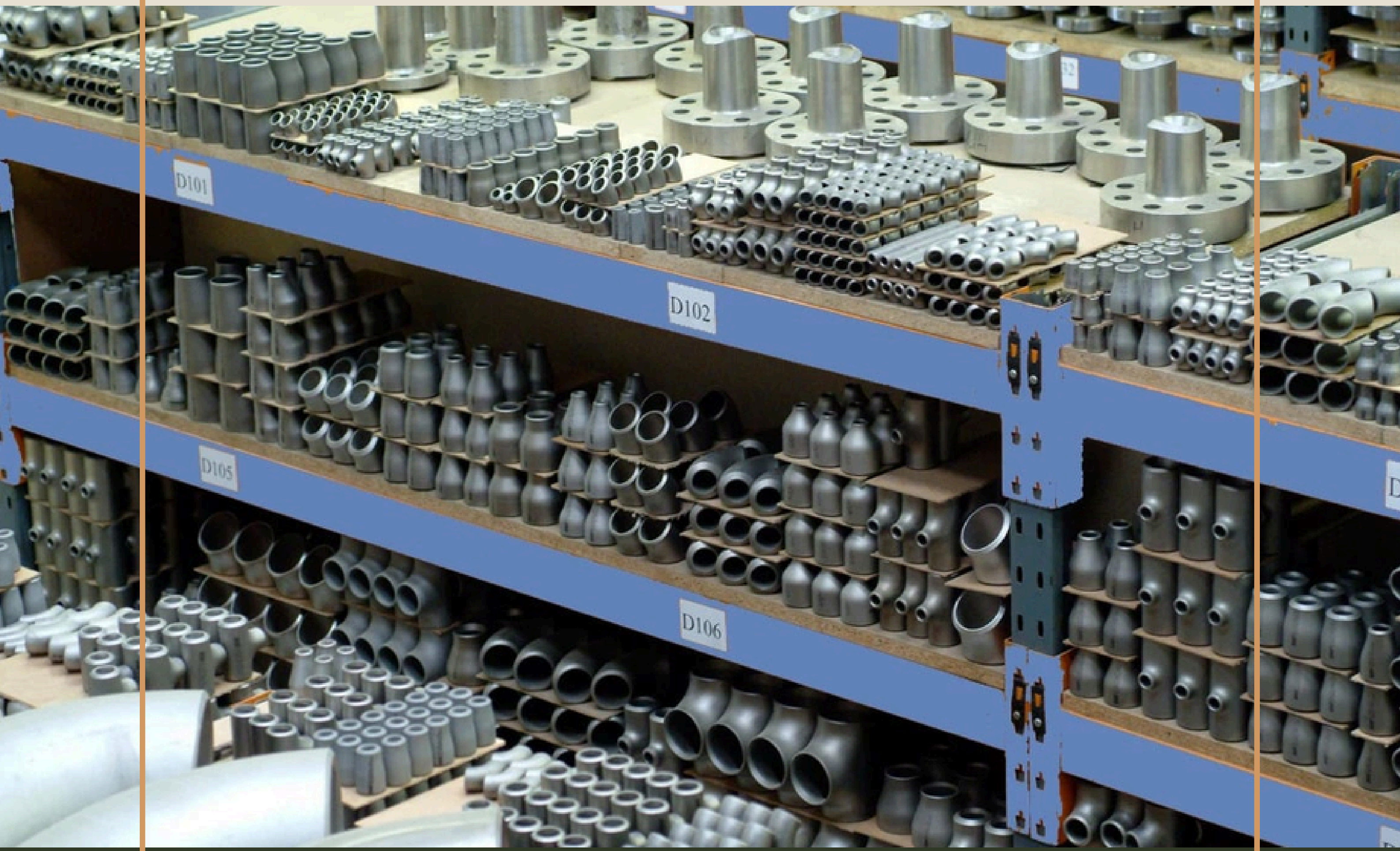
Prime Steel
CORPORATION



BUTTWELD FITTINGS

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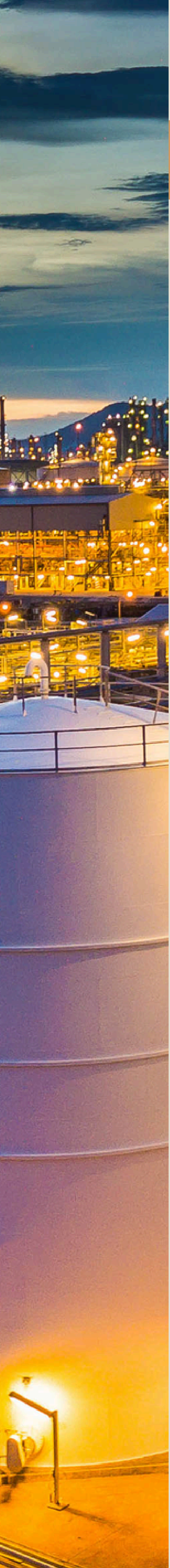

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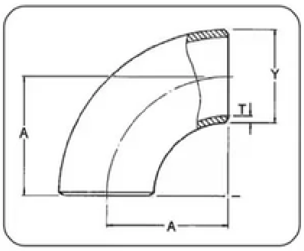
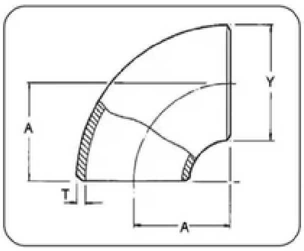
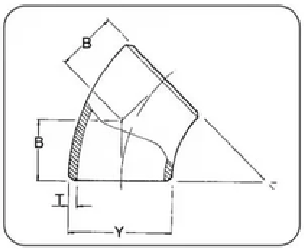
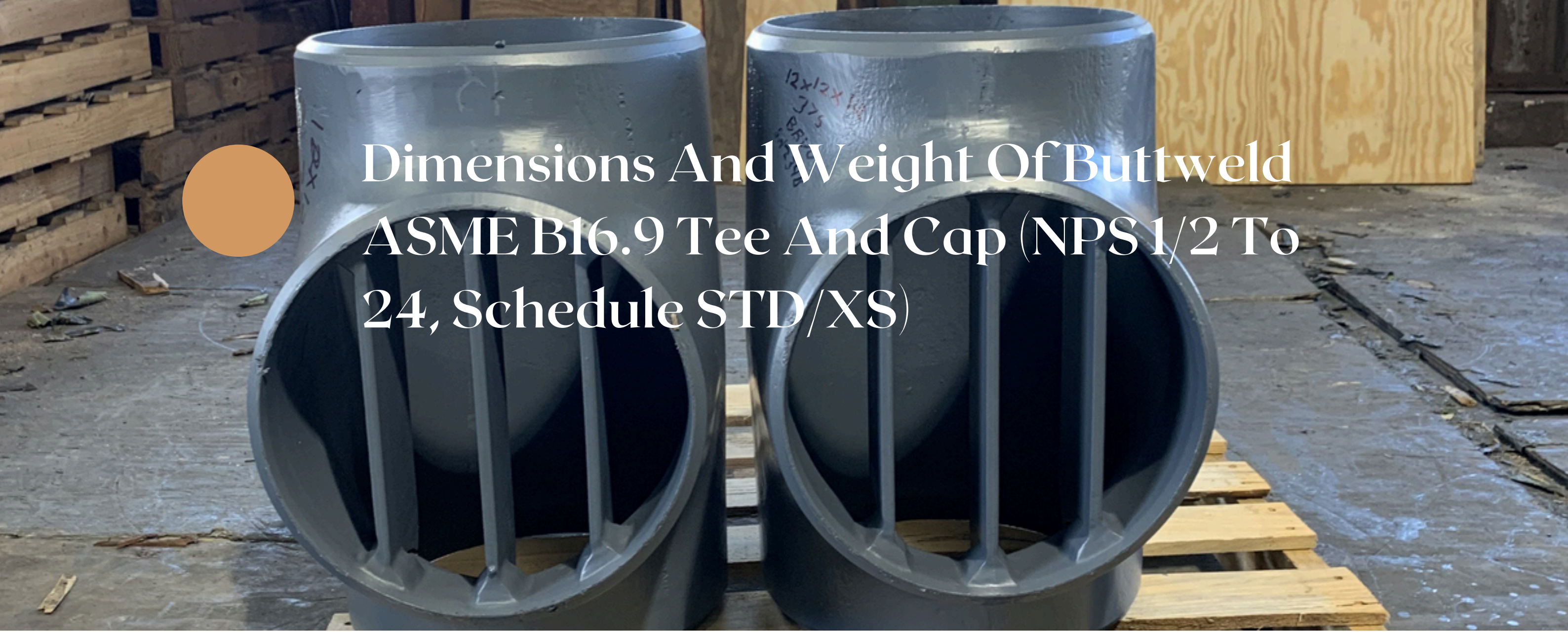
Dimensions And Weight Of Buttweld ASME B16.9 45°-90° LR And SR Elbows (NPS 1/2 To 24, Schedule STD/XS)



