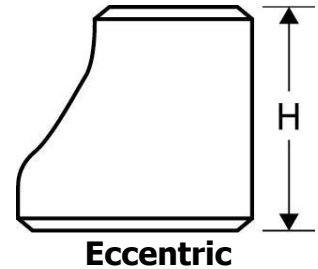
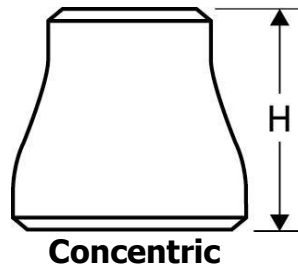


Concentric & Eccentric Reducers

STANDARD WEIGHT

Inches / Pounds



Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
3/4 x 1/2	1	1.030	0.804	0.113	0.840	0.622	0.109	0.21
1 x 1/2	2	1.315	1.049	0.133	0.840	0.622	0.109	0.36
1 x 3/4	2	1.315	1.049	0.133	1.030	0.804	0.113	0.36
1 1/4 x 1/2	2	1.660	1.380	0.140	0.840	0.622	0.109	0.42
1 1/4 x 3/4	2	1.660	1.380	0.140	1.030	0.804	0.113	0.42
1 1/4 x 1	2	1.660	1.380	0.140	1.315	1.049	0.133	0.48
1 1/2 x 1/2	2.5	1.900	1.610	0.145	0.840	0.622	0.109	0.56
1 1/2 x 3/4	2.5	1.900	1.610	0.145	1.030	0.804	0.113	0.56
1 1/2 x 1	2.5	1.900	1.610	0.145	1.315	1.049	0.133	0.57
1 1/2 x 1 1/4	2.5	1.900	1.610	0.145	1.660	1.380	0.140	0.65
2 x 3/4	3	2.375	2.067	0.154	1.030	0.804	0.113	0.74
2 x 1	3	2.375	2.067	0.154	1.315	1.049	0.133	0.81
2 x 1 1/4	3	2.375	2.067	0.154	1.660	1.380	0.140	0.88
2 x 1 1/2	3	2.375	2.067	0.154	1.900	1.610	0.145	0.94
2 1/2 x 1	3.5	2.875	2.469	0.203	1.315	1.049	0.133	1.3
2 1/2 x 1 1/4	3.5	2.875	2.469	0.203	1.660	1.380	0.140	1.4
2 1/2 x 1 1/2	3.5	2.875	2.469	0.203	1.900	1.610	0.145	1.5
2 1/2 x 2	3.5	2.875	2.469	0.203	2.375	2.067	0.154	1.6
3 x 1	3.5	3.500	3.068	0.216	1.315	1.049	0.133	1.7
3 x 1 1/4	3.5	3.500	3.068	0.216	1.660	1.380	0.140	1.8
3 x 1 1/2	3.5	3.500	3.068	0.216	1.900	1.610	0.145	1.9
3 x 2	3.5	3.500	3.068	0.216	2.375	2.067	0.154	2.0
3 x 2 1/2	3.5	3.500	3.068	0.216	2.875	2.469	0.203	2.2
3 1/2 x 1 1/4	4	4.000	3.548	0.226	1.660	1.380	0.140	2.5
3 1/2 x 1 1/2	4	4.000	3.548	0.226	1.900	1.610	0.145	2.6
3 1/2 x 2	4	4.000	3.548	0.226	2.375	2.067	0.154	2.6
3 1/2 x 2 1/2	4	4.000	3.548	0.226	2.875	2.469	0.203	2.7
3 1/2 x 3	4	4.000	3.548	0.226	3.500	3.068	0.216	2.8

Concentric & Eccentric Reducers – Standard Weight (Continued)

Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
4 X 1	4	4.500	4.026	0.237	1.315	1.049	0.133	2.8
4 X 1 ¼	4	4.500	4.026	0.237	1.660	1.380	0.140	3
4 X 1 ½	4	4.500	4.026	0.237	1.900	1.610	0.145	3
4 X 2	4	4.500	4.026	0.237	2.375	2.067	0.154	3.1
4 X 2 ½	4	4.500	4.026	0.237	2.875	2.469	0.203	3.2
4 X 3	4	4.500	4.026	0.237	3.500	3.068	0.216	3.3
4 X 3 ½	4	4.500	4.026	0.237	4.000	3.548	0.226	3.5
5 X 2	5	5.562	5.046	0.258	2.375	2.067	0.154	4.7
5 X 2 ½	5	5.562	5.046	0.258	2.875	2.469	0.203	4.8
5 X 3	5	5.562	5.046	0.258	3.500	3.068	0.216	5.1
5 X 3 ½	5	5.562	5.046	0.258	4.000	3.548	0.226	5.3
5 X 4	5	5.562	5.046	0.258	4.500	4.026	0.237	5.5
6 X 2	5.5	6.625	6.065	0.280	2.375	2.067	0.154	6.5
6 X 2 ½	5.5	6.625	6.065	0.280	2.875	2.469	0.203	6.6
6 X 3	5.5	6.625	6.065	0.280	3.500	3.068	0.216	6.9
6 X 3 ½	5.5	6.625	6.065	0.280	4.000	3.548	0.226	7.1
6 X 4	5.5	6.625	6.065	0.280	4.500	4.026	0.237	7.4
6 X 5	5.5	6.625	6.065	0.280	5.562	5.046	0.258	7.6
8 X 3	6	8.625	7.981	0.322	3.500	3.068	0.216	9.8
8 X 3 ½	6	8.625	7.981	0.322	4.000	3.548	0.226	10.6
8 X 4	6	8.625	7.981	0.322	4.500	4.026	0.237	10.8
8 X 5	6	8.625	7.981	0.322	5.562	5.046	0.258	11.5
8 X 6	6	8.625	7.981	0.322	6.625	6.065	0.280	12.3
10 X 4	7	10.750	10.020	0.365	4.500	4.026	0.237	18.4
10 X 5	7	10.750	10.020	0.365	5.562	5.046	0.258	19.5
10 X 6	7	10.750	10.020	0.365	6.625	6.065	0.280	20.7
10 X 8	7	10.750	10.020	0.365	8.625	7.981	0.322	22.1
12 X 4	8	12.750	12.000	0.375	4.500	4.026	0.237	26.2
12 X 5	8	12.750	12.000	0.375	5.562	5.046	0.258	27.8
12 X 6	8	12.750	12.000	0.375	6.625	6.065	0.280	29.5
12 X 8	8	12.750	12.000	0.375	8.625	7.981	0.322	30.5
12 X 10	8	12.750	12.000	0.375	10.750	10.020	0.365	32.4
14 X 6	13	14.000	13.250	0.375	6.625	6.065	0.280	59.2
14 X 8	13	14.000	13.250	0.375	8.625	7.981	0.322	60.0
14 X 10	13	14.000	13.250	0.375	10.750	10.020	0.365	61.4
14 X 12	13	14.000	13.250	0.375	12.750	12.000	0.375	63.1

Concentric & Eccentric Reducers – **Standard Weight** *(Continued)*

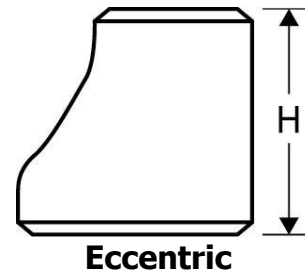
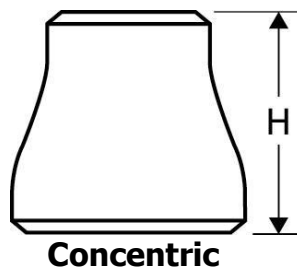
Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
16 X 6	14	16.000	15.250	0.375	6.625	6.065	0.280	67.4
16 X 8	14	16.000	15.250	0.375	8.625	7.981	0.322	69.4
16 X 10	14	16.000	15.250	0.375	10.750	10.020	0.365	71.1
16 X 12	14	16.000	15.250	0.375	12.750	12.000	0.375	72.7
16 X 14	14	16.000	15.250	0.375	14.000	13.250	0.375	75.4
18 X 10	15	18.000	17.250	0.375	10.750	10.020	0.365	83.7
18 X 12	15	18.000	17.250	0.375	12.750	12.000	0.375	84.8
18 X 14	15	18.000	17.250	0.375	14.000	13.250	0.375	86.0
18 X 16	15	18.000	17.250	0.375	16.000	15.250	0.375	87.3
20 X 10	20	20.000	19.250	0.375	10.750	10.020	0.365	117
20 X 12	20	20.000	19.250	0.375	12.750	12.000	0.375	118
20 X 14	20	20.000	19.250	0.375	14.000	13.250	0.375	119
20 X 16	20	20.000	19.250	0.375	16.000	15.250	0.375	121
20 X 18	20	20.000	19.250	0.375	18.000	17.250	0.375	123
24 X 10	20	24.000	23.250	0.375	10.750	10.020	0.365	141
24 X 12	20	24.000	23.250	0.375	12.750	12.000	0.375	144
24 X 14	20	24.000	23.250	0.375	14.000	13.250	0.375	147
24 X 16	20	24.000	23.250	0.375	16.000	15.250	0.375	150
24 X 18	20	24.000	23.250	0.375	18.000	17.250	0.375	153
24 X 20	20	24.000	23.250	0.375	20.000	19.250	0.375	156
24 X 22	20	24.000	23.250	0.375	22.000	21.250	0.375	160
30 X 18	24	30.000	29.250	0.375	18.000	17.250	0.375	315
30 X 20	24	30.000	29.250	0.375	20.000	19.250	0.375	315
30 X 24	24	30.000	29.250	0.375	24.000	23.250	0.375	315
36 X 20	24	36.000	35.250	0.375	20.000	19.250	0.375	379
36 X 24	24	36.000	35.250	0.375	24.000	23.250	0.375	379
36 X 30	24	36.000	35.250	0.375	30.000	29.250	0.375	379
42 X 24	24	42.000	41.250	0.375	24.000	23.250	0.375	443
42 X 30	24	42.000	41.250	0.375	30.000	29.250	0.375	443
42 X 36	24	42.000	41.250	0.375	36.000	35.250	0.375	443
48 X 30	28	48.000	47.250	0.375	30.000	29.250	0.375	525
48 X 36	28	48.000	47.250	0.375	36.000	35.250	0.375	525
48 X 42	28	16.000	15.250	0.375	6.625	6.065	0.280	525

