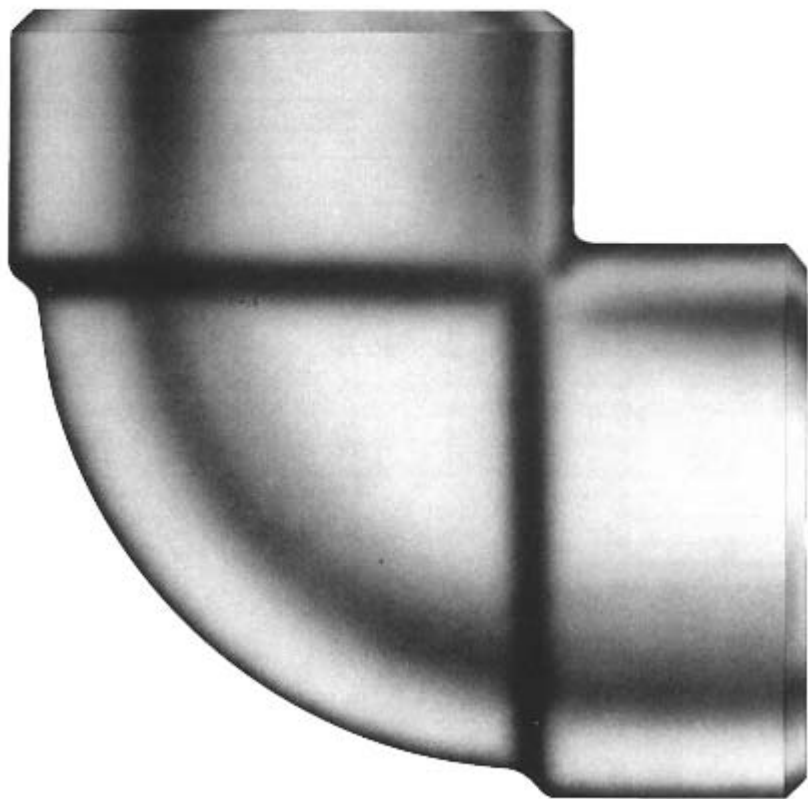


Medallion Pipe

FORGED STAINLESS & ALLOY STEEL
Threaded and Socket Welding
FITTINGS & UNIONS



INCHES/METRIC

Medallion Pipe



90° ELBOW



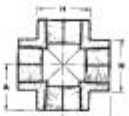
TEE



STREET ELBOW



45° ELBOW



CROSS



UNION

NPS	ELBOWS				TEES		CROSSES				UNIONS	
	CLASS 2000				CLASS 3000				CLASS 3000			
	A	C	H	S min.	A	B	C	H	S min.	L	K	
1/8	.81	.69	.88	.125	.81	1	.69	.88	.125	1.88	1.44	
3	21	17	22	3.0	21	25	17	22	3.0	47.8	36.6	
1/4	.81	.69	.88	.125	.97	1.25	.75	1.00	.130	1.88	1.44	
6	21	17	22	3.0	25	31	19	25	3.5	47.8	36.6	
3/8	.97	.75	1.00	.125	1.12	1.5	.88	1.31	.138	2.03	1.81	
10	25	19	25	3.0	29	38	22	29	3.5	51.6	46.0	
1/2	1.12	.88	1.31	.125	1.31	1.62	1.00	1.50	.151	2.19	1.88	
15	29	22	33	3.0	33	41	25	38	4.0	55.6	47.8	
3/4	1.31	1.00	1.50	.125	1.50	1.88	1.12	1.81	.170	2.31	2.19	
20	33	25	38	3.0	38	48	30	46	4.5	58.7	55.6	
1	1.50	1.12	1.81	.145	1.75	2.25	1.31	2.19	.196	2.44	2.60	
25	38	29	46	3.5	44	57	33	56	5.0	62.0	68.3	
1 1/4	1.75	1.31	2.19	.153	2.00	2.5	1.38	2.44	.208	2.78	3.16	
32	44	33	56	4.0	51	64	35	2	5.5	70.6	80.2	
1 1/2	2.00	1.38	2.44	.158	2.38	2.81	1.60	2.97	.219	3.12	3.38	
40	51	35	62	4.0	60	71	43	75	5.5	79.2	85.8	
2	2.38	1.59	2.97	.168	2.50	3.31	1.72	3.31	.281	3.56	4.12	
50	60	43	75	4.5	64	84	45	84	7.0	90.4	104.6	

* Class 3000 laterals are available on request.