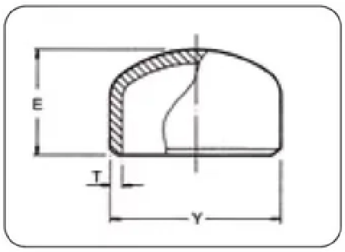


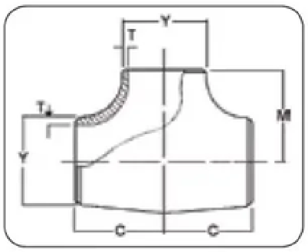


NPS		Y (Outside Diameter)	T (Wall Thickness)		45° LR Elbow Centre To Face B	45° LR Elbow Weight	90° LR Elbow Centre To Face A	90° LR Elbow Weight	90° SR Elbow Centre To Face A	90° SR Elbow Weight
Mm	In	Mm	Mm	Schedule	Mm	Kg	Mm	Kg	Mm	Kg
15	1/2"	21.3	2.78	STD	15.9	0.04	38.1	0.08	-	-
			3.73	X.S	15.9	0.05	38.1	0.10	-	-
20	3/4"	26.7	2.87	STD	11.1	0.04	28.6	0.08	-	-
			3.91	X.S	11.1	0.05	28.6	0.11	-	-
25	1"	33.4	3.38	STD	22.2	0.09	38.1	0.15	25.4	0.11
			4.55	X.S	22.2	0.11	38.1	0.19	25.4	0.14
32	11/4"	42.2	3.56	STD	25.4	0.14	47.6	0.28	31.75	0.18
			4.85	X.S	25.4	0.2	47.6	0.39	31.75	0.24
40	11/2"	48.3	3.68	STD	28.6	0.2	57.1	0.4	38.1	0.26
			5.08	X.S	28.6	0.25	57.1	0.5	38.1	0.35
50	2"	60.3	3.91	STD	34.9	0.36	76.2	0.72	50.8	0.5
			5.54	X.S	34.9	0.5	76.2	1.0	50.8	0.68
65	21/2"	73.0	5.16	STD	44.4	0.73	95.2	1.46	63.5	0.95
			7.01	X.S	44.4	0.91	95.2	1.82	63.5	1.27
80	3"	88.9	5.49	STD	50.8	1.1	114.3	2.18	76.2	1.45
			7.62	X.S	50.8	1.45	114.3	2.86	76.2	1.95
100	4"	114.3	6.02	STD	63.5	2.1	152.4	4.2	101.6	2.8
			8.56	X.S	63.5	2.9	152.4	5.7	101.6	3.9
125	5"	141.3	6.65	STD	79.4	3.4	190.0	6.8	127.0	4.8
			9.5	X.S	79.4	5.0	190.0	10.0	127.0	6.5
150	6"	168.3	7.11	STD	95.2	5.1	229.0	10.1	152.4	6.8
			10.97	X.S	95.2	7.7	229.0	15.3	152.4	10.2
200	8"	219.1	8.18	STD	127.0	10.2	305.0	20.4	203.0	13.6
			12.7	X.S	127.0	15.5	305.0	30.9	203.0	20.9
250	10"	273.9	9.27	STD	159.0	18.1	381.0	36.1	254.0	24.1
			12.7	X.S	159.0	24.4	381.0	48.8	254.0	32.5
300	12"	323.9	9.52	STD	190.0	26.6	457.0	53.1	305.0	35.4
			12.7	X.S	190.0	35.0	457.0	70.0	305.0	46.7
350	14"	355.6	9.52	STD	222.0	34.1	533.0	68.1	356.0	45.4
			12.7	X.S	222.0	45.0	533.0	90.0	356.0	60.0
400	16"	406.4	9.52	STD	254.0	45.0	610.0	89.3	406.0	59.5
			12.7	X.S	254.0	59.0	610.0	118.0	406.0	78.7
450	18"	457.0	9.52	STD	286.0	56.5	686.0	113.0	457.0	75.6
			12.7	X.S	286.0	75.0	686.0	150.0	457.0	100.0
500	20"	508.0	9.52	STD	318.0	85.0	762.0	140.0	508.0	93.5
			12.7	X.S	318.0	112.5	762.0	186.0	508.0	124.0
600	24"	610.00	9.52	STD	381.0	101.5	914.0	203.0	610.0	135.0
			12.7	X.S	381.0	134.5	914.0	269.0	610.0	179.0



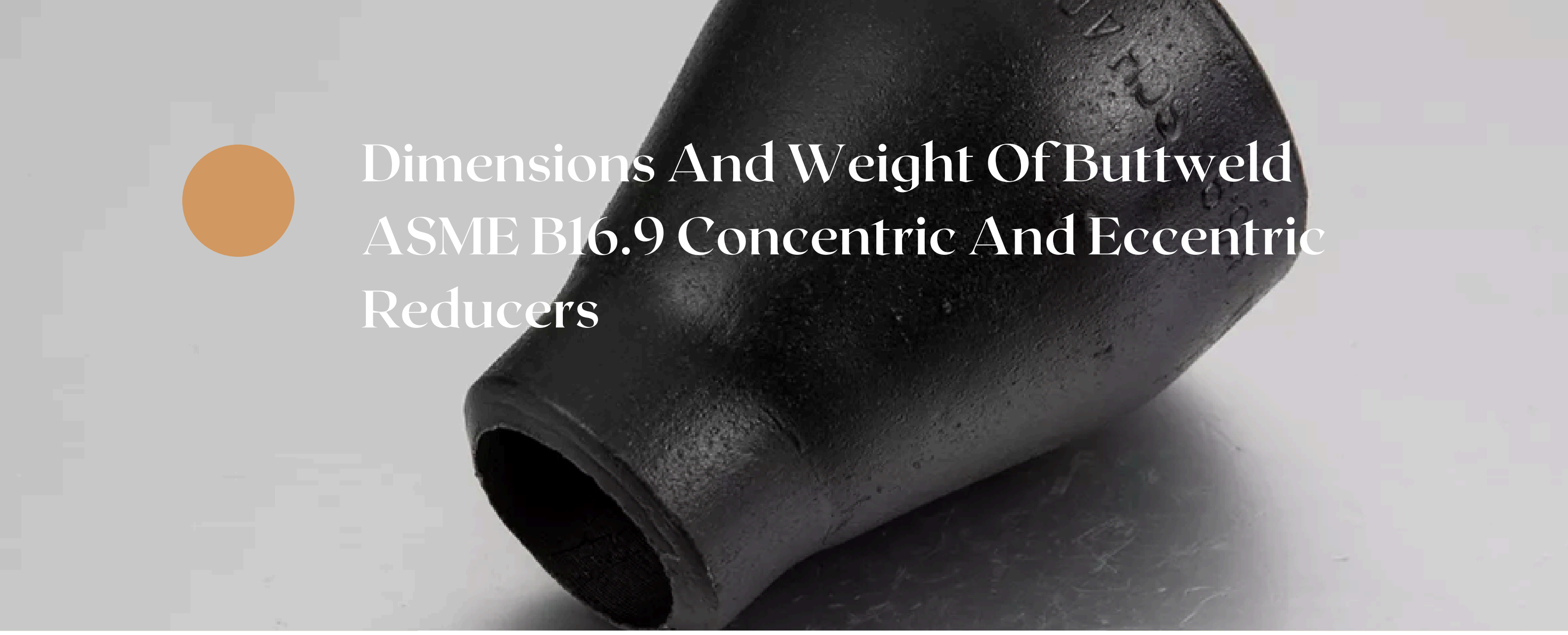
Dimensions And Weight Of Buttweld ASME B16.9 Tee And Cap (NPS 1/2 To 24, Schedule STD/XS)

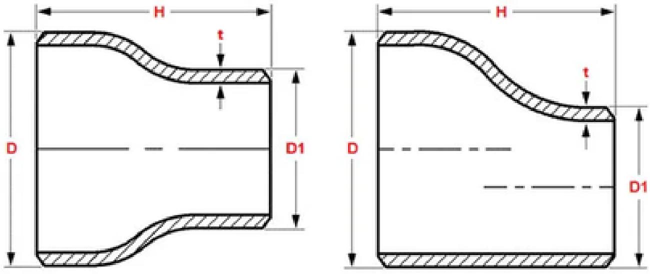




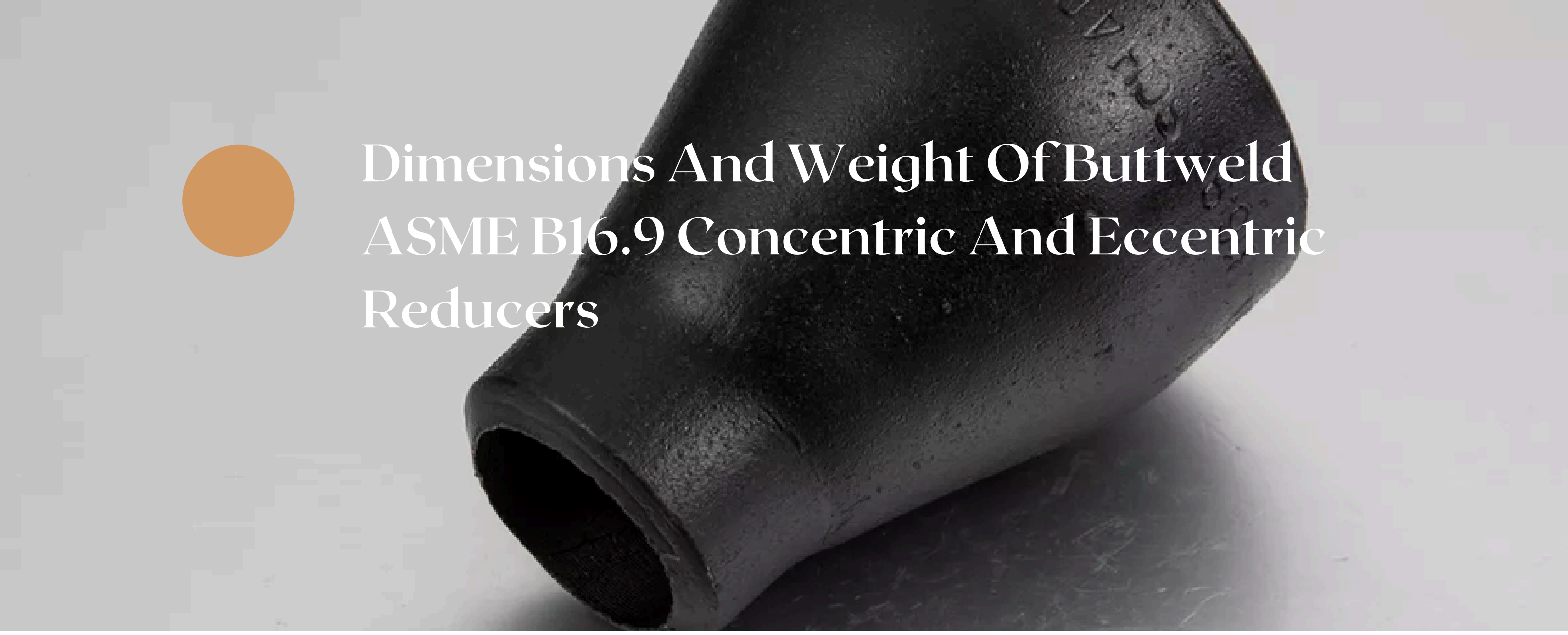
NPOS		Tee & CapY (Outside Diameter)	Tee & CapT (Wall Thickness)		TeeC And M	TeeWeight	CapEnd To End	CapWeight
Mm	In	Mm	Mm	Schedule	Mm	Kg	Mm	Kg
15	1/2"	21.3	2.78	STD	25.4	0.58		
			3.73	X.S	25.4	0.21		
20	3/4"	26.7	2.87	STD	28.6	0.21		
			3.91	X.S	28.6	0.27		
25	1"	33.4	3.38	STD	38.1	0.34	38.1	0.1
			4.55	X.S	38.1	0.43	38.1	0.14
32	11/4"	42.2	3.56	STD	47.6	0.64	38.1	0.14
			4.85	X.S	47.6	0.75	38.1	0.18
40	11/2"	48.3	3.68	STD	57.1	0.95	38.1	0.18
			5.08	X.S	57.1	1.13	38.1	0.23
50	2"	60.3	3.91	STD	63.5	1.45	38.1	0.27
			5.54	X.S	63.5	1.72	38.1	0.32
65	21/2"	73.0	5.16	STD	76.2	2.45	38.1	0.41
			7.01	X.S	76.2	2.95	38.1	0.45
80	3"	88.9	5.49	STD	85.7	3.45	50.8	0.64
			7.62	X.S	85.7	4.3	50.8	0.82
100	4"	114.3	6.02	STD	105.0	5.7	63.5	1.13
			8.56	X.S	105.0	7.3	63.5	1.54
125	5"	141.3	6.65	STD	124.0	9.1	76.2	1.91
			9.5	X.S	124.0	11.8	76.2	2.59
150	6"	168.3	7.11	STD	143.0	13.6	88.9	2.95
			10.97	X.S	143.0	19.0	88.9	4.1
200	8"	219.1	8.18	STD	178.0	25.0	101.6	5.0
			12.7	X.S	178.0	33.5	101.6	7.3
250	10"	273.0	9.27	STD	216.0	41.0	127.0	9.1
			12.7	X.S	216.0	54.0	127.0	12.0
300	12"	323.9	9.52	STD	254.0	57.0	152.4	13.6
			12.7	X.S	254.0	77.0	152.4	17.0
350	14"	355.6	9.52	STD	279.0	73.0	165.1	15.9
			12.7	X.S	279.0	93.0	165.1	21.0
400	16"	406.4	9.52	STD	305.0	91.0	178.8	20.0
			12.7	X.S	305.0	120.0	178.8	26.0
450	18"	457.0	9.52	STD	343.0	127.0	203.2	26.0
			12.7	X.S	343.0	165.0	203.2	34.0
500	20"	508.0	9.52	STD	381.0	227.0	228.6	33.0
			12.7	X.S	381.0	270.0	228.6	43.0
600	24"	610.0	9.52	STD	432.0	345.0	266.7	46.0
			12.7	X.S	432.0	430.0	266.7	61.0

