

Class 150 and 1000 Stainless Steel Threaded Fittings

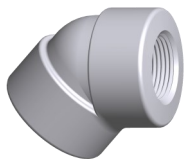
CAMCO

ASTM A351 304 Grade CF-8 or ASTM A351 316 Grade CF-8M, MSS SP-114, ASME B1.20.1

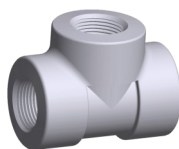
ASTM A182 F304/304L or F316/F316L, MSS SP-114, ASME B1.20.1



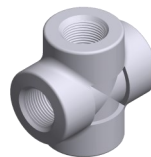
90° Threaded Elbows
1/8" to 4" Class 150



45° Threaded Elbows
1/8" to 4" Class 150



Threaded TEEs
1/8" to 4" Class 150



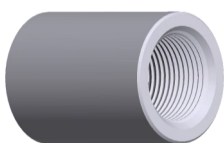
Threaded Crosses
1/8" to 4" Class 150



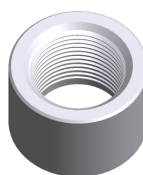
Threaded Street Elbows
1/8" to 4" Class 150



Locknuts
1/8" to 4" Class 150



Threaded Couplings
1/8" to 4" Class 1000



Threaded Half Couplings
1/8" to 4" Class 1000



Threaded Pipe Caps
1/8" to 2" Class 1000
2-1/2" to 4" Class 150



Threaded Hex Bushings
2-1/2" to 4" Class 150



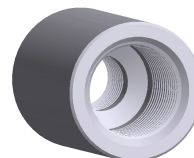
Threaded Hex Head Pipe Plugs
1/8" to 4" Class 1000



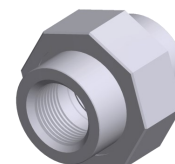
Threaded Square Head Pipe Plugs
1/8" to 4" Class 1000



Welding Spuds
1/4" to 4" Class 1000



Threaded Reducing Couplings
1/4" to 4" Class 1000
2-1/2" to 4" Class 150

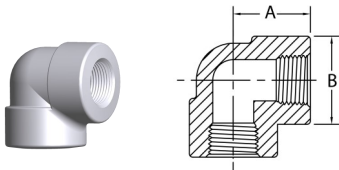


Threaded Pipe Unions
1/8" to 2" Class 1000
2-1/2" to 4" Class 150

Class 150 Stainless Steel Threaded Fittings

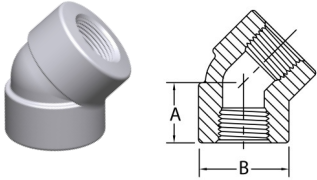
ASTM A351 304 Grade CF-8 or ASTM A-351 316 Grade CF-8M, MSS SP-114, ASME B1.20.1

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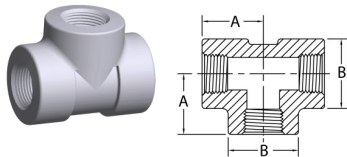
90 Degree Elbows

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	0.81	0.970	1.120	1.310	1.500	1.750	1.930	2.250	2.680	3.060	3.810
B	0.870	0.870	1.040	1.220	1.500	1.810	2.190	2.500	3.000	3.500	4.120	5.120
Wt. Ea.	0.13	0.10	0.14	0.28	0.45	0.88	1.25	1.68	2.68	5.10	7.00	10.80



45 Degree Elbows

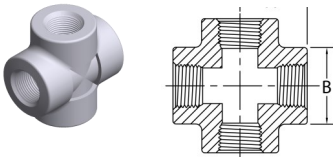
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	0.680	0.680	0.750	0.870	1.000	1.120	1.310	1.430	1.680	1.930	2.180	2.620
B	0.870	0.870	1.040	1.220	1.500	1.810	2.190	2.500	3.000	3.500	4.120	5.120
Wt. Ea.	0.12	0.16	0.11	0.24	0.36	0.66	0.98	1.52	2.36	4.08	5.76	10.10



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	0.870	1.120	1.310	1.600	1.750	1.930	2.250	2.680	3.060	3.810
B	0.970	0.970	1.040	1.220	1.500	1.810	2.190	2.500	3.000	3.500	4.120	5.120
Wt. Ea.	0.19	0.13	0.20	0.38	0.57	1.15	1.69	2.16	3.70	6.65	9.20	17.00

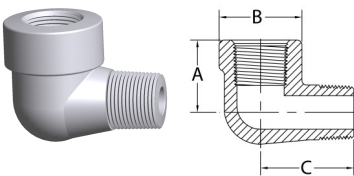
* 1/8, 1/4 and 3/8 are made from wrought material and conform to Class 1000