* Not covered by ANSI B16.11

* Measured across octagon flats

For weights of fittings, refer to back cover.

Sizes other than those shown are available on request.

Medallion Pipe



COUPLING



REDUCING COUPLING



HALF COUPLING



CAP



HEX HEAD BUSHING



HEX HEAD PLUG



ROUND HEAD PLUG

CLASS 2000, 3000

Approximate Weights

THREADED

FITTINGS¹

ASME B16.11

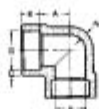
ANSI B2.1

ASTM A-182

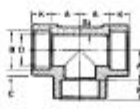
NPS	DN	COUPLINGS, CAPS					BUSHINGS, PLUGS					THREAD LENGTH J IN.
		CLASS 3000					HEX HEAD BUSHING		HEX HEAD PLUG		ROUND HEAD PLUG	
		W	D	P	G MIN.	F	M MIN.	F	R MIN.	T MIN.	E	
1/8	3	1.25	.62	.75	.19	.44	-	.44	.25	1.38	.41	.38
		.32	.16	.19	5.0	11.0	-	1.0	6	.95	.10	9.5
1/4	6	1.38	.75	1.00	.19	.62	.12	.62	.25	1.62	.53	.44
		.35	.19	.25	5.0	16.0	3	16.0	6	.41	.13	11.0
3/8	10	1.50	.88	1.00	.19	.69	.16	.69	.31	1.62	.69	.50
		.38	.22	.25	5.0	17.5	4	17.5	8	.41	.17	12.5
1/2	15	1.88	1.12	1.25	.25	.88	.19	.88	.31	1.75	.84	.56
		.48	.30	.32	6.5	22.0	5	22.0	9	.44	.21	14.5
3/4	20	2.00	1.38	1.44	.25	1.06	.22	1.06	.38	1.75	1.06	.62
		.51	.35	.37	6.5	27.0	6	27.0	10	.44	.27	16.0
1	25	2.38	1.75	1.62	.38	1.38	.25	1.38	.38	2.00	1.31	.75
		.60	.44	.41	9.5	35.0	8	35.0	10	.51	.33	19.0
1 1/4	32	2.62	2.25	1.75	.38	1.75	.26	1.75	.56	2.00	1.69	.81
		.67	.57	.44	9.5	44.5	7	44.5	14	.51	.43	20.5
1 1/2	40	3.12	2.50	1.75	.44	2.00	.31	2.00	.62	2.00	1.91	.81
		.79	.64	.44	11.0	51.0	8	51.0	16	.51	.48	20.5
2	50	3.38	3.00	1.88	.50	2.50	.34	2.50	.69	2.50	2.38	.88
		.86	.76	.48	12.5	63.5	9	63.5	17	.64	.60	22.0

Note: ANSI does not assign any Class rating to Bushings and Plugs.

