

Forged Carbon Steel Threaded Fittings

ASTM A105, ASME B16.11, ASME B1.20.1

CAPITOL
manufacturing



90° Threaded Elbows

1/8" to 4" Class 2000
1/8" to 4" Class 3000
1/8" to 4" Class 6000

45° Threaded Elbows

1/4" to 4" Class 2000
1/8" to 4" Class 3000
1/8" to 4" Class 6000

Threaded TEES

1/8" to 4" Class 2000
1/8" to 4" Class 3000
1/8" to 4" Class 6000

Threaded Crosses

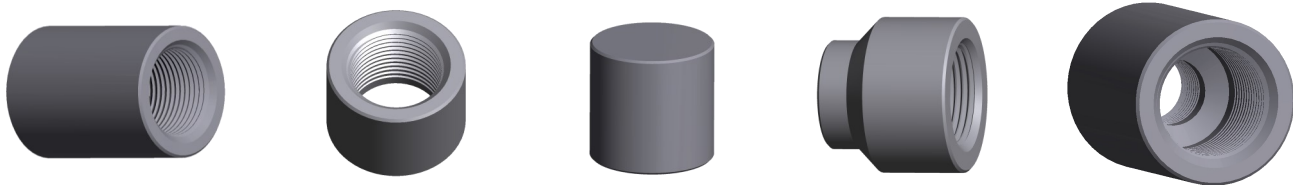
1/8" to 4" Class 2000
1/8" to 4" Class 3000
1/8" to 3" Class 6000

Threaded Street Elbows

1/8" to 2" Class 3000
1/4" to 1 1/2" Class
6000

Threaded Laterals

1/2 to 2" Class 3000
3/4" to 1 1/2" Class 6000



Threaded Couplings

1/8" to 4" Class 3000
1/8" to 4" Class 6000

Threaded Half Couplings

1/8" to 4" Class 3000
1/8" to 4" Class 6000

Threaded Pipe Caps

1/8" to 4" Class 3000
1/8" to 4" Class 6000

Threaded Couplers

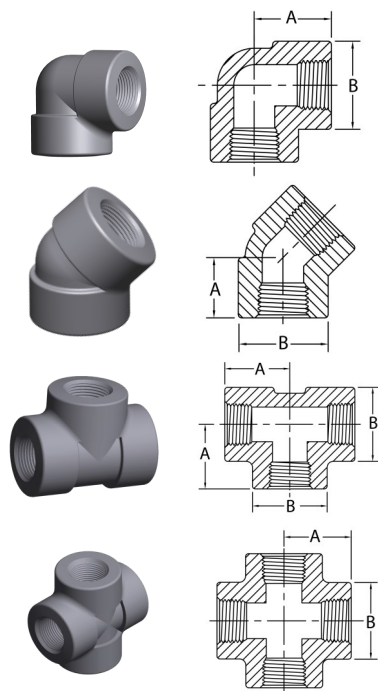
1/4" to 4" Class 3000
1/4" to 4" Class 6000

Threaded Reducing Couplings

1/4" to 4" Class 3000
1/4" to 4" Class 6000

Class 2000 Forged Carbon Steel Threaded Fittings

ASTM A105, ASME B16.11, ASME B1.20.1



90 Degree Elbows

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	0.810	0.810	0.970	1.120	1.310	1.500	1.750	2.000	2.380	3.000	3.380	4.190
B	0.880	0.880	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.690	4.310	5.750
Wt. Ea.	0.38	0.34	0.28	0.49	0.70	1.03	1.63	2.04	3.38	6.56	10.00	22.50

45 Degree Elbows

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A		0.690	0.750	0.880	1.000	1.120	1.310	1.380	1.690	2.060	2.500	3.120
B		0.880	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.690	4.310	6.000
Wt. Ea.		0.14	0.23	0.45	0.59	0.90	1.40	1.65	2.63	7.63	12.00	19.75

Tees

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	0.810	0.810	0.970	1.120	1.310	1.500	1.750	2.000	2.380	3.000	3.380	4.190
B	0.880	0.880	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.620	4.310	5.750
Wt. Ea.	0.28	0.26	0.34	0.69	0.95	1.35	2.10	2.75	4.25	9.06	13.50	32.50

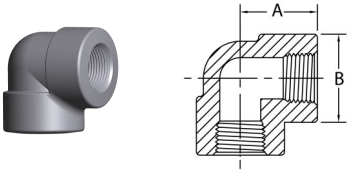
Crosses

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	*2-1/2	*3	*4
A	0.970	0.970	0.970	1.120	1.310	1.500	1.750	2.000	2.380	3.250	3.750	4.500
B	1.000	1.000	1.000	1.310	1.500	1.810	2.190	2.440	2.970	4.000	4.750	6.000
Wt. Ea.	0.52	0.51	0.50	0.80	1.05	1.65	2.35	3.28	5.00	17.20	22.10	34.13

* 2-1/2, 3 and 4 are not to ASME B16.11

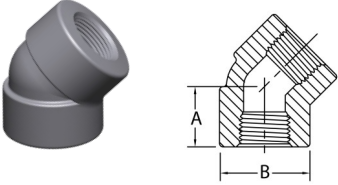
Class 6000 Forged Carbon Steel Threaded Fittings

