INVOICE:	\$50.00 net
PRICES:	All prices are each. Taxes extra as applicable
F.O.B. :	Our plant, stocking warehouse.
PAYMENT TERMS:	Net 30 days.
OTHER TERMS:	The "General Terms and Conditions" apply to all orders.



Threaded Forged Steel Fittings											ASME B16.11		
Class 2000											Carbon Steel ASTM A-105-N / ASME SA-105-N		
NOMINAL		90° Elbows			45° Elbows			Tees			Crosses		
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY
1/8"	3	----	--	--	----	--	--	----	--	--	----	--	--
1/4"	6	19.84	0.20	25	35.62	0.19	25	28.26	0.26	25	POA	0.52	25
3/8"	10	19.84	0.27	25	35.62	0.22	25	31.68	0.34	25	POA	0.46	25
1/2"	15	21.03	0.52	25	33.06	0.46	25	26.89	0.60	25	POA	0.78	25
3/4"	20	28.48	0.78	25	35.20	0.70	25	34.99	1.01	25	POA	1.13	25
1"	25	29.89	1.14	25	40.81	0.97	25	42.96	1.44	25	114.98	1.58	25
1-1/4"	32	62.28	1.58	25	70.07	1.38	25	92.69	2.00	25	POA	2.45	20
1-1/2"	40	85.43	2.42	25	79.78	1.73	25	103.78	2.87	20	278.27	3.19	10
2"	50	103.64	3.58	10	140.82	3.21	10	139.44	4.46	10	369.14	5.43	8
2-1/2"	65	276.24	6.50	--	POA	7.75	--	426.09	9.53	--	POA	16.44	--
3"	80	407.21	10.50	--	471.21	11.31	--	617.44	12.91	--	1373.75	19.50	--
4"	100	POA	26.67	--	POA	19.13	--	POA	28.70	--	POA	32.69	--

Threaded Forged Steel Fittings											ASME B16.11		
Class 3000											Carbon Steel ASTM A-105-N / ASME SA-105-N		
NOMINAL		90° Elbows			45° Elbows			Tees			Crosses		
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY
1/8"	3	27.86	0.20	25	37.21	0.25	25	34.00	0.32	25	51.18	0.44	25
1/4"	6	27.86	0.35	25	37.21	0.29	25	34.00	0.43	25	87.04	0.57	25
3/8"	10	27.86	0.62	25	37.21	0.56	25	34.00	0.75	25	87.04	0.97	25
1/2"	15	22.19	0.97	25	35.32	0.90	25	36.41	1.32	25	87.04	1.51	25
3/4"	20	29.89	1.42	25	39.59	1.28	25	53.18	1.96	25	120.84	2.50	25
1"	25	44.88	2.20	25	55.29	1.94	25	69.26	3.16	20	142.89	3.58	20
1-1/4"	32	83.27	3.06	20	80.83	2.23	25	115.23	3.80	15	245.95	4.13	12
1-1/2"	40	102.41	5.38	10	119.98	4.68	12	152.53	7.31	10	319.65	6.50	8
2"	50	131.41	6.10	9	165.45	4.93	9	203.35	7.50	8	443.03	8.67	7
2-1/2"	65	379.57	11.90	--	439.00	7.38	--	469.78	13.13	--	POA	16.75	--
3"	80	555.62	14.44	--	694.97	13.56	--	933.45	23.10	--	1663.10	25.67	--
4"	100	1221.70	31.97	--	1278.50	19.06	--	1608.61	40.00	--	POA	32.00	--

Reducing Threaded and Socket Weld Fittings when available are 100% extra
 Electro-Galvanized Fittings when available are 20% extra