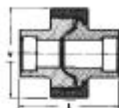
Medallion Pipe



90° ELBOW



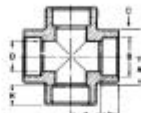
TEE



* UNION



45° ELBOW



CROSS

ELBOWS			TEES			CROSSES			UNIONS	
NPS	DN	B min.	K min.	D min.	C min.	A	T	S min.	L	W
1/8	3	.420	.38	.259	.125	.44	.31	.095	1.88	1.44
		10.65	10	6.1	3.20	11.0	8.0	2.40	47.6	36.6
1/4	6	.555	.38	.334	.190	.44	.31	.119	1.88	1.44
		14.10	10	8.5	3.90	11.0	8.0	3.00	47.6	36.6
3/8	10	.690	.38	.463	.198	.53	.31	.126	2.03	1.81
		17.55	10	11.8	3.90	13.5	8.0	3.20	51.6	46.0
1/2	15	.855	.38	.592	.161	.62	.44	.147	2.19	1.88
		21.70	10	15.0	4.10	15.5	11.5	3.75	55.6	47.8
3/4	20	1.065	.50	.794	.168	.75	.50	.154	2.31	2.19
		27.05	13	20.2	4.25	19.5	12.5	3.90	58.7	55.6
1	25	1.330	.50	1.019	.195	.88	.56	.173	2.44	2.59
		33.80	13	25.9	5.00	22.0	14.0	4.55	62.0	65.3
1 1/4	32	1.675	.50	1.350	.208	1.06	.69	.191	2.78	3.15
		42.55	13	34.3	5.30	27.0	17.0	4.85	70.6	80.3
1 1/2	40	1.915	.50	1.580	.218	1.25	.81	.200	3.12	3.58
		48.65	13	40.1	5.55	32.0	21.0	5.10	79.2	85.8
2	50	2.406	.62	2.037	.238	1.60	1.00	.218	3.56	4.12
				51.7	6.05		25.0	5.55	90.4	104.6

* Not covered by ANSI B16.11.

† Measured across octagon flats.

Tolerances:

[†]A NPS 1/8-1/4 ±.03

[†]T DN 3-6 ±.8

NPS 3/8-3/4 ±.06

DN 10-20 ±1.5

NPS 1-2 ±.08

DN 25-50 ±2.0

[†]B NPS 1/8-2 +.01-0

DN 3-50 +.25-0

[†]D NPS 1/8-2 +.06-0

DN 3-50 +.15-0

Medallion Pipe

CLASS 3000

Forged Stainless & Alloy Steel

*SOCKET WELDING FITTINGS

ANSI B16.11
ASTM A-182



ELBOWS		TEES			CROSSES		UNIONS	
NPS	DN	"B min.	"E	"F	K min.	"D min.	C min.	G
1/8	3	.420	.25	.32	.38	.259	.125	.33
		10.65	6.50	16.0	10	6.1	3.30	15.9
1/4	6	.555	.35	.42	.38	.334	.150	.49
		14.10	6.50	16.0	10	8.5	3.30	17.4
3/8	10	.690	.45	.59	.38	.463	.188	.75
		17.55	6.5	17.5	10	11.8	3.50	19.1
1/2	15	.855	.58	.78	.38	.592	.161	.88
		21.70	9.5	22.5	10	15.0	4.10	22.2
3/4	20	1.055	.78	.94	.50	.734	.168	1.00
		27.05	9.5	29.5	13	20.2	4.25	25.4
1	25	1.330	.90	1.12	.50	1.019	.195	1.05
		33.80	13.0	29.0	13	25.9	5.00	27.0
1 1/4	32	1.675	.90	1.19	.50	1.350	.208	1.19
		42.55	13.0	30.0	13	34.3	5.30	30.2
1 1/2	40	1.915	.90	1.25	.50	1.580	.218	1.25
		48.65	13.0	32.0	13	40.1	5.55	31.8
2	50	2.405	.75	1.52	.62	2.037	.238	1.5
		61.10	19.0	41.0	16	51.7	6.05	38.1

* Class 3000 Socket Welding Fittings in grades A182-F11 and F22 are available from stock.

Class 3000 Lateralis are available on request.

▲ Socket Welding Caps are not specified in ANSI B16.11.

For weights refer to back cover.

Sizes other than those shown are available on request.