Dimensions And Weight Of Buttweld ASME B16.9 Concentric And Eccentric Reducers

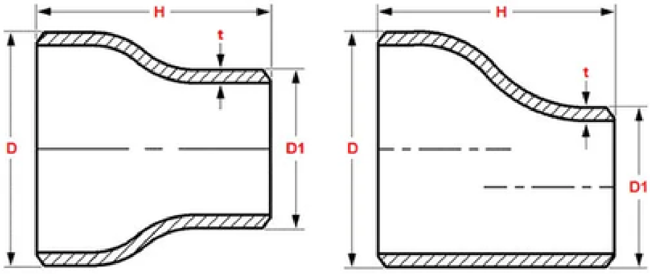




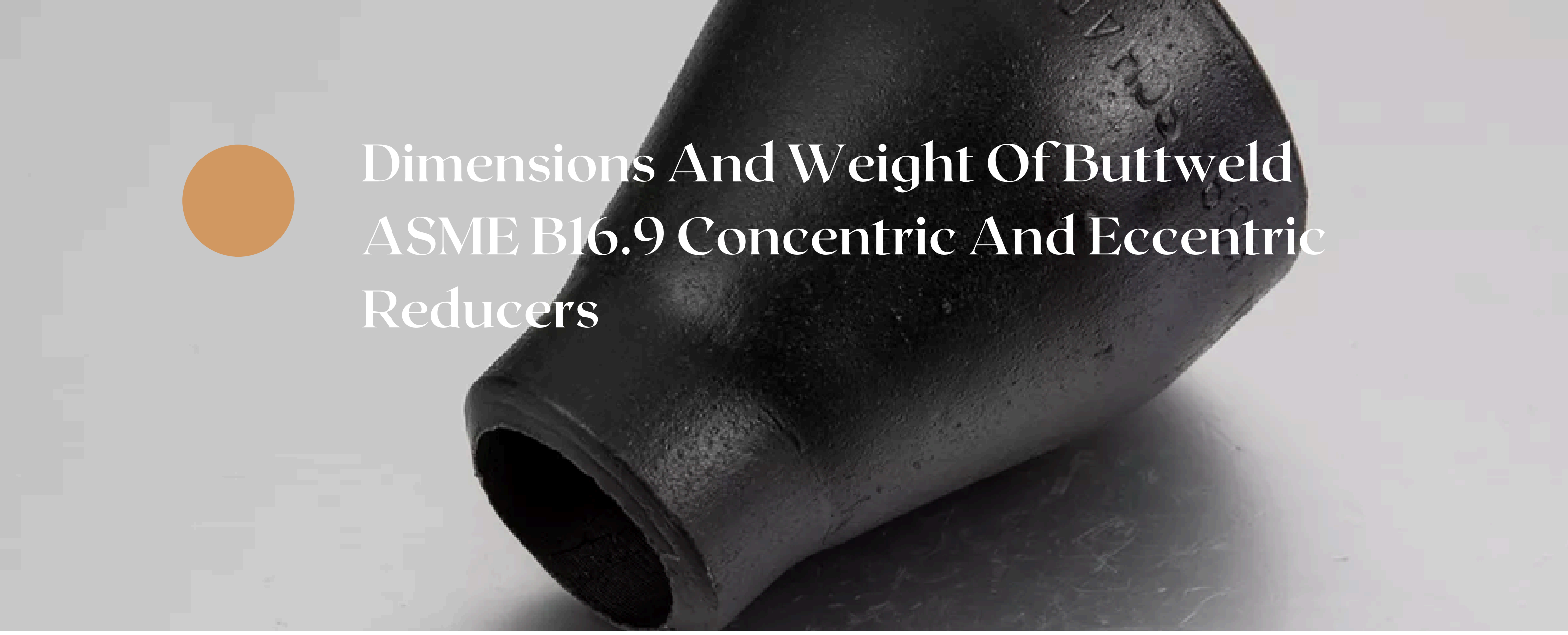
NPS	O.D.D	O.D.D1	LengthH
3/4 - 1/2	26.7	21.3	38
1 - 1/2	33.4	21.3	51
1 - 3/4	33.4	26.7	51
1.1/4 - 1/2	42.2	21.3	51
1.1/4 - 3/4	42.2	26.7	51
1.1/4 - 1	42.2	33.4	51
1.1/2 - 1/2	48.3	21.3	64
1.1/2 - 3/4	48.3	26.7	64
1.1/2 - 1	48.3	33.4	64
1.1/2 - 1.1/4	48.3	42.2	64
2 - 3/4	60.3	26.7	76
2 - 1	60.3	33.4	76
2 - 1.1/4	60.3	42.2	76
2 - 1.1/2	60.3	48.3	76
2.1/2 - 1	73	33.4	89
2.1/2 - 1.1/4	73	42.2	89
2.1/2 - 1.1/2	73	48.3	89
2.1/2 - 2	73	60.3	89
3 - 1.1/4	88.9	42.2	89
3 - 1.1/2	88.9	48.3	89
3 - 2	88.9	60.3	89
3 - 2.1/2	88.9	73	89
3.1/2 - 1.1/4	101.6	42.2	102
3.1/2 - 1.1/2	101.6	48.3	102
3.1/2 - 2	101.6	60.3	102
3.1/2 - 2.1/2	101.6	73	102
3.1/2 - 3	101.6	88.9	102
4 - 1.1/2	114.3	48.3	102
4 - 2	114.3	60.3	102
4 - 2.1/2	114.3	73	102
4 - 3	114.3	88.9	102
4 - 3.1/2	114.3	101.6	102
5 - 2	141.3	60.3	127
5 - 2.1/2	141.3	73	127
5 - 3	141.3	88.9	127
5 - 3.1/2	141.3	101.6	127
5 - 4	141.3	114.3	127



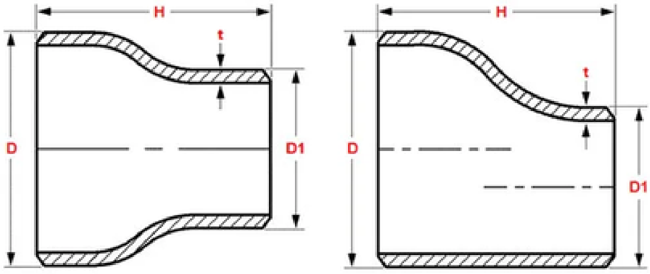
Dimensions And Weight Of Buttweld ASME B16.9 Concentric And Eccentric Reducers



NPS	O.D.D	O.D.D1	LengthH
6 - 2.1/2	168.3	73	140
6 - 3	168.3	88.9	140
6 - 3.1/2	168.3	101.6	140
6 - 4	168.3	114.3	140
6 - 5	168.3	141.3	140
8 - 3.1/2	219.1	101.6	152
8 - 4	219.1	114.3	152
8 - 5	219.1	141.3	152
8 - 6	219.1	168.3	152
10 - 4	273	114.3	178
10 - 5	273	141.3	178
10 - 6	273	168.3	178
10 - 8	273	219.1	178
12 - 5	323.9	141.3	203
12 - 6	323.9	168.3	203
12 - 8	323.9	219.1	203
12 - 10	323.9	273	203
14 - 6	355.6	168.3	330
14 - 8	355.6	219.1	330
14 - 10	355.6	273	330
14 - 12	355.6	323.9	330
16 - 8	406.4	219	356
16 - 10	406.4	273	356
16 - 12	406.4	323.9	356
16 - 14	406.4	355.6	356
18 - 10	457	273	381
18 - 12	457	323.9	381
18 - 14	457	355.6	381
18 - 16	457	406.4	381
20 - 12	508	323.9	508
20 - 14	508	355.6	508
20 - 16	508	406.4	508
20 - 18	508	457	508