Threaded Forged Steel Fittings											ASME B16.11		
Class 3000											Carbon Steel ASTM A-105-N / ASME SA-105-N		
NOMINAL		Couplings			Reducing Couplings			Half Couplings			Pipe Caps		
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY
1/8"	3	12.34	0.10	25	----	--	--	6.59	0.06	25	11.94	0.08	25
1/4"	6	12.34	0.10	25	13.49	0.12	25	6.59	0.06	25	11.84	0.08	25
3/8"	10	12.33	0.11	25	15.78	0.16	25	6.76	0.06	25	11.84	0.09	25
1/2"	15	10.26	0.27	25	15.78	0.34	25	7.46	0.14	25	12.14	0.24	25
3/4"	20	13.51	0.39	25	19.30	0.51	25	9.28	0.19	25	16.77	0.36	25
1"	25	22.69	0.81	25	29.65	1.01	25	14.31	0.42	25	25.84	0.72	25
1-1/4"	32	38.18	1.57	25	51.57	1.87	25	23.06	0.79	25	38.56	1.00	25
1-1/2"	40	51.20	2.20	25	60.48	2.49	25	30.88	1.13	25	47.06	1.63	25
2"	50	68.96	3.15	16	91.62	3.69	16	42.13	1.55	25	65.66	3.13	25
2-1/2"	65	156.64	4.86	--	472.71	6.00	--	83.07	2.33	--	196.53	5.00	--
3"	80	242.70	6.66	--	772.20	8.75	--	202.37	3.40	--	366.28	7.19	--
4"	100	477.58	12.90	--	1208.22	10.00	--	339.93	8.38	--	435.55	14.00	--

Threaded Forged Steel Fittings											ASME B16.11		
Class 3000											Carbon Steel ASTM A-105-N / ASME SA-105-N		
NOMINAL		Street Elbows			Laterals								
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN						
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY						
1/8"	3	42.24	0.26	25	----	--	--						
1/4"	6	39.40	0.22	25	----	--	--						
3/8"	10	41.17	0.35	25	----	--	--						
1/2"	15	41.17	0.58	25	POA	1.75	--						
3/4"	20	53.48	0.97	25	POA	2.75	--						
1"	25	65.47	1.79	25	POA	4.63	--						
1-1/4"	32	118.28	2.34	20	POA	5.50	--						
1-1/2"	40	148.62	4.29	12	POA	9.50	--						
2"	50	206.29	5.46	8	POA	10.81	--						
2-1/2"	65	----	--	--	----	--	--						
3"	80	----	--	--	----	--	--						
4"	100	----	--	--	----	--	--						

Reducing Threaded and Socket Weld Fittings when available are 100% extra
 Electro-Galvanized Fittings when available are 20% extra



Threaded Forged Steel Fittings											ASME B16.11		
Class 6000											Carbon Steel ASTM A-105-N / ASME SA-105-N		
NOMINAL		90° Elbows			45° Elbows			Tees			Crosses		
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY
1/8"	3	POA	0.25	25	POA	0.25	25	POA	0.50	25	POA	0.56	25
1/4"	6	48.21	0.63	25	POA	0.64	25	62.39	0.85	25	POA	1.19	25
3/8"	10	POA	1.02	25	POA	0.50	25	POA	1.41	25	POA	1.50	25
1/2"	15	48.20	1.71	25	68.80	1.44	25	62.39	2.26	25	POA	2.75	25
3/4"	20	60.12	2.63	25	90.87	2.19	25	80.41	3.56	20	POA	4.31	20
1"	25	78.96	3.83	20	103.99	2.78	20	136.67	5.05	15	POA	6.63	20
1-1/4"	32	155.29	6.75	20	POA	4.69	20	POA	7.63	15	POA	10.75	10
1-1/2"	40	202.72	7.50	10	272.51	5.75	10	239.55	9.63	8	POA	11.50	7
2"	50	362.04	13.44	--	379.80	9.50	--	452.84	18.70	--	POA	22.19	--
2-1/2"	65	POA	20.88	--	POA	15.00	--	POA	28.06	--	POA	19.50	--
3"	80	POA	39.05	--	POA	30.56	--	POA	47.50	--	POA	54.00	--
4"	100	POA	40.00	--	POA	--	--	POA	--	--	POA	--	--

Threaded Forged Steel Fittings											ASME B16.11		
Class 6000											Carbon Steel ASTM A-105-N / ASME SA-105-N		
NOMINAL		Pipe Caps			Couplings			Reducing Couplings			Half Couplings		
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY
1/8"	3	POA	0.13	25	25.38	0.16	25	----	--	--	POA	0.07	25
1/4"	6	29.55	0.13	25	25.38	0.25	25	225.16	0.25	25	21.22	0.09	25
3/8"	10	POA	0.19	25	25.38	0.25	25	POA	0.43	25	POA	0.13	25
1/2"	15	29.55	0.31	25	21.24	0.68	25	225.16	0.75	25	17.76	0.33	25
3/4"	20	44.69	0.44	25	23.47	0.91	25	275.61	1.05	25	17.76	0.47	25
1"	25	47.47	0.75	25	34.98	1.93	25	423.33	2.00	25	23.58	0.95	25
1-1/4"	32	POA	1.31	25	75.90	2.38	20	POA	3.70	20	49.06	1.19	25
1-1/2"	40	122.23	1.69	25	75.89	4.15	16	POA	4.60	16	50.13	2.19	25
2"	50	145.38	3.25	20	131.50	6.25	--	1306.55	7.00	--	90.13	3.08	--
2-1/2"	65	POA	8.10	--	POA	10.75	--	POA	11.00	--	POA	5.38	--
3"	80	POA	11.70	--	1055.91	13.50	--	POA	15.00	--	POA	6.75	--
4"	100	POA	14.25	--	POA	24.50	--	POA	26.00	--		7.00	--

