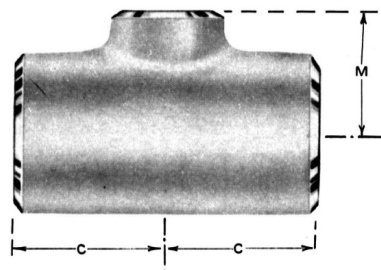


[illegible]

REDUCING OUTLET TEES - CONTINUED



Reducing Outlet Tee



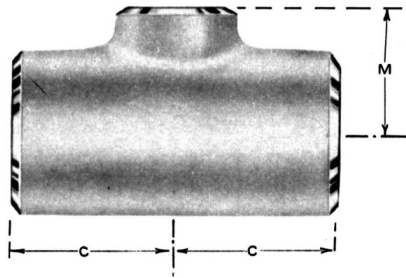
Reducing Outlet Tee

ASME B16.9					
N.B		O.D. AT BEVEL		RUN C	OUTLET M
Run	Outlet	Run	Outlet		
8"	6"	219.1	168.3	178	168
8"	5"	219.1	141.3	178	162
8"	4"	219.1	114.3	178	156
8"	3 1/2"	219.1	101.6	178	152
10"	8"	273.0	219.0	216	203
10"	6"	273.0	168.3	216	194
10"	5"	273.0	141.3	216	191
10"	4"	273.0	114.3	216	184
12"	10"	323.8	273.0	254	241
12"	8"	323.8	219.1	254	229
12"	6"	323.8	168.3	254	219
12"	5"	323.8	141.3	254	216
14"	12"	355.6	323.8	279	270
14"	10"	355.6	273.0	279	257
14"	8"	355.6	219.1	279	248
14"	6"	355.6	168.3	279	238
16"	14"	406.4	355.6	305	305
16"	12"	406.4	323.8	305	295
16"	10"	406.4	273.0	305	283
16"	8"	406.4	219.1	305	273
16"	6"	406.4	168.3	305	264
18"	16"	457.0	406.4	343	330
18"	14"	457.0	355.6	343	330
18"	12"	457.0	323.8	343	330
18"	10"	457.0	273.0	343	321
18"	8"	457.0	219.1	343	308
20"	18"	508.0	457.0	381	298
20"	16"	508.0	406.4	381	368
20"	14"	508.0	355.6	381	356
20"	12"	508.0	323.8	381	346
20"	10"	508.0	273.0	381	333
20"	8"	508.0	219.0	381	324
22"	20"	559.0	508.0	419	406
22"	18"	559.0	457.0	419	394
22"	16"	559.0	406.4	419	381
22"	14"	559.0	355.6	419	381
22"	12"	559.0	323.8	419	371
22"	10"	559.0	273.0	419	359
24"	22"	610.0	559.0	432	432
24"	20"	610.0	508.0	432	432
24"	18"	610.0	457.0	432	419
24"	16"	610.0	406.4	432	406
24"	14"	610.0	355.6	432	406
24"	12"	610.0	323.8	432	397
24"	10"	610.0	273.0	432	384

[illegible]

BUTT-WELD-FITTING - ASME B16.9/MSS SP-75

REDUCING OUTLET TEES - CONTINUED



Reducing Outlet Tee



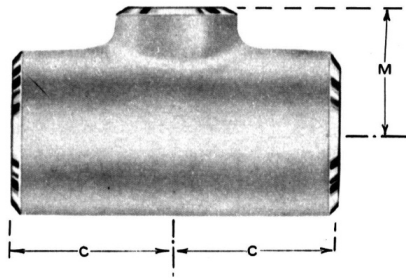
Reducing Outlet Tee

ASME B16.9					
N.B.		O.D. AT BEVEL		RUN C	OUTLET M
Run	Outlet	Run	Outlet		
26"	24"	660	610.0	495	483
26"	22"	660	559.0	495	470
26"	20"	660	508.0	495	457
26"	18"	660	457.0	495	444
26"	16"	660	406.4	495	432
26"	14"	660	355.6	495	432
26"	12"	660	323.8	495	422
28"	26"	711	660.0	521	521
28"	24"	711	610.0	521	508
28"	22"	711	559.0	521	495
28"	20"	711	508.0	521	483
28"	18"	711	457.0	521	470
28"	16"	711	406.4	521	457
28"	14"	711	355.6	521	457
28"	12"	711	323.8	521	448
30"	28"	762	711.0	559	546
30"	26"	762	660.0	559	546
30"	24"	762	610.0	559	533
30"	22"	762	559.0	559	521
30"	20"	762	508.0	559	508
30"	18"	762	457.0	559	495
30"	16"	762	406.4	559	483
30"	14"	762	355.6	559	483
30"	12"	762	323.8	559	473
30"	10"	762	273.0	559	460
32"	30"	813	762.0	597	584
32"	28"	813	711.0	597	572
32"	26"	813	660.0	597	572
32"	24"	813	610.0	597	559
32"	22"	813	559.0	597	546
32"	20"	813	508.0	597	533
32"	18"	813	457.0	597	521
32"	16"	813	406.4	597	508
32"	14"	813	355.6	597	508
34"	32"	864	813.0	635	622
34"	30"	864	762.0	635	610
34"	28"	864	711.0	635	597
34"	26"	864	660.0	635	597
34"	24"	864	610.0	635	854
34"	22"	864	559.0	635	572
34"	20"	864	508.0	635	559
34"	18"	864	457.0	635	546
34"	16"	864	406.4	635	533