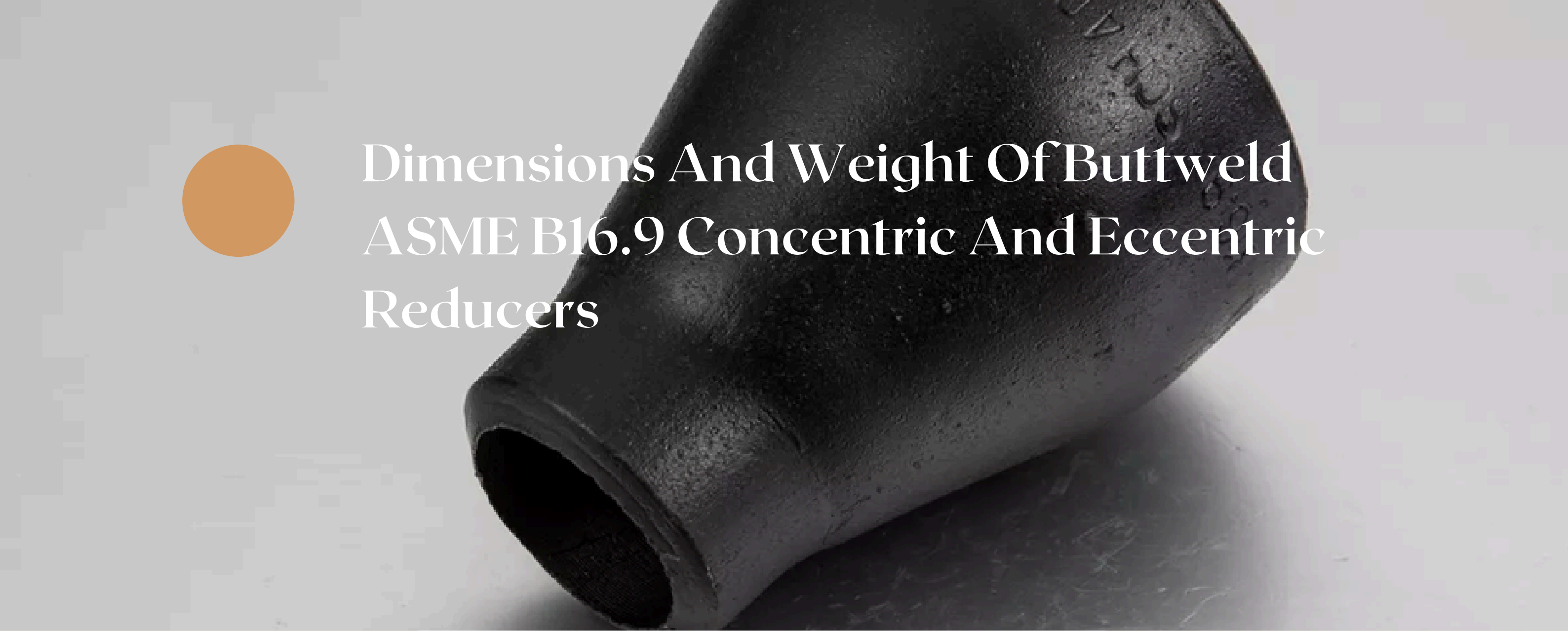


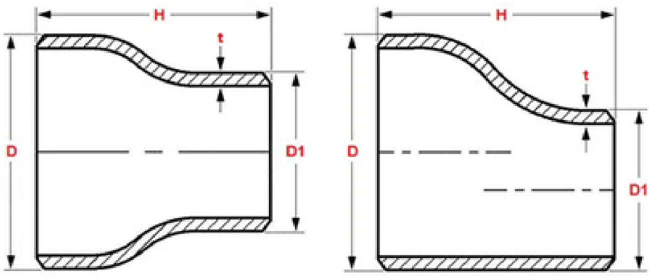
Dimensions And Weight Of Buttweld ASME B16.9 Concentric And Eccentric Reducers



NPS	O.D.D	O.D.D1	LengthH
22 - 14	559	355.6	508
22 - 16	559	406.4	508
22 - 18	559	457	508
22 - 20	559	508	508
24 - 16	610	406.4	508
24 - 18	610	457	508
24 - 20	610	508	508
24 - 22	610	559	508
26 - 18	660	457	610
26 - 20	660	508	610
26 - 22	660	559	610
26 - 24	660	610	610
28 - 18	711	457	610
28 - 20	711	508	610
28 - 24	711	610	610
28 - 26	711	660	610
30 - 20	762	508	610
30 - 24	762	610	610
30 - 26	762	660	610
30 - 28	762	711	610
32 - 24	813	610	610
32 - 26	813	660	610
32 - 28	813	711	610
32 - 30	813	762	610
34 - 24	864	610	610
34 - 26	864	660	610
34 - 30	864	762	610
34 - 32	864	813	610
36 - 24	914	610	610
36 - 26	914	660	610
36 - 30	914	762	610
36 - 32	914	813	610
36 - 34	914	864	610
38 - 26	965	660	610
38 - 28	965	711	610
38 - 30	965	762	610
38 - 32	965	813	610
38 - 34	965	864	610
38 - 36	965	914	610
40 - 30	1016	762	610
40 - 32	1016	813	610
40 - 34	1016	864	610
40 - 36	1016	914	610
40 - 38	1016	965	610

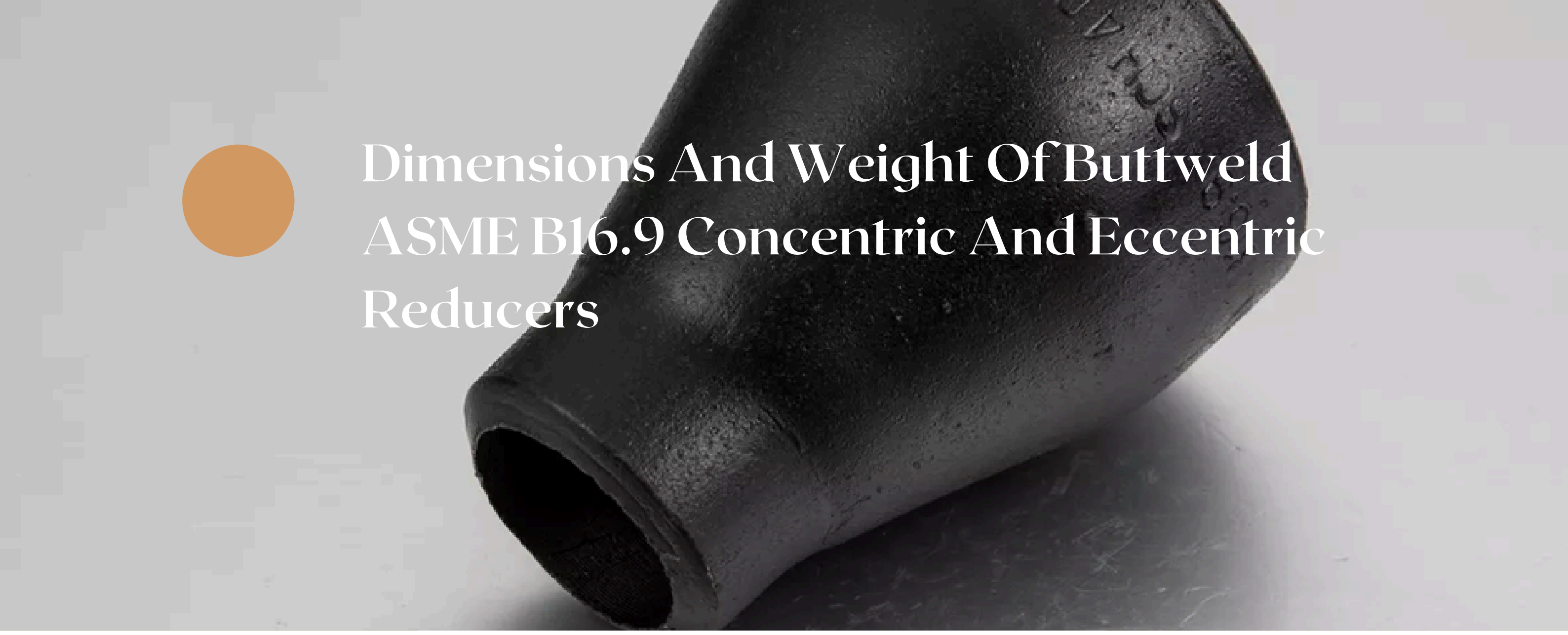
Dimensions And Weight Of Buttweld ASME B16.9 Concentric And Eccentric Reducers