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	0.840	0.840	0.970	1.120	1.310	1.500	1.750	1.930	2.250	2.680	3.060	3.810
B	0.880	0.880	1.040	1.220	1.500	1.810	2.190	2.500	3.000	3.500	4.120	5.120
Wt. Ea.	0.35	0.29	0.38	0.79	1.12	1.28	2.08	3.00	4.36	7.10	11.00	19.20

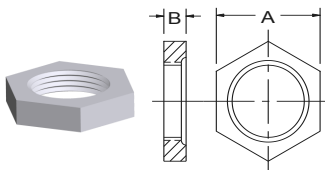
* 1/8, 1/4 and 3/8 are made from wrought material and conform to Class 1000



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	0.750	0.810	0.970	1.120	1.310	1.500	1.750	1.930	2.250	2.680	3.060	3.810
B	0.750	0.870	1.010	1.210	1.460	1.770	2.150	2.430	2.960	3.310	4.000	5.060
C	1.060	1.180	1.430	1.620	1.870	2.120	2.500	2.750	3.250	3.870	4.500	5.680
Wt. Ea.	0.09	0.15	0.20	0.32	0.51	0.82	1.24	1.94	2.90	4.80	8.00	12.40

* 1/8, 1/4 and 3/8 are made from wrought material and conform to Class 1000



Locknuts

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	0.840	1.000	1.180	1.430	1.750	2.100	2.350	2.880	3.860	4.620	5.790
B	0.190	0.250	0.280	0.310	0.340	0.380	0.420	0.470	0.530	0.590	0.670	0.800
Wt. Ea.	0.03	0.03	0.05	0.06	0.10	0.14	0.21	0.34	0.44	0.80	1.30	2.00

Sizes m Sizes marked "*" are cast and conform to Class 150 and 1000

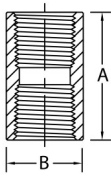
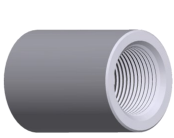
All sizes except those marked "*" are made from wrought material and conform to Class 1000

Class 1000 Stainless Steel Threaded Fittings

ASTM A182, F304/F304L or F316/316L, MSS SPP-114, ASME B1.20.1

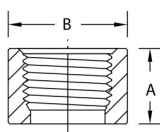
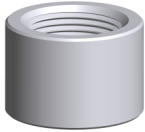
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Note: All Class 1000 Fittings may be used in Class 150 applications



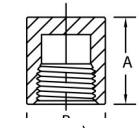
Couplings

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	1.010	1.125	1.188	1.500	1.562	1.750	2.015	2.135	2.515	2.885	3.195	3.695
B	0.562	0.750	0.875	1.062	1.312	1.625	1.875	2.188	2.750	3.375	4.125	5.125
Wt. Ea.	0.04	0.08	0.10	0.18	0.27	0.43	0.58	0.70	1.31	2.51	4.18	6.18



Half Couplings

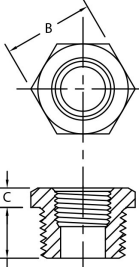
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	4
A	0.507	0.507	0.567	0.697	0.757	0.817	1.007	1.067	1.257	1.442	1.597	1.847
B	0.562	0.750	0.875	1.062	1.312	1.625	1.875	2.188	2.750	3.375	4.125	5.125
Wt. Ea.	0.02	0.04	0.05	0.09	0.13	0.21	0.29	0.35	0.65	1.25	2.09	3.09



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	0.688	0.688	0.812	0.937	1.062	1.312	1.625	1.625	1.750	2.125	2.375	2.625
B	0.562	0.750	0.875	1.062	1.312	1.625	1.875	2.188	2.75	3.625	4.312	5.500
Wt. Ea.	0.03	0.06	0.09	0.14	0.24	0.40	0.74	0.91	1.35	2.05	3.36	6.40

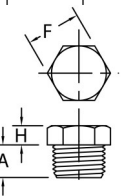
Sizes marked "*" are cast and conform to Class 150



Hex Bushings

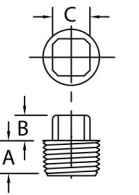
Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2 *	3 *	4 *
A										1.125	1.312	1.250
B										3.000	3.625	4.625
C										0.500	0.562	0.600
Wt. Ea.										2.37	3.50	8.31