Tolerances:

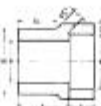
"E	NPS	1/8-1/4	±.06	"F	NPS	1/8-1/4	±.03
	DN	3-6	± 1.5		DN	3-6+	± 1.0
	NPS	3/8-3/4	±.12		NPS	3/8-3/4	±.06
	DN	10-20	±3.0		DN	10-20	±1.5
	NPS	1-2	±.16		NPS	1-2+	±.08
	DN	25-50	±4.0		DN	25-50	±2.0

To minimize the possibility of cracking of the fillet welds, it is recommended that the pipe be withdrawn approximately .06 in. (1.5 mm) away from contact with the bottom of the socket before starting the weld.

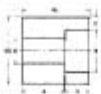
Medallion Pipe



TYPE 1



TYPE 2



Class 3000 Forged Stainless & Alloy Steel *SOCKET-WELDING REDUCER INSERTS

MSS SP-79
ASTM A-182

NPS	DN	SOCKET		SHANK	CLASS 3000 FOR USE WITH SCH. 40 & 80 PIPE						
		DIA. 'B'	DEPTH K min.	DIA. 'D'	TYPE	'A'	'D'	C min.	SL	RL	
1/2 x 1/4	15 x 6	.580	.38	.840	1	.81	.36	1.49	.82	-	
3/4 x 1/2	20 x 15	21.84	9.52	21.34	1	20.5	9.14	3.78	15.75	-	
1 x 3/4	25 x 20	27.18	12.70	26.67	1	25.8	12.08	4.90	19.05	-	
1 1/4 x 1	32 x 25	33.91	12.70	32.40	1	32.4	12.70	5.69	22.22	-	
1 1/2 x 1 1/4	40 x 32	42.67	12.7	42.16	1	41.7	12.7	6.07	22.22	-	
2 x 1 1/2	50 x 40	48.77	12.70	48.32	1	47.8	12.70	6.35	25.40	-	
2 1/2 x 2	63 x 50	59.14	12.70	58.32	1	57.4	12.70	6.35	25.40	-	
3 x 2 1/2	76 x 63	69.51	12.70	68.32	1	67.6	12.70	6.35	25.40	-	
3 1/2 x 3	89 x 76	79.88	12.70	78.32	1	77.9	12.70	6.35	25.40	-	
4 x 3 1/2	102 x 89	90.25	12.70	88.32	1	88.3	12.70	6.35	25.40	-	
4 1/2 x 4	114 x 102	100.62	12.70	98.32	1	97.4	12.70	6.35	25.40	-	
5 x 4 1/2	127 x 114	110.99	12.70	108.32	1	107.6	12.70	6.35	25.40	-	
5 1/2 x 5	140 x 127	121.36	12.70	118.32	1	117.0	12.70	6.35	25.40	-	
6 x 5 1/2	152 x 140	131.73	12.70	128.32	1	127.4	12.70	6.35	25.40	-	
6 1/2 x 6	165 x 152	142.10	12.70	138.32	1	137.0	12.70	6.35	25.40	-	
7 x 6 1/2	178 x 165	152.47	12.70	148.32	1	147.1	12.70	6.35	25.40	-	
7 1/2 x 7	190 x 178	162.84	12.70	158.32	1	157.0	12.70	6.35	25.40	-	
8 x 7 1/2	203 x 190	173.21	12.70	168.32	1	167.0	12.70	6.35	25.40	-	
8 1/2 x 8	215 x 203	183.58	12.70	178.32	1	177.0	12.70	6.35	25.40	-	
9 x 8 1/2	228 x 215	193.95	12.70	188.32	1	187.0	12.70	6.35	25.40	-	
9 1/2 x 9	240 x 228	204.32	12.70	198.32	1	197.0	12.70	6.35	25.40	-	
10 x 9 1/2	253 x 240	214.69	12.70	208.32	1	207.0	12.70	6.35	25.40	-	
10 1/2 x 10	265 x 253	225.06	12.70	218.32	1	217.0	12.70	6.35	25.40	-	
11 x 10 1/2	278 x 265	235.43	12.70	228.32	1	227.0	12.70	6.35	25.40	-	