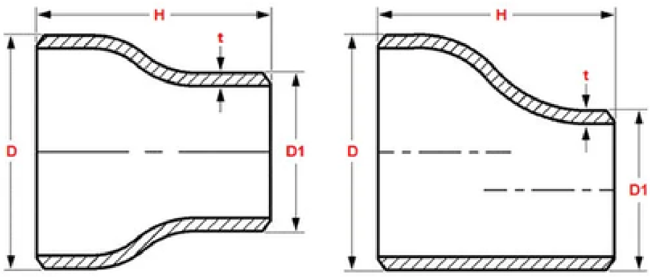




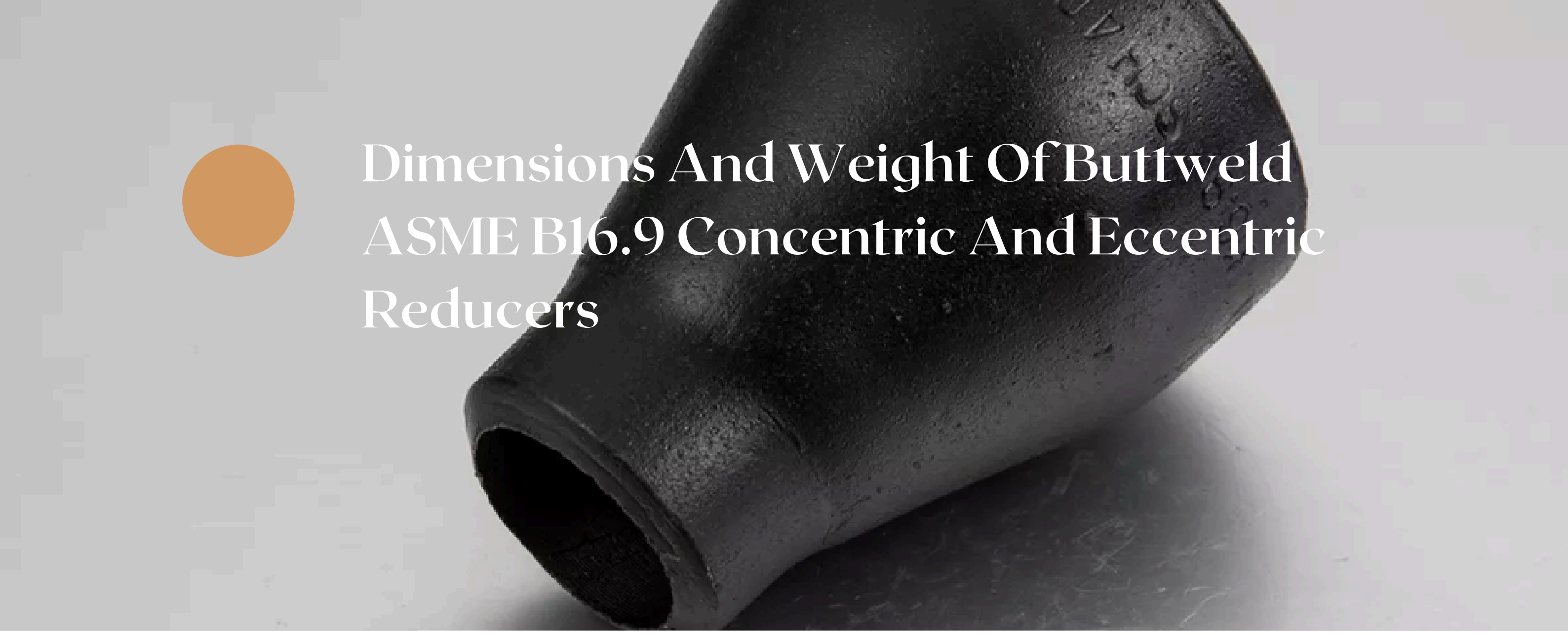
NPS	LBS	KG
3/4-1/2	0.17	0.08
3/4-3/8	0.15	0.07
1-3/4	0.4	0.18
1-1/2	0.4	0.18
1.1/4-1	0.5	0.23
1.1/4-3/4	0.4	0.18
1.1/4-1/2	0.4	0.18
1.1/2-1.1/4	0.7	0.32
1.1/2-1	0.62	0.28
1.1/2-3/4	0.54	0.24
1.1/2-1/2	0.5	0.23
2-1.1/2	0.9	0.41
2-1.1/4	0.84	0.38
2-1	0.76	0.34
2-3/4	0.7	0.32
2.1/2-2	1.5	0.68
2.1/2-1.1/2	1.38	0.63
2.1/2-1.1/4	1.25	0.57
2.1/2-1	1.25	0.57
3-2.1/2	2	0.91
3-2	1.8	0.82
3-1.1/2	1.7	0.77
3-1.1/4	1.6	0.73
3.1/2-3	3.15	1.43
3.1/2-2.1/2	2.88	1.31
3.1/2-2	2.75	1.25
3.1/2-1.1/2	2.5	1.13
3.1/2-1.1/4	2.4	1.09
4-3.1/2	3.5	1.59
4-3	3.38	1.53
4-2.1/2	3.25	1.47
4-2	3	1.36
4-1.1/2	2.88	1.31
5-4	6	2.72
5-3.1/2	5.75	2.61
5-3	5.5	2.49
5-2.1/2	5.25	2.38
5-2	5	2.27

Dimensions And Weight Of Buttweld ASME B16.9 Concentric And Eccentric Reducers

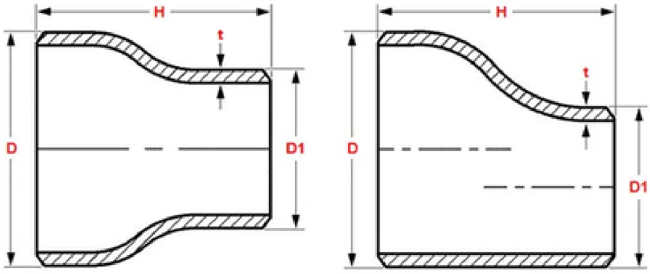




NPS	LBS	KG
6-5	8.5	3.86
6-4	8.25	3.74
6-3.1/2	8.25	3.74
6-3	8	3.63
6-2.1/2	7.25	3.29
8-6	13.2	5.99
8-5	12	5.44
8-4	11	4.99
8-3.1/2	11	4.99
10-8	22	9.98
10-6	21.5	9.75
10-5	21	9.53
10-4	20	9.07
12-10	34	15.42
12-8	32	14.51
12-6	31	14.06
12-5	30	13.61
14-12	60	27.22
14-10	59.2	26.85
14-8	58.5	26.54
14-6	58	26.31
16-14	71	32.21
16-12	70	31.75
16-10	69.5	31.52
16-8	68.5	31.07
16-6	-	-
18-16	85	38.56
18-14	84	38.1
18-12	83	37.65
18-10	82	37.19
18-8	-	-

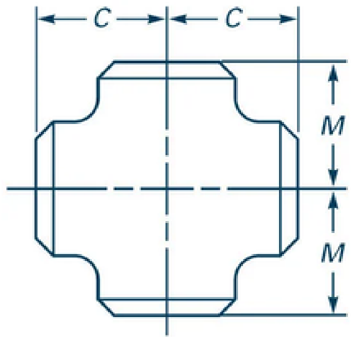


Dimensions And Weight Of Buttweld ASME B16.9 Concentric And Eccentric Reducers



NPS	LBS	KG
20-18	125	56.7
20-16	124	56.25
20-14	122	55.34
20-12	120	54.43
20-10	-	-
20-8	-	-
22-20	142	64.41
22-18	138	62.6
22-16	131	59.42
22-14	123	55.79
22-12	-	-
22-10	-	-
24-22	-	-
24-20	150	68.04
24-18	148	67.13
24-16	145	65.77
24-14	-	-
24-12	-	-
24-10	-	-
26-24	207	93.89
26-22	200	90.72
26-20	190	86.18
26-18	182	82.55
26-16	-	-
26-14	-	-
26-12	-	-
28-26	224	101.6
28-24	216	97.98
28-22	210	95.25
28-20	199	90.26
30-28	241	109.32
30-26	232	105.23
30-24	224	101.6
30-22	220	99.79
30-20	220	99.79

Dimensions And Weight Of Buttweld ASME B16.9 Straight Cross



Nominal Pipe Size	Outside Diameter At Bevel	Center To End	
		Run, C	Outlet, M
1/2	21.3	25	25
3/4	26.7	29	29
1	33.4	38	38
11/4	42.2	48	48
11/2	48.3	57	57
2	60.3	64	64
21/2	73	76	76
3	88.9	86	86
31/2	101.6	95	95
4	114.3	105	105
5	141.3	124	124
6	168.3	143	143
8	219.1	178	178
10	273	216	216
12	323.8	254	254
14	355.6	279	279
16	406.4	305	305
18	457	343	343
20	508	381	381
22	559	419	419
24	610	432	432
26	660	495	495
28	711	521	521
30	762	559	559
32	813	597	597
34	864	635	635
36	914	673	673
38	965	711	711
40	1016	749	749
42	1067	762	711
44	1118	813	762
46	1168	851	800
48	1219	889	838

Dimensions And Weight Of Buttweld ASME B16.9 Reducing Cross

Nominal Pipe Size	Outside Diameter At Bevel		Center To End	
	Run	Outlet	Run, C	Outlet, M
1/2 X 1/2 X 3/8	21.3	17.3	25	25
1/2 X 1/2 X 1/4	21.3	13.7	25	25
3/4 X 3/4 X 1/2	26.7	21.3	29	29
3/4 X 3/4 X 3/8	26.7	17.3	29	29
1 X 1 X 3/4	33.4	26.7	38	38
1 X 1 X 1/2	33.4	21.3	38	38
11/4 X 11/4 X 1	42.2	33.4	48	48
11/4 X 11/4 X 3/4	42.2	26.7	48	48
11/4 X 11/4 X 1/2	42.2	21.3	48	48
11/2 X 11/2 X 11/4	48.3	42.2	57	57
11/2 X 11/2 X 1	48.3	33.4	57	57
11/2 X 11/2 X 3/4	48.3	26.7	57	57
11/2 X 11/2 X 1/2	48.3	21.3	57	57
2 X 2 X 11/2	60.3	48.3	64	60
2 X 2 X 11/4	60.3	42.2	64	57
2 X 2 X 1	60.3	33.4	64	51
2 X 2 X 3/4	60.3	26.7	64	44
21/2 X 21/2 X 2	73.0	60.3	76	70
21/2 X 21/2 X 11/2	73.0	48.3	76	67
21/2 X 21/2 X 11/4	73.0	42.2	76	64
21/2 X 21/2 X 1	73.0	33.4	76	57
3 X 3 X 21/2	88.9	73.0	86	83
3 X 3 X 2	88.9	60.3	86	76
3 X 3 X 11/2	88.9	48.3	86	73
3 X 3 X 11/4	88.9	42.2	86	70
31/2 X 31/2 X 3	101.6	88.9	95	92
31/2 X 31/2 X 21/2	101.6	73.0	95	89
31/2 X 31/2 X 2	101.6	60.3	95	83
31/2 X 31/2 X 11/2	101.6	48.3	95	79
4 X 4 X 31/2	114.3	101.6	105	102
4 X 4 X 3	114.3	88.9	105	98
4 X 4 X 21/2	114.3	73.0	105	95
4 X 4 X 2	114.3	60.3	105	89
4 X 4 X 11/2	114.3	48.3	105	86
5 X 5 X 4	141.3	114.3	124	117
5 X 5 X 31/2	141.3	101.6	124	114
5 X 5 X 3	141.3	88.9	124	111
5 X 5 X 21/2	141.3	73.0	124	108
5 X 5 X 2	141.3	60.3	124	105
6 X 6 X 5	168.3	141.3	143	137
6 X 6 X 4	168.3	114.3	143	130
6 X 6 X 31/2	168.3	101.6	143	127
6 X 6 X 3	168.3	88.9	143	124
6 X 6 X 21/2	168.3	73.0	143	121
8 X 8 X 6	219.1	168.3	178	168
8 X 8 X 5	219.1	141.3	178	162
8 X 8 X 4	219.1	114.3	178	156
8 X 8 X 31/2	219.1	101.6	178	152
10 X 10 X 8	273.0	219.1	216	203
10 X 10 X 6	273.0	168.3	216	194
10 X 10 X 5	273.0	141.3	216	191
10 X 10 X 4	273.0	114.3	216	184