Sizes marked "*" are cast and conform to Class 150



Pipe Plugs, Hex Head

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	0.437	0.593	0.593	0.781	0.781	0.968	1.000	1.000	1.062	1.125	1.375	1.562
F	0.437	0.625	0.687	0.875	1.062	1.375	1.750	2.000	2.500	3.000	3.625	4.625
H	0.250	0.250	0.310	0.310	0.380	0.380	0.560	0.620	0.690	0.500	0.562	0.687
Wt. Ea.	0.06	0.06	0.07	0.19	0.30	0.59	1.10	1.54	2.54	2.34	6.24	11.00



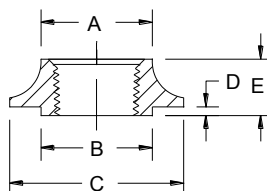
Pipe Plugs, Square Head

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	0.395	0.455	0.515	0.580	0.640	0.770	0.830	0.830	0.910	1.062	1.188	1.250
B	0.250	0.250	0.310	0.380	0.440	0.500	0.560	0.620	0.690	0.750	0.875	1.000
C	0.295	0.405	0.465	0.575	0.645	0.835	0.965	1.145	1.335	1.500	1.875	2.500
Wt. Ea.	0.02	0.03	0.06	0.13	0.19	0.31	0.56	0.88	1.50	2.25	2.87	7.18

Class 1000 Stainless Steel Threaded Fittings

ASTM A182, F304/F304L or F316/316L, MSS SPP-114, ASME B1.20.1

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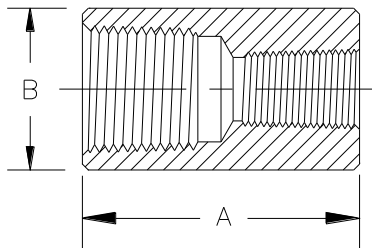
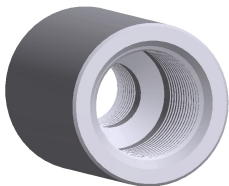
Welding Spuds

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2	2-1/2	3	3-1/2	4
A	0.880	1.000	1.060	1.120	1.440	1.750	2.130	2.380	2.880	3.310	3.940	4.438	4.940
B	0.840	0.970	0.940	1.160	1.340	1.700	1.940	2.310	2.690	3.190	3.690	4.188	4.750
C	1.380	1.500	1.620	1.810	2.060	2.380	2.500	3.030	3.380	4.060	4.620	5.125	5.81
D	0.080	0.120	0.120	0.160	0.160	0.190	0.190	0.190	0.190	0.190	0.190	0.190	0.190
E	0.470	0.500	0.500	0.630	0.750	0.830	0.880	0.880	0.810	1.000	1.000	1.000	1.25
Wt. Ea.	0.08	0.10	0.11	0.14	0.25	0.33	0.49	0.55	0.63	1.18	1.30	1.60	1.95

Class 1000 Stainless Steel Threaded Reducing Couplings

CAMCO

ASTM A182 F304/304L or ASTM A182 F316/F316L, MSS SP-114, ASME B1.20.1



SIZE	A	B	Approx.
1/4 X 1/8	1.125	0.750	0.08
3/8 X 1/8	1.188	0.875	0.10
3/8 X 1/4			
1/2 X 1/8	1.5	1.062	0.18
1/2 X 1/4			
1/2 X 3/8			
3/4 X 1/8	1.562	1.312	0.27
3/4 X 1/4			
3/4 X 3/8			
3/4 X 1/2			
1 X 1/8			
1 X 1/4	1.750	1.625	0.43
1 X 3/8			
1 X 1/2			
1 X 3/4			
1-1/4 X 1/8			
1-1/4 X 1/4	2.015	1.875	0.58
1-1/4 X 3/8			
1-1/4 X 1/2			
1-1/4 X 3/4			
1-1/4 X 1			
1-1/2 X 1/8	2.135	2.188	0.70
1-1/2 X 1/4			
1-1/2 X 3/8			
1-1/2 X 1/2			
1-1/2 X 3/4			
1-1/2 X 1			
1-1/2 X 1-1/4			
2 X 1/8			
2 X 1/4	2.515	2.750	1.31
2 X 3/8			
2 X 1/2			
2 X 3/4			
2 X 1			
2 X 1-1/4			
2 X 1-1/2			