11 1/2 x 11	290 x 278	245.80	12.70	238.32	1	237.0	12.70	6.35	25.40	-	
12 x 11 1/2	303 x 290	256.17	12.70	248.32	1	247.0	12.70	6.35	25.40	-	
12 1/2 x 12	315 x 303	266.54	12.70	258.32	1	257.0	12.70	6.35	25.40	-	
13 x 12 1/2	328 x 315	276.91	12.70	268.32	1	267.0	12.70	6.35	25.40	-	
13 1/2 x 13	340 x 328	287.28	12.70	278.32	1	277.0	12.70	6.35	25.40	-	
14 x 13 1/2	353 x 340	297.65	12.70	288.32	1	287.0	12.70	6.35	25.40	-	
14 1/2 x 14	365 x 353	308.02	12.70	298.32	1	297.0	12.70	6.35	25.40	-	
15 x 14 1/2	378 x 365	318.39	12.70	308.32	1	307.0	12.70	6.35	25.40	-	
15 1/2 x 15	390 x 378	328.76	12.70	318.32	1	317.0	12.70	6.35	25.40	-	
16 x 15 1/2	403 x 390	339.13	12.70	328.32	1	327.0	12.70	6.35	25.40	-	
16 1/2 x 16	415 x 403	349.50	12.70	338.32	1	337.0	12.70	6.35	25.40	-	
17 x 16 1/2	428 x 415	359.87	12.70	348.32	1	347.0	12.70	6.35	25.40	-	
17 1/2 x 17	440 x 428	370.24	12.70	358.32	1	357.0	12.70	6.35	25.40	-	
18 x 17 1/2	453 x 440	380.61	12.70	368.32	1	367.0	12.70	6.35	25.40	-	
18 1/2 x 18	465 x 453	390.98	12.70	378.32	1	377.0	12.70	6.35	25.40	-	
19 x 18 1/2	478 x 465	401.35	12.70	388.32	1	387.0	12.70	6.35	25.40	-	
19 1/2 x 19	490 x 478	411.72	12.70	398.32	1	397.0	12.70	6.35	25.40	-	
20 x 19 1/2	503 x 490	422.09	12.70	408.32	1	407.0	12.70	6.35	25.40	-	
20 1/2 x 20	515 x 503	432.46	12.70	418.32	1	417.0	12.70	6.35	25.40	-	
21 x 20 1/2	528 x 515	442.83	12.70	428.32	1	427.0	12.70	6.35	25.40	-	
21 1/2 x 21	540 x 528	453.20	12.70	438.32	1	437.0	12.70	6.35	25.40	-	
22 x 21 1/2	553 x 540	463.57	12.70	448.32	1	447.0	12.70	6.35	25.40	-	
22 1/2 x 22	565 x 553	473.94	12.70	458.32	1	457.0	12.70	6.35	25.40	-	
23 x 22 1/2	578 x 565	484.31	12.70	468.32	1	467.0	12.70	6.35	25.40	-	
23 1/2 x 23	590 x 578	494.68	12.70	478.32	1	477.0	12.70	6.35	25.40	-	
24 x 23 1/2	603 x 590	505.05	12.70	488.32	1	487.0	12.70	6.35	25.40	-	
24 1/2 x 24	615 x 603	515.42	12.70	498.32	1	497.0	12.70	6.35	25.40	-	
25 x 24 1/2	628 x 615	525.79	12.70	508.32	1	507.0	12.70	6.35	25.40	-	
25 1/2 x 25	640 x 628	536.16	12.70	518.32	1	517.0	12.70	6.35	25.40	-	
26 x 25 1/2	653 x 640	546.53	12.70	528.32	1	527.0	12.70	6.35	25.40	-	
26 1/2 x 26	665 x 653	556.90	12.70	538.32	1	537.0	12.70	6.35	25.40	-	
27 x 26 1/2	678 x 665	567.27	12.70	548.32	1	547.0	12.70	6.35	25.40	-	
27 1/2 x 27	690 x 678	577.64	12.70	558.32	1	557.0	12.70	6.35	25.40	-	
28 x 27 1/2	703 x 690	588.01	12.70	568.32	1	567.0	12.70	6.35	25.40	-	