ASTM A105, ASME B16.11, ASME B1.20.1



90 Degree Elbows

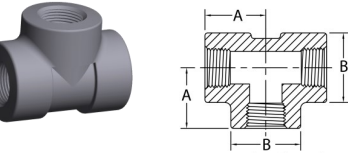
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	0.970	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.190	4.500
B	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	5.750	6.000
Wt. Ea.	0.38	0.66	1.45	1.59	2.54	3.56	5.88	7.06	13.00	21.78	36.22	36.22



45 Degree Elbows

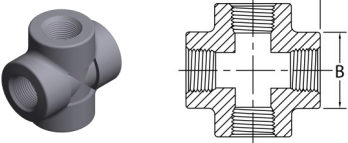
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	* 3	4
A	0.750	0.880	1.000	1.120	1.310	1.380	1.690	1.720	2.060	2.500	3.120	3.120
B	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000	6.000
Wt. Ea.	0.25	0.59	0.85	1.34	2.25	2.59	4.56	5.75	9.63	11.00	35.00	22.00

* 3 is not to ASME B16.11



Tees

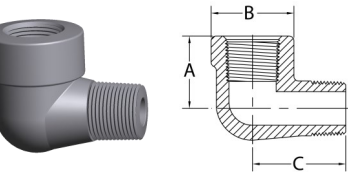
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	0.970	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.190	4.500
B	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	5.750	6.000
Wt. Ea.	0.44	0.92	1.38	2.16	3.63	4.83	7.75	9.75	17.38	28.90	49.60	49.60



Crosses

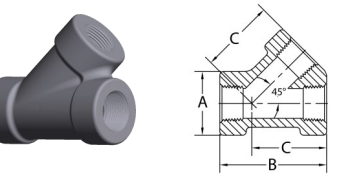
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	* 3	4
A	0.970	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.500	4.500
B	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000	6.000
Wt. Ea.	0.50	1.12	1.55	2.59	4.21	5.64	9.58	11.39	21.37	25.45	32.10	34.13

* 3 is not to ASME B16.11



Street Elbows

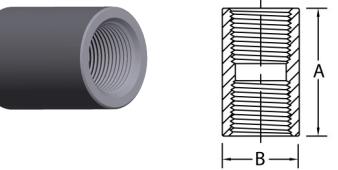
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A		1.000	1.120	1.380	1.750	2.000	2.120	2.500				
B		1.250	1.500	1.750	2.000	2.440	2.750	3.310				
C		1.500	1.620	1.880	2.250	2.620	2.810	3.310				
Wt. Ea.		0.50	0.99	1.02	1.84	2.45	3.60	6.55				



Laterals

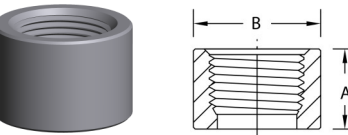
Laterals not covered by ASME B16.11

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A					2.219	2.500	3.030	3.344				
B					4.813	5.375	6.438	6.625				
C					3.500	3.938	4.750	5.000				
Wt. Ea.					1.84	1.90	5.60	7.50				



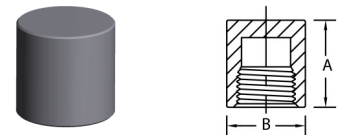
Couplings

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	1.250	1.375	1.500	1.875	2.000	2.375	2.625	3.125	3.375	3.625	4.250	4.750
B	0.875	1.000	1.250	1.500	1.750	2.250	2.500	3.000	3.625	4.250	5.000	6.250
Wt. Ea.	0.18	0.14	0.40	0.69	0.90	1.88	2.31	4.00	6.20	9.25	13.44	22.13



Half Couplings

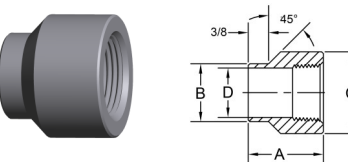
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	0.625	0.688	0.750	0.938	1.000	1.188	1.312	1.562	1.688	1.812	2.125	2.375
B	0.875	1.000	1.250	1.500	1.750	2.250	2.500	3.000	3.625	4.250	5.000	6.250
Wt. Ea.	0.09	0.07	0.20	0.35	0.45	0.94	1.15	2.00	3.75	4.62	6.72	11.06



Pipe Caps

Pipe Size	* 1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	0.875	1.125	1.125	1.375	1.562	1.750	1.844	1.968	2.219	2.531	2.750	3.062
B	0.875	1.062	1.250	1.500	1.750	2.250	2.500	3.000	3.625	4.250	5.000	6.250
Wt. Ea.	0.13	0.21	0.35	0.42	0.58	1.16	1.40	2.14	3.62	8.10	11.70	20.00

* 1/8 is not to ASME B16.11



Couplets

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A		1.188	1.188	1.313	1.375	1.688	1.875	2.000	2.250	2.500	2.750	3.000
B		0.688	0.813	0.938	1.063	1.313	1.688	1.938	2.438	2.875	3.500	4.500
C		1.000	1.250	1.500	1.750	2.250	2.500	3.000	3.625	4.250	5.000	6.250
D		0.433	0.566	0.700	0.907	1.137	1.480	1.719	2.192	2.613	3.234	4.227
Wt. Ea.		0.35	0.42	0.50	0.60	0.85	1.20	1.40	1.90	2.20	3.60	