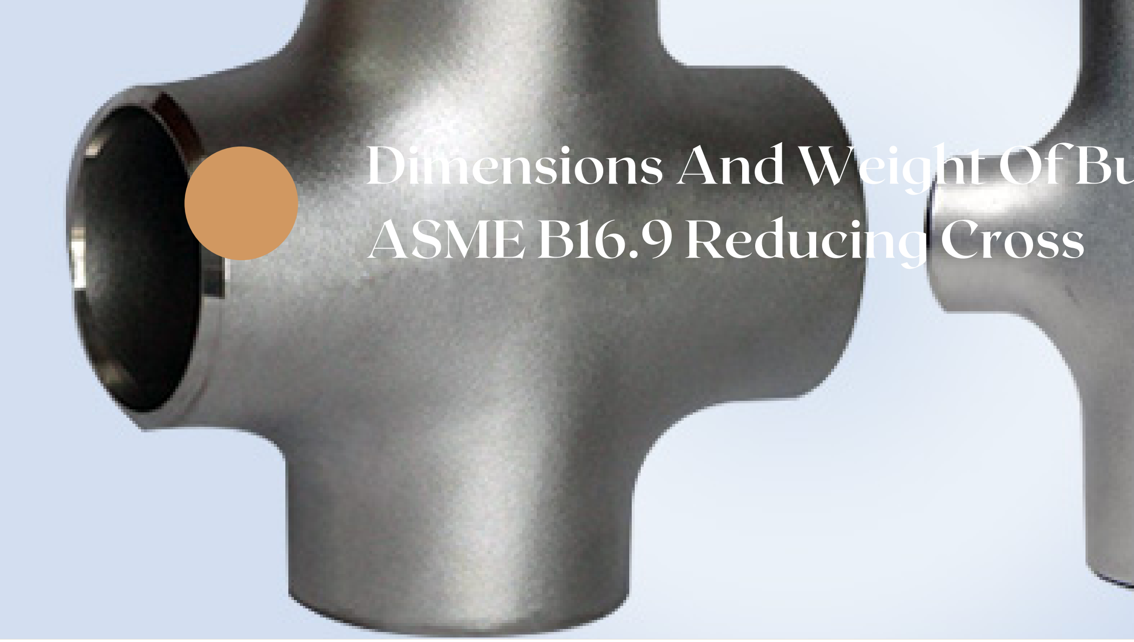
Dimensions And Weight Of Buttweld ASME B16.9 Reducing Cross

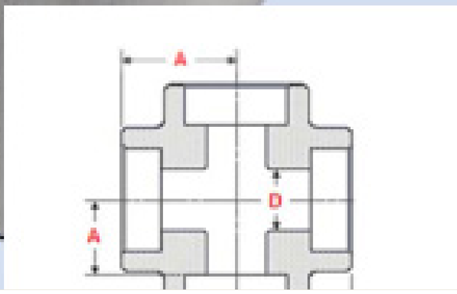
Nominal Pipe Size	Outside Diameter At Bevel		Center To End	
	Run	Outlet	Run, C	Outlet, M
12 X 12 X 10	323.8	273.0	254	241
12 X 12 X 8	323.8	219.1	254	229
12 X 12 X 6	323.8	168.3	254	219
12 X 12 X 5	323.8	141.3	254	216
14 X 14 X 12	355.6	323.8	279	270
14 X 14 X 10	355.6	273.0	279	257
14 X 14 X 8	355.6	219.1	279	248
14 X 14 X 6	355.6	168.3	279	238
16 X 16 X 14	406.4	355.6	305	305
16 X 16 X 12	406.4	323.8	305	295
16 X 16 X 10	406.4	273.0	305	283
16 X 16 X 8	406.4	219.1	305	273
16 X 16 X 6	406.4	168.3	305	264
18 X 18 X 16	457.0	406.4	343	330
18 X 18 X 14	457.0	355.6	343	330
18 X 18 X 12	457.0	323.8	343	321
18 X 18 X 10	457.0	273.0	343	308
18 X 18 X 8	457.0	219.1	343	298
20 X 20 X 18	508.0	457.0	381	368
20 X 20 X 16	508.0	406.4	381	356
20 X 20 X 14	508.0	355.6	381	356
20 X 20 X 12	508.0	323.8	381	346
20 X 20 X 10	508.0	273.0	381	333
20 X 20 X 8	508.0	219.1	381	324
22 X 22 X 20	559.0	508.0	419	406
22 X 22 X 18	559.0	457.0	419	394
22 X 22 X 16	559.0	406.4	419	381
22 X 22 X 14	559.0	355.6	419	381
22 X 22 X 12	559.0	323.8	419	371
22 X 22 X 10	559.0	273.0	419	359
24 X 24 X 22	610.0	559.0	432	432
24 X 24 X 20	610.0	508.0	432	432
24 X 24 X 18	610.0	457.0	432	419
24 X 24 X 16	610.0	406.4	432	406
24 X 24 X 14	610.0	355.6	432	406
24 X 24 X 12	610.0	323.8	432	397
24 X 24 X 10	610.0	273.0	432	384
26 X 26 X 24	660.0	610.0	495	483
26 X 26 X 22	660.0	559.0	495	470
26 X 26 X 20	660.0	508.0	495	457
26 X 26 X 18	660.0	457.0	495	444
26 X 26 X 16	660.0	406.4	495	432
26 X 26 X 14	660.0	355.6	495	432
26 X 26 X 12	660.0	323.8	495	422

Dimensions And Weight Of Buttweld ASME B16.9 Reducing Cross

Nominal Pipe Size	Outside Diameter At Bevel		Center To End	
	Run	Outlet	Run, C	Outlet, M
28 X 28 X 26	711	660.0	521	521
28 X 28 X 24	711	610.0	521	508
28 X 28 X 22	711	559.0	521	495
28 X 28 X 20	711	508.0	521	483
28 X 28 X 18	711	457.0	521	470
28 X 28 X 16	711	406.4	521	457
28 X 28 X 14	711	355.6	521	457
28 X 28 X 12	711	323.8	521	448
30 X 30 X 28	762	711.0	559	546
30 X 30 X 26	762	660.0	559	546
30 X 30 X 24	762	610.0	559	533
30 X 30 X 22	762	559.0	559	521
30 X 30 X 20	762	508.0	559	508
30 X 30 X 18	762	457.0	559	495
30 X 30 X 16	762	406.4	559	483
30 X 30 X 14	762	355.6	559	483
30 X 30 X 12	762	323.8	559	473
30 X 30 X 10	762	273.0	559	460
32 X 32 X 30	813	762.0	597	584
32 X 32 X 28	813	711.0	597	572
32 X 32 X 26	813	660.0	597	572
32 X 32 X 24	813	610.0	597	559
32 X 32 X 22	813	559.0	597	546
32 X 32 X 20	813	508.0	597	533
32 X 32 X 18	813	457.0	597	521
32 X 32 X 16	813	406.4	597	508
32 X 32 X 14	813	355.6	597	508
34 X 34 X 32	864	813.0	635	622
34 X 34 X 30	864	762.0	635	610
34 X 34 X 28	864	711.0	635	597
34 X 34 X 26	864	660.0	635	597
34 X 34 X 24	864	610.0	635	584
34 X 34 X 22	864	559.0	635	572
34 X 34 X 20	864	508.0	635	559
34 X 34 X 18	864	457.0	635	546
34 X 34 X 16	864	406.4	635	533
36 X 36 X 34	914	864.0	673	660
36 X 36 X 32	914	813.0	673	648
36 X 36 X 30	914	762.0	673	635
36 X 36 X 28	914	711.0	673	622
36 X 36 X 26	914	660.0	673	622
36 X 36 X 24	914	610.0	673	610
36 X 36 X 22	914	559.0	673	597
36 X 36 X 20	914	508.0	673	584
36 X 36 X 18	914	457.0	673	572
36 X 36 X 16	914	406.4	673	559