28 1/2 x 28	715 x 703	598.38	12.70	578.32	1	577.0	12.70	6.35	25.40	-	
29 x 28 1/2	728 x 715	608.75	12.70	588.32	1	587.0	12.70	6.35	25.40	-	
29 1/2 x 29	740 x 728	619.12	12.70	598.32	1	597.0	12.70	6.35	25.40	-	
30 x 29 1/2	753 x 740	629.49	12.70	608.32	1	607.0	12.70	6.35	25.40	-	
30 1/2 x 30	765 x 753	639.86	12.70	618.32	1	617.0	12.70	6.35	25.40	-	
31 x 30 1/2	778 x 765	650.23	12.70	628.32	1	627.0	12.70	6.35	25.40	-	
31 1/2 x 31	790 x 778	660.60	12.70	638.32	1	637.0	12.70	6.35	25.40	-	
32 x 31 1/2	803 x 790	670.97	12.70	648.32	1	647.0	12.70	6.35	25.40	-	
32 1/2 x 32	815 x 803	681.34	12.70	658.32	1	657.0	12.70	6.35	25.40	-	
33 x 32 1/2	828 x 815	691.71	12.70	668.32	1	667.0	12.70	6.35	25.40	-	
33 1/2 x 33	840 x 828	702.08	12.70	678.32	1	677.0	12.70	6.35	25.40	-	
34 x 33 1/2	853 x 840	712.45	12.70	688.32	1	687.0	12.70	6.35	25.40	-	
34 1/2 x 34	865 x 853	722.82	12.70	698.32	1	697.0	12.70	6.35	25.40	-	
35 x 34 1/2	878 x 865	733.19	12.70	708.32	1	707.0	12.70	6.35	25.40	-	
35 1/2 x 35	890 x 878	743.56	12.70	718.32	1	717.0	12.70	6.35	25.40	-	
36 x 35 1/2	903 x 890	753.93	12.70	728.32	1	727.0	12.70	6.35	25.40	-	
36 1/2 x 36	915 x 903	764.30	12.70	738.32	1	737.0	12.70	6.35	25.40	-	
37 x 36 1/2	928 x 915	774.67	12.70	748.32	1	747.0	12.70	6.35	25.40	-	
37 1/2 x 37	940 x 928	785.04	12.70	758.32	1	757.0	12.70	6.35	25.40	-	
38 x 37 1/2	953 x 940	795.41	12.70	768.32	1	767.0	12.70	6.35	25.40	-	
38 1/2 x 38	965 x 953	805.78	12.70	778.32	1	777.0	12.70	6.35	25.40	-	
39 x 38 1/2	978 x 965	816.15	12.70	788.32	1	787.0	12.70	6.35	25.40	-	
39 1/2 x 39	990 x 978	826.52	12.70	798.32	1	797.0	12.70	6.35	25.40	-	
40 x 39 1/2	1003 x 990	836.89	12.70	808.32	1	807.0	12.70	6.35	25.40	-	
40 1/2 x 40	1015 x 1003	847.26	12.70	818.32	1	817.0	12.70	6.35	25.40	-	
41 x 40 1/2	1028 x 1015	857.63	12.70	828.32	1	827.0	12.70	6.35	25.40	-	
41 1/2 x 41	1040 x 1028	868.00	12.70	838.32	1	837.0	12.70	6.35	25.40	-	
42 x 41 1/2	1053 x 1040	878.37	12.70	848.32	1	847.0	12.70	6.35	25.40	-	
42 1/2 x 42	1065 x 1053	888.74	12.70	858.32	1	857.0	12.70	6.35	25.40	-	
43 x 42 1/2	1078 x 1065	899.11	12.70	868.32	1	867.0	12.70	6.35	25.40	-	
43 1/2 x 43	1090 x 1078	909.48	12.70	878.32	1	877.0	12.70	6.35	25.40	-	
44 x 43 1/2	1103 x 1090	919.85	12.70	888.32	1	887.0	12.70	6.35	25.40	-	
44 1/2 x 44	1115 x 1103	930.22	12.70	898.32	1	897.0					