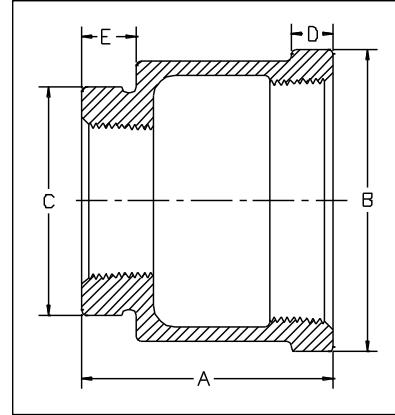
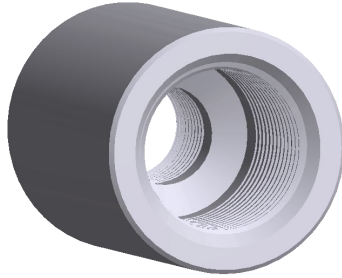
SIZE	A	B	Approx.
2-1/2 X 1/8	2.885	3.375	2.51
2-1/2 X 1/4			
2-1/2 X 3/8			
2-1/2 X 1/2			
2-1/2 X 3/4			
2-1/2 X 1			
2-1/2 X 1-1/4			
2-1/2 X 1-1/2			
2-1/2 X 2	3.195	4.125	4.18
3 X 1/8			
3 X 1/4			
3 X 3/8			
3 X 1/2			
3 X 3/4			
3 X 1			
3 X 1-1/4			
3 X 1-1/2			
3 X 2	3.695	5.125	6.18
3 X 2-1/2			
4 X 1/8			
4 X 1/4			
4 X 3/8			
4 X 1/2			
4 X 3/4			
4 X 1			
4 X 1-1/4			
4 X 1-1/2			
4 X 2			
4 X 2-1/2			
4 X 3			
4 X 3-1/2			

All above sizes are made from wrought material and conform to Class 1000. May be used in Class 150 applications.

Class 150 Stainless Steel Threaded Reducing Couplings

ASTM A351 304 Grade CF-8 or ASTM A-351 316 Grade CF-8M, MSS SP-114, ASME B1.20.1

CAMCO



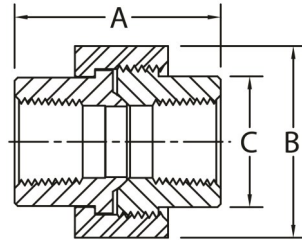
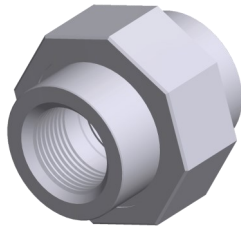
SIZE	A MIN	B MIN	C MIN	D MIN	E MIN	Approx. Wt.
2-1/2 X 1	3.25	3.31	2.96	0.48	0.42	3.50
2-1/2 X 1-1/4						3.40
2-1/2 X 1-1/2						3.28
2-1/2 X 2						2.96
3 X 1	3.68	4.00	3.31	0.55	0.48	5.80
3 X 1-1/4						5.70
3 X 1-1/2						5.65
3 X 2						5.28
3 X 2-1/2						5.15
4 X 1	4.38	5.06	4.00	0.66	0.55	N/A
4 X 1-1/4						N/A
4 X 1-1/2						N/A
4 X 2						10.0
4 X 2-1/2						10.0
4 X 3						9.10

Class 150 and Class 1000 Stainless Steel Threaded Unions

CAMCO

ASTM A351 304 Grade CF-8 or ASTM A351 316 Grade CF-8M, MSS SP-114, ASME B1.20.1

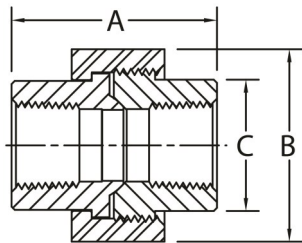
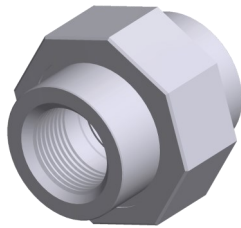
ASTM A182 F304/304L or F316/F316L, MSS SP-114, ASME B1.20.1



Class 150

ASTM A351 304 Grade CF-8 or ASTM A351 316 Grade CF-8M, MSS SP-114, ASME B1.20.1

Pipe Size	2-1/2	3	4
A	3.800	4.125	4.375
B	4.500	5.375	6.750
C	3.250	3.937	5.125
Wt. Ea.	5.30	8.56	12.70



Class 1000

ASTM A182 F304/F304L or F316/F316L, MSS SP-114, ASME B1.20.1

Pipe Size	1/8	1/4	3/8	1/2	3/4	1	1-1/4	1-1/2	2
A	1.320	1.500	1.720	1.930	2.180	2.400	2.660	3.180	3.125
B	1.250	1.250	1.375	1.562	1.875	2.25	2.688	2.937	3.563
C	0.755	0.755	0.905	1.062	1.312	1.595	2.000	2.280	2.755
Wt. Ea.	0.24	0.20	0.20	0.38	0.58	0.90	1.40	2.02	