Dimensions And Weight Of Buttweld ASME B16.9 Reducing Cross

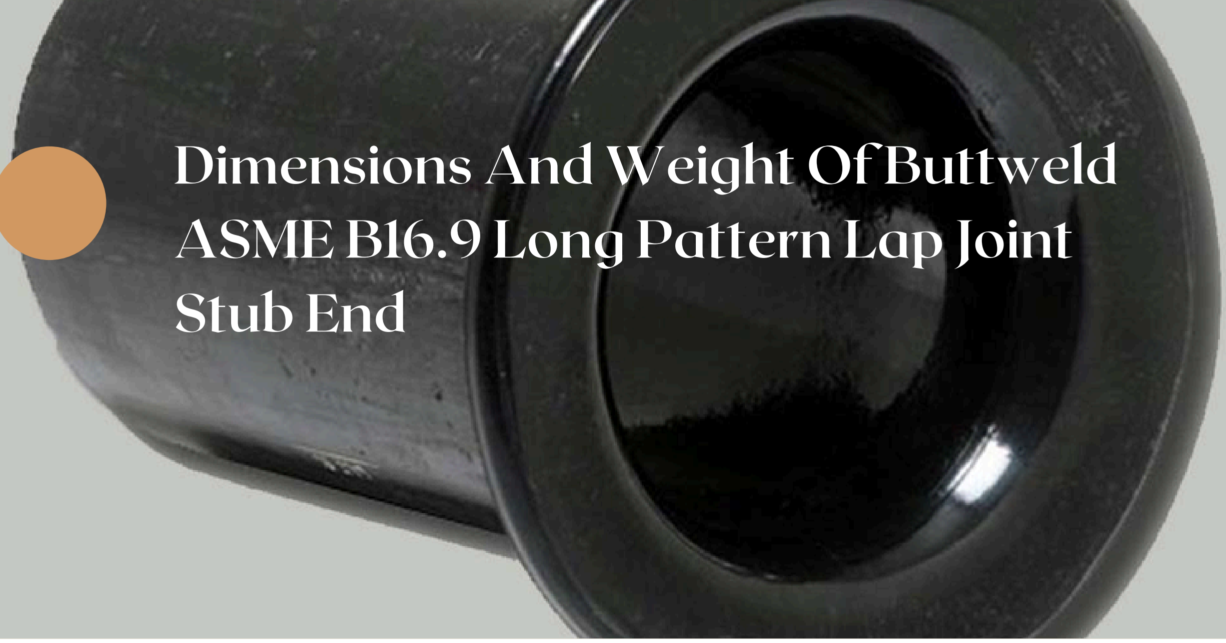




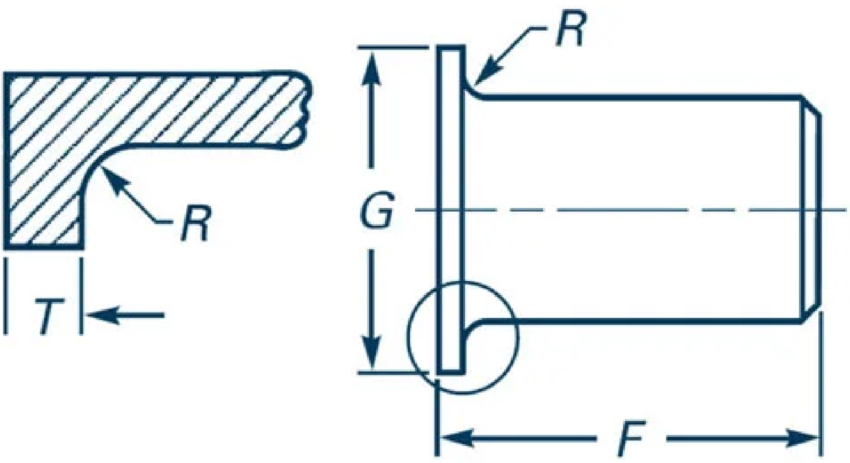
Nominal Pipe Size	Outside Diameter At Bevel		Center To End	
	Run	Outlet	Run, C	Outlet, M
38 X 38 X 36	965	914.0	711	711
38 X 38 X 34	965	864.0	711	698
38 X 38 X 32	965	813.0	711	686
38 X 38 X 30	965	762.0	711	673
38 X 38 X 28	965	711.0	711	648
38 X 38 X 26	965	660.0	711	648
38 X 38 X 24	965	610.0	711	635
38 X 38 X 22	965	559.0	711	622
38 X 38 X 20	965	508.0	711	610
38 X 38 X 18	965	457.0	711	597
40 X 40 X 38	1016	965.0	749	749
40 X 40 X 36	1016	914.0	749	737
40 X 40 X 34	1016	864.0	749	724
40 X 40 X 32	1016	813.0	749	711
40 X 40 X 30	1016	762.0	749	698
40 X 40 X 28	1016	711.0	749	673
40 X 40 X 26	1016	660.0	749	673
40 X 40 X 24	1016	610.0	749	660
40 X 40 X 22	1016	559.0	749	648
40 X 40 X 20	1016	508.0	749	635
40 X 40 X 18	1016	457.0	749	622
42 X 42 X 40	1067	1016.0	762	711
42 X 42 X 38	1067	965.0	762	711
42 X 42 X 36	1067	914.0	762	711
42 X 42 X 34	1067	864.0	762	711
42 X 42 X 32	1067	813.0	762	711
42 X 42 X 30	1067	762.0	762	711
42 X 42 X 28	1067	711.0	762	698
42 X 42 X 26	1067	660.0	762	698
42 X 42 X 24	1067	610.0	762	660
42 X 42 X 22	1067	559.0	762	660
42 X 42 X 20	1067	508.0	762	660
42 X 42 X 18	1067	457.0	762	648
42 X 42 X 16	1067	406.4	762	635

Dimensions And Weight Of Buttweld ASME B16.9 Reducing Cross

Nominal Pipe Size	Outside Diameter At Bevel		Center To End	
	Run	Outlet	Run, C	Outlet, M
44 X 44 X 42	1118	1067.0	813	762
44 X 44 X 40	1118	1016.0	813	749
44 X 44 X 38	1118	965.0	813	737
44 X 44 X 36	1118	914.0	813	724
44 X 44 X 34	1118	864.0	813	724
44 X 44 X 32	1118	813.0	813	711
44 X 44 X 30	1118	762.0	813	711
44 X 44 X 28	1118	711.0	813	698
44 X 44 X 26	1118	660.0	813	698
44 X 44 X 24	1118	610.0	813	698
44 X 44 X 22	1118	559.0	813	686
44 X 44 X 20	1118	508.0	813	686
46 X 46 X 44	1168	1118.0	851	800
46 X 46 X 42	1168	1067.0	851	787
46 X 46 X 40	1168	1016.0	851	775
46 X 46 X 38	1168	965.0	851	762
46 X 46 X 36	1168	914.0	851	762
46 X 46 X 34	1168	864.0	851	749
46 X 46 X 32	1168	813.0	851	749
46 X 46 X 30	1168	762.0	851	737
46 X 46 X 28	1168	711.0	851	737
46 X 46 X 26	1168	660.0	851	737
46 X 46 X 24	1168	610.0	851	724
46 X 46 X 22	1168	559.0	851	724
48 X 48 X 46	1219	1168.0	889	838
48 X 48 X 44	1219	1118.0	889	838
48 X 48 X 42	1219	1067.0	889	813
48 X 48 X 40	1219	1016.0	889	813
48 X 48 X 38	1219	965.0	889	813
48 X 48 X 36	1219	914.0	889	787
48 X 48 X 34	1219	864.0	889	787
48 X 48 X 32	1219	813.0	889	787
48 X 48 X 30	1219	762.0	889	762
48 X 48 X 28	1219	711.0	889	762
48 X 48 X 26	1219	660.0	889	762
48 X 48 X 24	1219	610.0	889	737
48 X 48 X 22	1219	559.0	889	737