Medallion Pipe

MATERIAL AND MANUFACTURING SPECIFICATIONS

STANDARDS

CCTF FORGED AND ALLOY STEEL THREADED AND SOCKET WELDING FITTINGS are manufactured in accordance with the following industry standards:

MATERIAL: ASTM A-182 DIMENSIONS: ANSI B16.11 THREADS: ANSI/ASME ANSI B2.1
MSS SP-79

MATERIALS

The properties of the most widely used grades of stainless and alloy steels are shown in this chart. CCTF Fittings are also available in other grades of ASTM A-182.

ASTM A-182 GRADE	MECHANICAL				CHEMICAL							
	TENSILE STRENGTH ksi min. (MPa min.)	YIELD STRENGTH ksi min. (MPa min.)	EL. 2 in. 50 MM min. %	REDUCTION OF AREA min. %	C	Mn	P	S	Si	Ni	Cr	Mo
FE	70 (480)	40 (275)	20	35	.15	.30-.60	.030	.50	.50	.50	4.0-6.0	.44-.65
F11	70 (480)	40 (275)	20	30	10-20	30-80	.040	.040	50-1.0	-	1.0-1.5	.44-.65
F22	75 (517)	45 (310)	20	30	.15	30-60	.040	.040	.50	-	2.0-2.5	.67-1.13
F304	75 (517)	30 (207)	30	50	.08	2.0	.040	.030	1.0	8.0-11.0	18.0-20.0	-
F304H	75 (517)	30 (207)	30	50	.04-.10	2.0	.040	.030	1.0	8.0-11.0	18.0-20.0	-
F304L	70 (480)	25 (172)	30	50	.035	2.0	.040	.030	1.0	8.0-13.0	18.0-20.0	-
F316	75 (517)	30 (207)	30	50	.08	2.0	.040	.030	1.0	10.0-14.0	16.0-18.0	2.0-3.0
F316H	75 (517)	30 (207)	30	50	.04-.10	2.0	.040	.030	1.0	10.0-14.0	16.0-18.0	2.0-3.0
F316L	70 (480)	25 (172)	30	50	.035	2.0	.040	.030	1.0	10.0-15.0	16.0-18.0	2.0-3.0

* Maximum values except as indicated.

For the approximate grade of stainless or alloy steel for use with corrosive liquids and gases at various temperatures and pressures, consult your nearest CCTF office.

PRESSURE RATINGS

Correlation of Fittings Class with Schedule Number or Wall Designation of Pipe (for Calculation of Ratings)

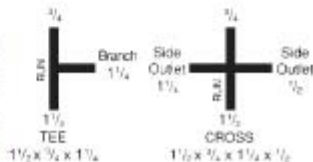
PRESSURE CLASS DESIGNATION OF FITTING	TYPE OF FITTING	PIPE USED FOR RATING BASIS		This table is not intended to restrict the use of pipe of thinner walls with fittings.
		SCHEDULE NO.	WALL DESIGNATION	
2000	Threaded	80	XS	
3000	Threaded	160	-	
3000	Socket-Welding	80	XS	

REDUCED FITTINGS

Method of designating outlets of reducing Tees and Crosses.

In the case of reducing tees and crosses the size of the largest run opening shall be given first, followed by the size of the opening at the opposite end of the run. Where the fitting is a tee, the size of the branch is given last. Where the fitting is a cross, the largest side-outlet is the third dimension given, followed by the opening opposite.