MSS-SP-75					
N.B.		O.D. AT BEVEL		RUN C	OUTLET M
Run	Outlet	Run	Outlet		
26"	24"	660	610.0	495	483
26"	22"	660	559.0	495	470
26"	20"	660	508.0	495	457
26"	18"	660	457.0	495	444
26"	16"	660	406.4	495	432
26"	14"	660	355.6	495	432
26"	12"	660	323.8	495	422
28"	26"	711	660.0	521	521
28"	24"	711	610.0	521	508
28"	22"	711	559.0	521	495
28"	20"	711	508.0	521	483
28"	18"	711	457.0	521	470
28"	16"	711	406.4	521	457
28"	14"	711	355.6	521	457
28"	12"	711	323.8	521	448
30"	28"	762	711.0	559	546
30"	26"	762	660.0	559	546
30"	24"	762	610.0	559	533
30"	22"	762	559.0	559	521
30"	20"	762	508.0	559	508
30"	18"	762	457.0	559	495
30"	16"	762	406.4	559	483
30"	14"	762	355.6	559	483
30"	12"	762	323.8	559	473
30"	10"	762	273.0	559	460
32"	30"	813	762.0	597	584
32"	28"	813	711.0	597	572
32"	26"	813	660.0	597	572
32"	24"	813	610.0	597	559
32"	22"	813	559.0	597	546
32"	20"	813	508.0	597	533
32"	18"	813	457.0	597	521
32"	16"	813	406.4	597	508
32"	14"	813	355.6	597	508
34"	32"	864	813.0	635	622
34"	30"	864	762.0	635	610
34"	28"	864	711.0	635	597
34"	26"	864	660.0	635	597
34"	24"	864	610.0	635	854
34"	22"	864	559.0	635	572
34"	20"	864	508.0	635	559
34"	18"	864	457.0	635	546
34"	16"	864	406.4	635	533

BUTT-WELD-FITTING - ASME B16.9/MSS SP-75

REDUCING OUTLET TEES - CONTINUED



Reducing Outlet Tee



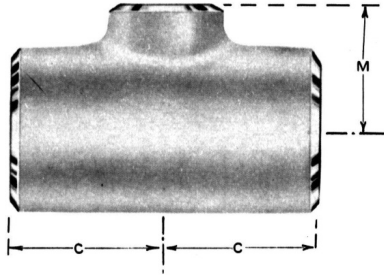
Reducing Outlet Tee

ASME B16.9					
N.B.		O.D. AT BEVEL		RUN C	OUTLET M
Run	Outlet	Run	Outlet		
36"	34"	914	864.0	673	660
36"	32"	914	813.0	673	648
36"	30"	914	762.0	673	635
36"	28"	914	711.0	673	622
36"	26"	914	660.0	673	622
36"	24"	914	610.0	673	610
36"	22"	914	559.0	673	597
36"	20"	914	508.0	673	584
36"	18"	914	457.0	673	572
36"	16"	914	406.4	673	559
38"	36"	965	914.0	711	711
38"	34"	965	864.0	711	698
38"	32"	965	813.0	711	686
38"	30"	965	762.0	711	673
38"	28"	965	711.0	711	648
38"	26"	965	660.0	711	648
38"	24"	965	610.0	711	635
38"	22"	965	559.0	711	622
38"	20"	965	508.0	711	610
38"	18"	965	457.0	711	597
40"	38"	1016	965.0	749	749
40"	36"	1016	914.0	749	737
40"	34"	1016	864.0	749	724
40"	32"	1016	813.0	749	711
40"	30"	1016	762.0	749	698
40"	28"	1016	711.0	749	673
40"	26"	1016	660.0	749	673
40"	24"	1016	610.0	749	660
40"	22"	1016	559.0	749	648
40"	20"	1016	508.0	749	635
40"	18"	1016	457.0	749	622
42"	40"	1067	1016.0	762	711
42"	38"	1067	968.0	762	711
42"	36"	1067	914.0	762	711
42"	34"	1067	864.0	762	711
42"	32"	1067	813.0	762	711
42"	30"	1067	762.0	762	711
42"	28"	1067	711.0	762	698
42"	26"	1067	660.0	762	698
42"	24"	1067	610.0	762	660
42"	22"	1067	559.0	762	660
42"	20"	1067	508.0	762	660
42"	18"	1067	457.0	762	648
42"	16"	1067	406.4	762	635