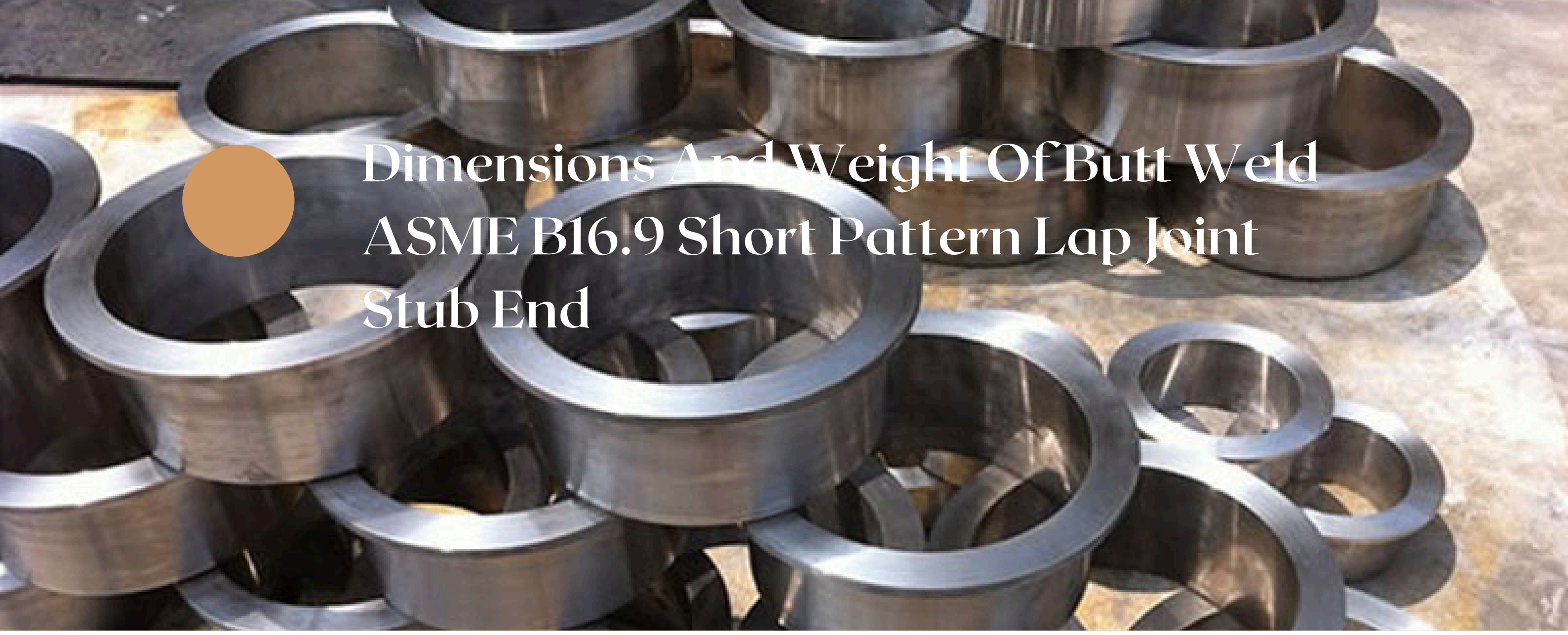


Dimensions And Weight Of Buttweld ASME B16.9 Long Pattern Lap Joint Stub End

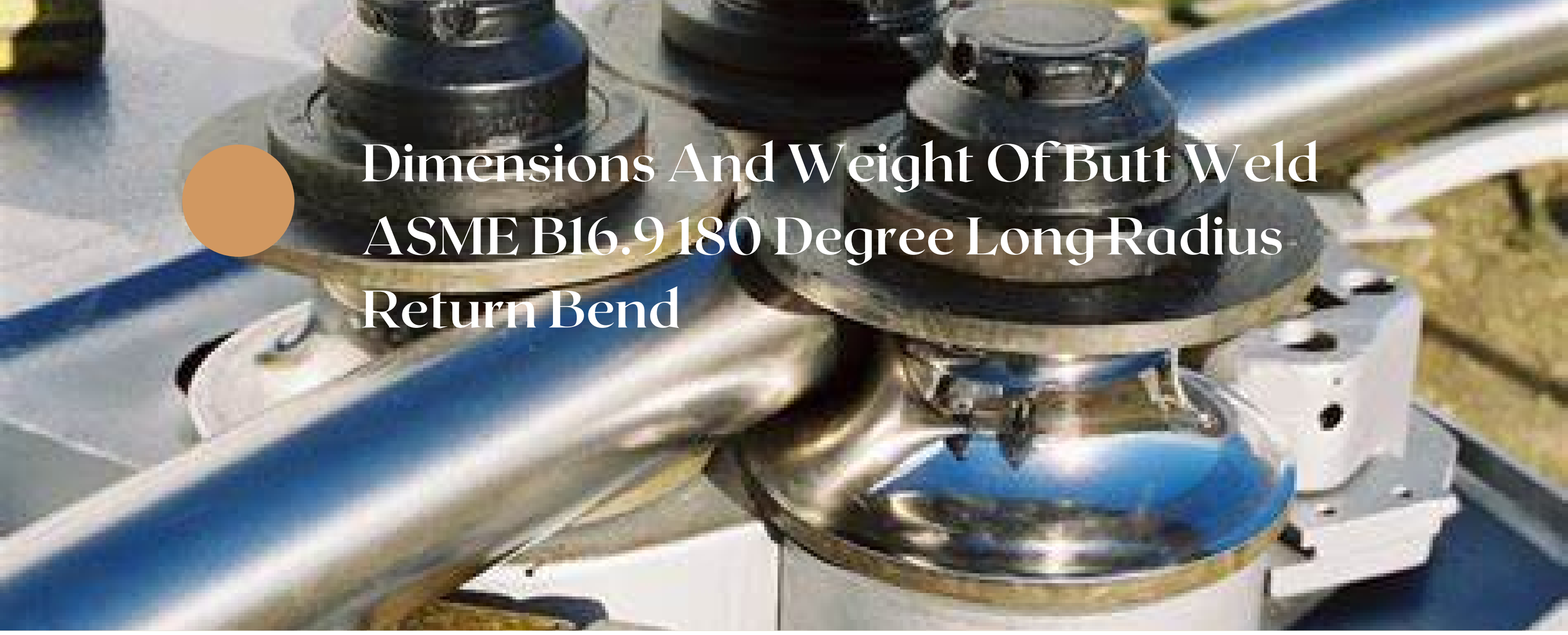


Nominal Pipe Size	Outside Diameter Of Barrel		Long Pattern Length,F	Radius Of Fillet,R	Diameter Of Lap,G
	Max	Min			
1/2	22.8	20.5	76	3	35
3/4	28.1	25.9	76	3	43
1	35.0	32.6	102	3	51
1 1/4	43.6	41.4	102	5	64
1 1/2	49.9	47.5	102	6	73
2	62.4	59.5	152	8	92
2 1/2	75.3	72.2	152	8	105
3	91.3	88.1	152	10	127
3 1/2	104.0	100.8	152	10	140
4	116.7	113.5	152	11	157
5	144.3	140.5	203	11	186
6	171.3	167.5	203	13	216
8	222.1	218.3	203	13	270
10	277.2	272.3	254	13	324
12	328.0	323.1	254	13	381
14	359.9	354.8	305	13	413
16	411.0	405.6	305	13	470
18	462.0	456.0	305	13	533
20	514.0	507.0	305	13	584
22	565.0	558.0	305	13	641
24	616.0	609.0	305	13	692

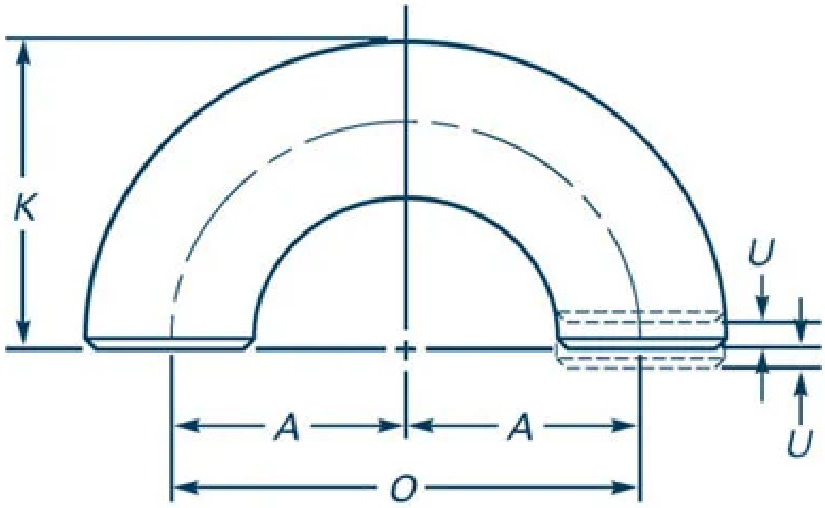
Dimensions And Weight Of Butt Weld ASME B16.9 Short Pattern Lap Joint Stub End



Nominal Pipe Size	Outside Diameter Of Barrel		Short Pattern Length,F	Radius Of Fillet,R	Diameter Of Lap,G
	Max	Min			
1/2	22.8	20.5	51	3	35
3/4	28.1	25.9	51	3	43
1	35.0	32.6	51	3	51
1 1/4	43.6	41.4	51	5	64
1 1/2	49.9	47.5	51	6	73
2	62.4	59.5	64	8	92
2 1/2	75.3	72.2	64	8	105
3	91.3	88.1	64	10	127
3 1/2	104.0	100.8	76	10	140
4	116.7	113.5	76	11	157
5	144.3	140.5	76	11	186
6	171.3	167.5	89	13	216
8	222.1	218.3	102	13	270
10	277.2	272.3	127	13	324
12	328.0	323.1	152	13	381
14	359.9	354.8	152	13	413
16	411.0	405.6	152	13	470
18	462.0	456.0	152	13	533
20	514.0	507.0	152	13	584
22	565.0	558.0	152	13	641
24	616.0	609.0	152	13	692

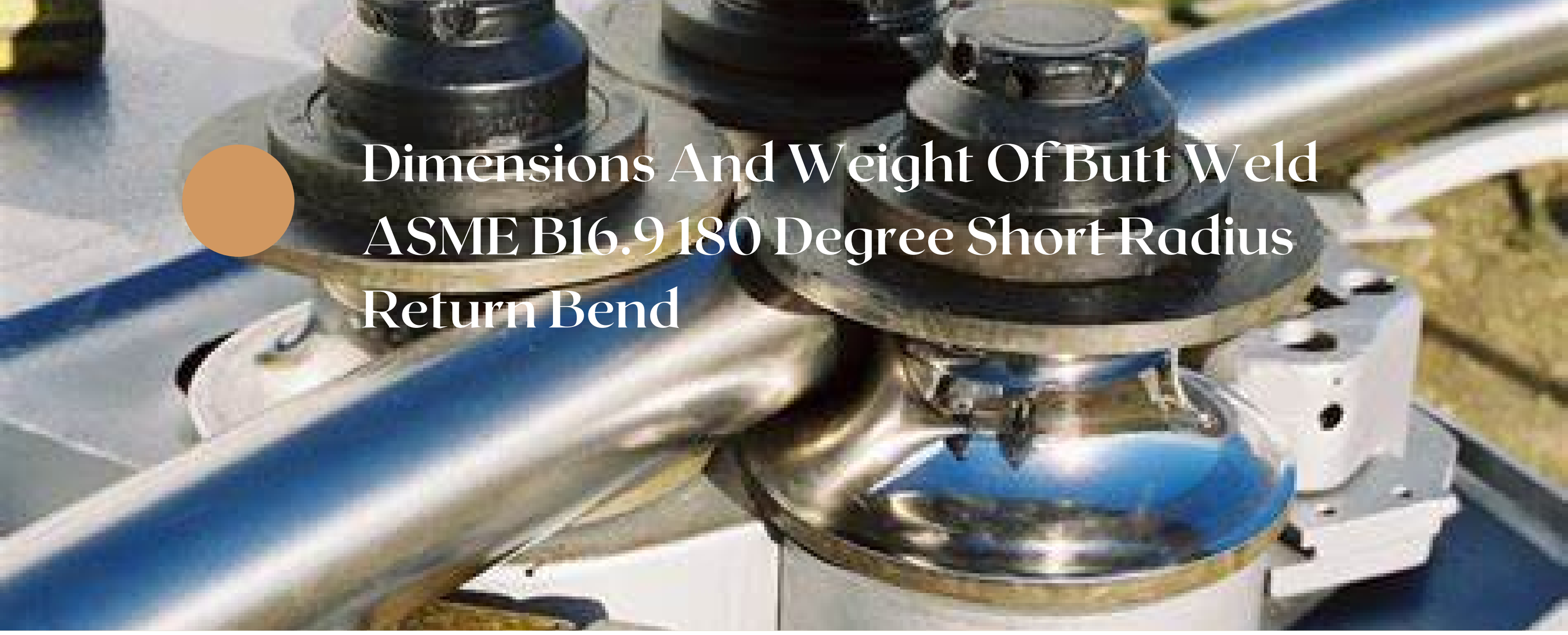


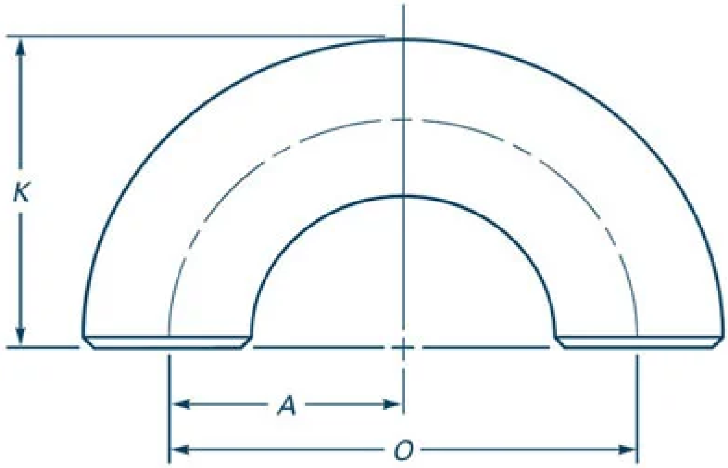
Dimensions And Weight Of Butt Weld ASME B16.9 180 Degree Long Radius Return Bend



Nominal Pipe Size	Outside Diameter At Bevel	Center To Center, O	Back To Face, K
1/2	21.3	76	48
3/4	26.7	76	51
1	33.4	76	56
1 1/4	42.2	95	70
1 1/2	48.3	114	83
2	60.3	152	106
2 1/2	73	190	132
3	88.9	229	159
3 1/2	101.6	267	184
4	114.3	305	210
5	141.3	381	262
6	168.3	457	313
8	219.1	610	414
10	273	762	518
12	323.8	914	619
14	355.6	1067	711
16	406.4	1219	813
18	457	1372	914
20	508	1524	1016
22	559	1676	1118
24	610	1829	1219

Dimensions And Weight Of Butt Weld ASME B16.9 180 Degree Short Radius Return Bend





Nominal Pipe Size	Outside Diameter At Bevel	Center To Center, O	Back To Face, K
1	33.4	51	41
1 1/4	42.2	64	52
1 1/2	48.3	76	62
2	60.3	102	81
2 1/2	73	127	100
3	88.9	152	121
3 1/2	101.6	178	140
4	114.3	203	159
5	141.3	254	197
6	168.3	305	237
8	219.1	406	313
10	273	508	391
12	323.8	610	467
14	355.6	711	533
16	406.4	813	610
18	457	914	686
20	508	1016	762
22	559	1118	838
24	610	1219	914

Application

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10. Pharmaceuticals
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