*Reducing Tees, elbows and crosses, both Socket-Welding and Threaded, are available on request. Alternatively, reductions may be achieved with the use of Socket Welding Reducer Inserts, or Hexagon (Threaded) Bushings.



Medallion Pipe

Approximate Weights THREADED FITTINGS pages 2 and 3

NPS	DN	CLASS 2000								CLASS 3000							
		90'	45'	TEE	CROSS	90'	45'	TEE	CROSS	STREET ELBOW	ACCOU. LING	HALF COUP. LING	CAP	UNION	HEX HEAD PLUG	HEX BUSHING	ROUND HEAD PLUG
1/8	3	.25	.19	.31	.5	.25	.19	.31	.5	.2	.19	.36	.36	.38	.01	-	.15
1/4	6	.25	.19	.25	.44	.31	.31	.44	.5	.25	.19	.36	.36	.45	.06	.02	.19
3/8	10	.31	.25	.38	.56	.46	.5	.81	.94	.4	.19	.12	.12	.5	.10	.05	.18
1/2	15	.45	.44	.63	.75	.88	.75	1.1	1.4	.6	.25	.19	.25	1	.17	.10	.25
3/4	20	.60	.63	.94	1.1	1.4	1.2	1.8	2.4	.88	.45	.25	.38	1.3	.32	.20	.38
1	25	.88	.81	1.4	1.6	2.2	1.9	2.6	3.6	1.7	.8	.44	.63	2	.48	.42	.75
1 1/4	32	1.5	1.4	2	2.5	2.5	2.2	3.4	4.3	2.9	1.6	.8	1.1	2.3	.95	.65	1.1
1 1/2	40	2.2	1.8	2.8	3.4	5.3	4	6.8	7.5	4.3	2.9	1.1	1.5	3.4	1.4	.8	1.6
2	50	3.4	2.8	5.0	5.4	6.5	4.2	8.5	8.4	5.1	3.6		3.1	5.8	2.9	1.8	3
		1.5	1.3	2.0	2.4	2.5	1.9	3.8	3.8	2.9	1.6		1.4	2.6	1	.8	1.4

*For smallest reduction

SOCKET WELDING FITTINGS pages 2 and 3

NPS	DN	CLASS 3000							
		90'	45'	TEE	CROSS	ACCOU. LING	HALF COUP. LING	CAP	UNION
1/8	3	.25	.19	.31	.44	.09	.12	.06	.38
1/4	6	.19	.15	.25	.38	.12	.12	.12	.5
3/8	10	.31	.25	.38	.56	.06	.06	.06	.29
1/2	15	.45	.44	.63	.75	.38	.44	.25	1.2
3/4	20	.60	.63	.94	1.1	.44	.56	.31	1.5
1	25	.88	.81	1.4	1.6	.2	.25	1.4	2
1 1/4	32	1.6	1.3	2	2.5	1.6	.83	.31	2.3
1 1/2	40	2.2	1.8	2.8	3.4	2	1.2	.45	2.9
2	50	3.4	2.8	5.0	5.4	2.5	1.1	2.5	3.6

▲ For approximate weight of Reducing Couplings, use that of a full coupling equal to the large end size.

The International System (SI) metric equivalent of British units are shown throughout this catalogue.

NPS (Nominal Pipe Size) = DN* (Nominal Diameter)

Operating Pressure Class = PN* (Pressure Number)

1 inch = 25.4 millimetres

1 pound, weight = 0.4536 kilograms

1 pound, pressure = 0.06895 bars

*From the SI designations, Diamètre Nominal and Pression Nominale.

CATALOGUE SECTION 14

Although great care has been taken in compiling the information contained in this catalogue, CCTF does not accept responsibility for the consequences of any errors, nor for the effects of any subsequent changes made by the various sources of data.

POUNDS
KILOGRAMS