Reducing Threaded and Socket Weld Fittings when available are 100% extra
 Electro-Galvanized Fittings when available are 20% extra



Threaded Forged Steel Fittings							ASME B16.11						
Class 6000							Carbon Steel ASTM A-105-N / ASME SA-105-N						
NOMINAL		Street Elbows			Laterals								
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN						
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY						
1/8"	3	POA	0.37	--	----	--	--						
1/4"	6	POA	0.38	--	----	--	--						
3/8"	10	POA	0.44	--	----	--	--						
1/2"	15	POA	1.00	--	POA	2.38	--						
3/4"	20	POA	1.63	--	POA	3.25	--						
1"	25	POA	3.03	--	POA	5.44	--						
1-1/4"	32	POA	3.69	--	POA	7.19	--						
1-1/2"	40	POA	7.12	--	POA	12.31	--						
2"	50	----	--	--	----	--	--						
2-1/2"	65	----	--	--	----	--	--						
3"	80	----	--	--	----	--	--						
4"	100	----	--	--	----	--	--						

Threaded Forged Steel Fittings							ASME B16.11						
Class 3000/6000							Carbon Steel ASTM A-105-N / ASME SA-105-N						
NOMINAL		Hexagon Plugs			Hexagon Bushings			Round Head Plugs			Square Head Plugs		
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY
1/8"	3	3.94	0.01	25	----	--	--	13.12	0.03	25	5.00	0.02	25
1/4"	6	4.75	0.05	25	8.00	0.03	25	9.60	0.09	25	5.37	0.03	25
3/8"	10	5.04	0.07	25	8.00	0.03	25	10.25	0.14	25	5.92	0.04	25
1/2"	15	5.32	0.14	25	7.89	0.06	25	7.77	0.23	25	6.26	0.09	25
3/4"	20	8.65	0.28	25	10.36	0.11	25	8.59	0.39	25	8.15	0.16	25
1"	25	13.72	0.44	25	17.29	0.21	25	12.53	0.71	25	11.24	0.33	25
1-1/4"	32	24.99	0.91	25	24.21	0.41	25	29.33	1.13	25	27.12	0.57	25
1-1/2"	40	33.09	1.31	25	29.55	0.41	25	29.34	1.56	25	27.90	0.81	25
2"	50	52.09	2.19	25	47.79	0.92	25	47.46	3.10	20	44.27	1.35	25
2-1/2"	65	102.17	3.72	--	132.68	1.29	--	POA	4.75	--	105.73	2.25	--
3"	80	189.42	5.87	--	226.54	2.13	--	426.63	7.62	--	189.42	2.87	--
4"	100	279.46	13.00	--	320.40	4.50	--	POA	12.87	--	281.93	7.18	--

Reducing Threaded and Socket Weld Fittings when available are 100% extra
 Electro-Galvanized Fittings when available are 20% extra



Socket Welding Forged Steel Fittings											ASME B16.11		
Class 3000											Carbon Steel ASTM A-105-N / ASME SA-105-N		
NOMINAL		90° Elbows			45° Elbows			Tees			Crosses		
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY
1/8"	3	POA	0.13	25	POA	0.13	25	38.93	0.25	25	POA	0.25	25
1/4"	6	29.24	0.18	25	38.72	0.20	25	38.93	0.25	25	117.96	0.25	25
3/8"	10	29.22	0.27	25	38.72	0.21	25	38.93	0.34	25	117.96	0.38	25
1/2"	15	19.63	0.48	25	29.29	0.43	25	25.89	0.58	25	117.96	0.81	25
3/4"	20	21.81	0.69	25	34.13	0.68	25	32.16	0.92	25	121.69	1.13	25
1"	25	29.89	1.10	25	44.30	0.85	25	36.60	1.38	25	131.84	1.55	25
1-1/4"	32	59.49	1.54	25	63.85	1.36	25	76.60	1.95	25	196.25	2.25	14
1-1/2"	40	82.18	2.33	25	77.31	1.63	25	116.12	2.90	20	257.00	3.06	12
2"	50	117.41	3.43	10	134.71	2.97	10	163.18	4.48	10	319.33	5.13	8
2-1/2"	65	267.62	6.61	--	361.86	6.75	--	392.23	8.75	--	POA	18.00	--
3"	80	474.45	10.87	--	600.83	10.50	--	1011.57	12.50	--	POA	23.00	--
4"	100	1164.07	25.00	--	1219.83	18.19	--	2047.50	27.80	--	POA	40.00	--