MSS-SP-75					
N.B.		O.D. AT BEVEL		RUN C	OUTLET M
Run	Outlet	Run	Outlet		
36"	34"	914	864.0	673	660
36"	32"	914	813.0	673	648
36"	30"	914	762.0	673	635
36"	28"	914	711.0	673	622
36"	26"	914	660.0	673	622
36"	24"	914	610.0	673	610
36"	22"	914	559.0	673	597
36"	20"	914	508.0	673	584
36"	18"	914	457.0	673	572
36"	16"	914	406.4	673	559
38"	36"	965	914.0	711	711
38"	34"	965	864.0	711	698
38"	32"	965	813.0	711	686
38"	30"	965	762.0	711	673
38"	28"	965	711.0	711	648
38"	26"	965	660.0	711	648
38"	24"	965	610.0	711	635
38"	22"	965	559.0	711	622
38"	20"	965	508.0	711	610
38"	18"	965	457.0	711	597
40"	38"	1016	965.0	749	749
40"	36"	1016	914.0	749	737
40"	34"	1016	864.0	749	724
40"	32"	1016	813.0	749	711
40"	30"	1016	762.0	749	698
40"	28"	1016	711.0	749	673
40"	26"	1016	660.0	749	673
40"	24"	1016	610.0	749	660
40"	22"	1016	559.0	749	648
40"	20"	1016	508.0	749	635
40"	18"	1016	457	749	622
42"	36"	1067	914	762	711
42"	34"	1067	864	762	711
42"	32"	1067	813	762	711
42"	30"	1067	762	762	711
42"	28"	1067	711	762	698
42"	26"	1067	660	762	698
42"	24"	1067	610	762	660
42"	22"	1067	559	762	660
42"	20"	1067	508	762	660
42"	18"	1067	457	762	648
42"	16"	1067	406.4	762	635

BUTT-WELD-FITTING - ASME B16.9/MSS SP-75

REDUCING OUTLET TEES - CONTINUED



Reducing Outlet Tee



Reducing Outlet Tee

ASME B16.9					
N.B		O.D. AT BEVEL		RUN C	OUTLET M
Run	Outlet	Run	Outlet		
44"	42"	1118	1067	813	762
44"	40"	1118	1016	813	749
44"	38"	1118	965	813	737
44"	36"	1118	914	813	724
44"	34"	1118	864	813	724
44"	32"	1118	813	813	711
44"	30"	1118	762	813	711
44"	28"	1118	711	813	698
44"	26"	1118	660	813	698
44"	24"	1118	610	813	698
44"	22"	1118	559	813	686
44"	20"	1118	508	813	686
46"	44"	1168	1118	851	800
46"	42"	1168	1067	851	787
46"	40"	1168	1016	851	775
46"	38"	1168	965	851	762
46"	36"	1168	914	851	762
46"	34"	1168	864	851	749
46"	32"	1168	813	851	749
46"	30"	1168	762	851	737
46"	28"	1168	711	851	737
46"	26"	1168	660	851	737
46"	24"	1168	610	851	724
46"	22"	1168	559	851	724
48"	46"	1219	1168	889	838
48"	44"	1219	1118	889	838
48"	42"	1219	1067	889	813
48"	40"	1219	1016	889	813
48"	38"	1219	965	889	813
48"	36"	1219	914	889	787
48"	34"	1219	864	889	787
48"	32"	1219	813	889	787
48"	30"	1219	762	889	762
48"	28"	1219	711	889	762
48"	26"	1219	660	889	762
48"	24"	1219	610	889	737
48"	22"	1219	559	889	737

MSS-SP-75					
N.B.		O.D. AT BEVEL		RUN C	OUTLET M
Run	Outlet	Run	Outlet		
44"	42"	1118	1067	813	762
44"	40"	1118	1016	813	749
44"	38"	1118	965	813	737
44"	36"	1118	914	813	724
44"	34"	1118	864	813	724
44"	32"	1118	813	813	711
44"	30"	1118	762	813	711
44"	28"	1118	711	813	698
44"	26"	1118	660	813	698
44"	24"	1118	610	813	698
44"	22"	1118	559	813	686
44"	20"	1118	508	813	686
46"	44"	1168	1118	851	800
46"	42"	1168	1067	851	787
46"	40"	1168	1016	851	775
46"	38"	1168	965	851	762
46"	36"	1168	914	851	762
46"	34"	1168	864	851	749
46"	32"	1168	813	851	749
46"	30"	1168	762	851	737
46"	28"	1168	711	851	737
46"	26"	1168	660	851	737
46"	24"	1168	610	851	724
46"	22"	1168	559	851	724
48"	46"	1219	1168	889	838
48"	44"	1219	1118	889	838
48"	42"	1219	1067	889	813
48"	40"	1219	1016	889	813
48"	38"	1219	965	889	813
48"	36"	1219	914	889	787
48"	34"	1219	864	889	787
48"	32"	1219	813	889	787
48"	30"	1219	762	889	762
48"	28"	1219	711	889	762
48"	26"	1219	660	889	762
48"	24"	1219	610	889	737
48"	22"	1219	559	889	737