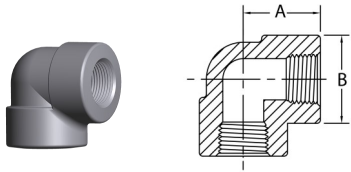


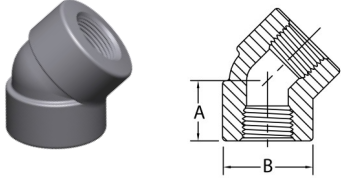
# Class 3000 Forged Carbon Steel Threaded Fittings

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



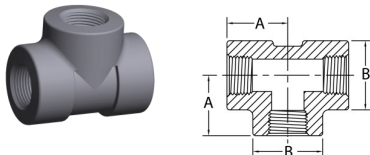
## 90 Degree Elbows

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	0.970	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.500
B	0.880	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000
Wt. Ea.	0.21	0.31	0.60	0.91	1.43	2.28	2.88	4.88	5.44	10.00	17.13	29.25



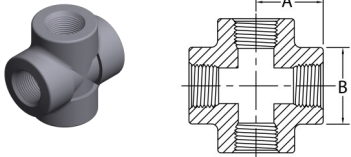
## 45 Degree Elbows

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	1.720	2.060	2.500	3.120
B	0.880	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000
Wt. Ea.	0.18	0.26	0.54	0.75	1.18	2.03	2.13	4.05	4.25	7.63	12.00	19.75



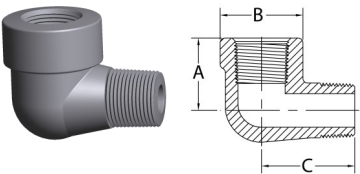
## Tees

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	0.970	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.500
B	0.880	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000
Wt. Ea.	0.28	0.43	0.84	1.23	1.85	3.00	3.63	6.83	7.00	13.75	21.00	38.00



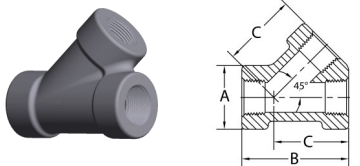
## Crosses

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	1.120	1.310	1.500	1.750	2.000	2.380	2.500	3.250	3.750	4.500
B	1.000	1.000	1.310	1.500	1.810	2.190	2.440	2.970	3.310	4.000	4.750	6.000
Wt. Ea.	0.51	0.50	0.96	1.43	2.30	3.73	4.40	8.13	8.31	16.94	20.75	34.13



## Street Elbows

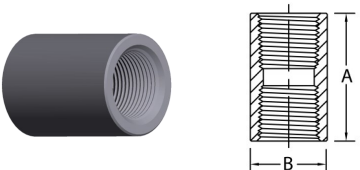
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	0.880	0.880	1.000	1.120	1.380	1.750	2.000	2.120	2.500			
B	0.875	1.000	1.250	1.500	1.750	2.000	2.440	2.750	3.310			
C	1.250	1.250	1.500	1.620	1.880	2.250	2.620	2.810	3.310			
Wt. Ea.	0.20	0.25	0.36	0.53	0.85	1.38	2.25	2.81	5.09			



## Laterals

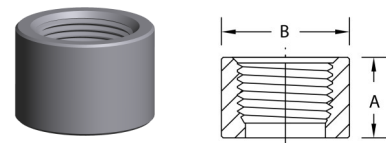
Laterals not covered by ASME B16.11

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				1.500	1.750	2.219	2.500	3.030	3.344			
B				2.500	3.000	4.813	5.375	6.438	6.625			
C				1.750	2.125	3.500	3.938	4.750	5.000			
Wt. Ea.				1.12	1.50	2.62	3.10	11.00	11.00			



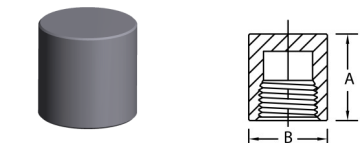
## Couplings

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	0.625	0.750	0.875	1.125	1.375	1.750	2.250	2.500	3.000	3.625	4.250	5.500
Wt. Ea.	0.11	0.10	0.13	0.28	0.42	0.85	1.50	2.19	3.02	4.56	6.79	12.00



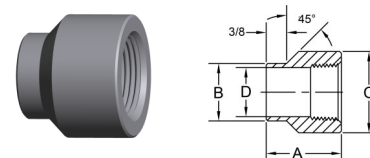
## Half Couplings

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	0.625	0.750	0.875	1.125	1.375	1.750	2.250	2.500	3.000	3.625	4.250	5.500
Wt. Ea.	0.06	0.05	0.06	0.14	0.21	0.43	0.75	1.09	1.57	2.28	3.40	6.00



## 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	0.812	1.062	1.062	1.312	1.500	1.687	1.781	1.937	2.250	2.375	2.562	2.687
B	0.750	0.750	0.875	1.125	1.375	1.750	2.250	2.500	3.000	3.625	4.250	5.500
Wt. Ea.	0.08	0.09	0.11	0.24	0.39	0.72	1.32	1.54	2.34	4.05	5.84	10.08



## 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		0.938	1.063	1.313	1.500	1.813	2.188	2.500	3.125	3.625	4.375	5.563
D		0.433	0.566	0.700	0.906	1.137	1.480	1.720	2.193	2.614	3.234	4.227
Wt. Ea.		0.12	0.14	0.26	0.26	0.52	0.82	1.06	1.54	2.40	6.70	7.30