Socket Welding Forged Steel Fittings											ASME B16.11		
Class 3000											Carbon Steel ASTM A-105-N / ASME SA-105-N		
NOMINAL		Couplings			Reducing Couplings			Half Couplings			Pipe Caps		
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY
1/8"	3	27.41	0.13	25	----	--	--	POA	0.13	25	POA	0.06	25
1/4"	6	27.41	0.13	25	POA	0.12	25	18.66	0.13	25	21.33	0.06	25
3/8"	10	27.41	0.13	25	53.22	0.18	25	18.66	0.13	25	21.33	0.13	25
1/2"	15	15.02	0.22	25	44.69	0.34	25	16.64	0.30	25	17.50	0.21	25
3/4"	20	18.31	0.39	25	51.62	0.50	25	16.96	0.45	25	19.80	0.34	25
1"	25	20.13	0.55	25	68.69	0.73	25	23.67	0.72	25	30.01	0.53	25
1-1/4"	32	33.33	0.88	25	95.25	1.35	25	47.67	0.81	25	35.83	0.81	25
1-1/2"	40	42.13	1.28	25	99.62	1.58	25	48.10	1.00	25	48.39	1.13	25
2"	50	67.19	1.79	25	113.59	3.50	20	65.80	2.00	25	73.14	1.69	25
2-1/2"	65	124.36	2.55	--	509.92	6.20	--	POA	2.63	--	390.90	3.00	--
3"	80	294.17	4.04	--	848.24	6.50	--	355.91	3.88	--	420.39	3.63	--
4"	100	420.74	6.63	--	POA	7.00	--	POA	6.63	--	611.36	6.69	--

Reducing Threaded and Socket Weld Fittings when available are 100% extra
 Electro-Galvanized Fittings when available are 20% extra



Socket Welding Forged Steel Fittings										ASME B16.11			
Class 3000										Carbon Steel ASTM A-105-N / ASME SA-105-N			
NOMINAL PIPE SIZE		Inserts			Lateral								
NPS	ΔDN	LIST PRICE	WGT LBS	CTN QTY	LIST PRICE	WGT LBS	CTN QTY						
1/8"	3	----	--	--	----	--	--						
1/4"	6	----	--	--	----	--	--						
3/8"	10	31.46	0.20	25	----	--	--						
1/2"	15	27.30	0.20	25	POA	1.00	--						
3/4"	20	30.16	0.31	25	POA	1.50	--						
1"	25	36.70	0.42	25	POA	2.38	--						
1-1/4"	32	44.91	0.69	25	POA	3.75	--						
1-1/2"	40	53.76	0.82	25	POA	4.13	--						
2"	50	72.63	0.93	25	POA	6.28	--						
2-1/2"	65	504.60	1.60	--	----	--	--						
3"	80	605.13	3.85	--	----	--	--						
4"	100	POA	6.25	--	----	--	--						

Unions - Threaded & Socket Welding										MSS-SP83			
Steel to Steel										Carbon Steel ASTM A-105-N / ASME SA-105-N			
NOMINAL PIPE SIZE		Unions - Threaded						Unions - Socket Welding					
		3000			6000			3000			6000		
NPS	ΔDN	LIST PRICE	WGT LBS	CTN QTY	LIST PRICE	WGT LBS	CTN QTY	LIST PRICE	WGT LBS	CTN QTY	LIST PRICE	WGT LBS	CTN QTY
1/8"	3	51.13	0.38	25	----	--	--	65.60	0.38	25	----	--	--
1/4"	6	51.13	0.38	25	123.94	0.56	25	65.60	0.38	25	143.99	0.56	25
3/8"	10	51.13	0.50	25	POA	0.75	25	65.60	0.50	25	POA	0.75	25
1/2"	15	49.53	0.73	25	119.34	1.25	25	52.59	0.70	25	130.66	1.25	25
3/4"	20	56.53	1.20	25	137.79	1.75	25	61.37	1.17	25	149.21	1.75	25
1"	25	69.16	1.73	25	173.99	3.17	20	79.22	1.70	25	200.43	3.17	20
1-1/4"	32	119.88	2.61	18	POA	3.75	15	135.84	2.48	18	346.64	3.75	15
1-1/2"	40	130.82	3.42	14	356.45	6.00	9	137.93	3.37	14	393.14	6.00	9
2"	50	176.50	5.32	9	515.26	10.50	5	204.91	5.22	9	850.69	10.50	5
2-1/2"	65	334.85	8.75	--	----	--	--	480.51	8.75	--	----	--	--
3"	80	499.81	13.00	--	----	--	--	608.01	12.63	--	----	--	--
4"	100	POA	18.00	--	----	--	--	POA	17.25	--	----	--	--

Reducing Threaded and Socket Weld Fittings when available are 100% extra
 Electro-Galvanized Fittings when available are 20% extra



Socket Welding Forged Steel Fittings											ASME B16.11		
Class 6000											Carbon Steel ASTM A-105-N / ASME SA-105-N		
NOMINAL		90° Elbows			45° Elbows			Tees			Couplings		
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY
1/8"	3	----	--	--	----	--	--	----	--	--	----	--	--
1/4"	6	----	--	--	----	--	--	----	--	--	----	--	--
3/8"	10	45.87	0.80	25	----	--	--	----	--	--	----	--	--
1/2"	15	40.50	0.90	25	56.53	0.88	25	57.91	1.38	25	27.52	0.78	25
3/4"	20	45.35	1.44	25	57.70	0.88	25	69.48	1.96	25	29.81	1.26	25
1"	25	62.31	2.37	25	76.06	1.91	25	88.47	3.22	20	33.23	1.44	25
1-1/4"	32	101.65	3.19	18	203.72	2.27	20	213.31	3.75	18	97.59	1.63	25
1-1/2"	40	136.91	5.81	10	203.88	4.31	12	224.32	7.48	7	99.51	2.00	20
2"	50	206.57	6.90	--	251.74	4.81	--	287.17	8.24	--	131.76	3.88	--
2-1/2"	65	POA	11.88	--	POA	9.63	--	POA	16.63	--	POA	5.50	--
3"	80	POA	19.25	--	POA	14.25	--	POA	23.50	--	POA	6.63	--
4"	100	POA	32.70	--	POA	27.25	--	POA	33.00	--	POA	13.13	--

Socket Welding Forged Steel Fittings											ASME B16.11		
Class 6000											Carbon Steel ASTM A-105-N / ASME SA-105-N		
NOMINAL		Half Couplings			Reducing Couplings			Pipe Caps			Reducing Inserts		
PIPE SIZE		LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN	LIST	WGT	CTN
NPS	ΔDN	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY	PRICE	LBS	QTY
1/8"	3	----	--	--	----	--	--	----	--	--	----	--	--
1/4"	6	----	--	--	----	--	--	----	--	--	----	--	--
3/8"	10	----	--	--	----	--	--	----	--	--	----	--	--
1/2"	15	46.50	0.38	25	POA	0.78	25	50.13	0.38	25	POA	0.15	--
3/4"	20	48.21	0.56	25	POA	1.26	25	51.08	0.50	25	168.52	0.20	--
1"	25	49.92	1.00	25	341.09	1.44	25	51.84	1.13	25	193.58	0.50	--
1-1/4"	32	POA	1.44	25	POA	1.63	25	POA	1.13	25	POA	0.83	--
1-1/2"	40	467.48	2.00	20	604.85	2.00	20	157.42	2.25	20	629.60	0.95	--
2"	50	533.28	3.88	12	695.73	3.88	12	234.33	3.50	12	693.27	1.97	--
2-1/2"	65	POA	5.50	--	POA	5.50	--	POA	5.63	--	POA	2.20	--
3"	80	POA	6.00	--	POA	6.63	--	POA	6.00	--	POA	3.10	--
4"	100	POA	--	--	POA	13.13	--	POA	14.25	--	POA	--	--

Reducing Threaded and Socket Weld Fittings when available are 100% extra
 Electro-Galvanized Fittings when available are 20% extra