*** Dimensions conform to ASME B16.9 & material conforms to ASTM SA-234 Grade B.**

Concentric & Eccentric Reducers

EXTRA Heavy

Inches / Pounds



Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
3/4 x 1/2	1.5	1.030	0.722	0.154	0.840	0.546	0.147	.25
1 x 1/2	2	1.315	0.957	0.179	0.840	0.546	0.147	.42
1 x 3/4	2	1.315	0.957	0.179	1.030	0.722	0.154	.43
1 1/4 x 1/2	2	1.660	1.278	0.191	0.840	0.546	0.147	.53
1 1/4 x 3/4	2	1.660	1.278	0.191	1.030	0.722	0.154	.53
1 1/4 x 1	2	1.660	1.278	0.191	1.315	0.957	0.179	.57
1 1/2 x 1/2	2.5	1.900	1.500	0.200	0.840	0.546	0.147	.65
1 1/2 x 3/4	2.5	1.900	1.500	0.200	1.030	0.722	0.154	.65
1 1/2 x 1	2.5	1.900	1.500	0.200	1.315	0.957	0.179	.72
1 1/2 x 1 1/4	2.5	1.900	1.500	0.200	1.660	1.278	0.191	.78
2 x 3/4	3	2.375	1.939	0.218	1.030	0.722	0.154	.94
2 x 1	3	2.375	1.939	0.218	1.315	0.957	0.179	1.0
2 x 1 1/4	3	2.375	1.939	0.218	1.660	1.278	0.191	1.1
2 x 1 1/2	3	2.375	1.939	0.218	1.900	1.500	0.200	1.2
2 1/2 x 1	3.5	2.875	2.323	0.276	1.315	0.957	0.179	1.5
2 1/2 x 1 1/4	3.5	2.875	2.323	0.276	1.660	1.278	0.191	1.7
2 1/2 x 1 1/2	3.5	2.875	2.323	0.276	1.900	1.500	0.200	1.9
2 1/2 x 2	3.5	2.875	2.323	0.276	2.375	1.939	0.218	2.1
3 x 1	3.5	3.500	2.900	0.300	1.315	0.957	0.179	2.2
3 x 1 1/4	3.5	3.500	2.900	0.300	1.660	1.278	0.191	2.3
3 x 1 1/2	3.5	3.500	2.900	0.300	1.900	1.500	0.200	2.4
3 x 2	3.5	3.500	2.900	0.300	2.375	1.939	0.218	2.6
3 x 2 1/2	3.5	3.500	2.900	0.300	2.875	2.323	0.276	2.8
3 1/2 x 1 1/4	4	4.000	3.364	0.318	1.660	1.278	0.191	3.3
3 1/2 x 1 1/2	4	4.000	3.364	0.318	1.900	1.500	0.200	3.3
3 1/2 x 2	4	4.000	3.364	0.318	2.375	1.939	0.218	3.3
3 1/2 x 2 1/2	4	4.000	3.364	0.318	2.875	2.323	0.276	3.5
3 1/2 x 3	4	4.000	3.364	0.318	3.500	2.900	0.300	3.7

Concentric & Eccentric Reducers – Extra Heavy (Continued)

Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
4 X 1	4	4.500	3.826	0.337	1.315	0.957	0.179	4
4 X 1 ¼	4	4.500	3.826	0.337	1.660	1.278	0.191	4.1
4 x 1 ½	4	4.500	3.826	0.337	1.900	1.500	0.200	4.2
4 x 2	4	4.500	3.826	0.337	2.375	1.939	0.218	4.3
4 x 2 ½	4	4.500	3.826	0.337	2.875	2.323	0.276	4.6
4 x 3	4	4.500	3.826	0.337	3.500	2.900	0.300	4.7
4 x 3 ½	4	4.500	3.826	0.337	4.000	3.364	0.318	4.9
5 X 2	5	5.562	4.812	0.375	2.375	1.939	0.218	6
5 X 2 ½	5	5.562	4.812	0.375	2.875	2.323	0.276	6.1
5 X 3	5	5.562	4.812	0.375	3.500	2.900	0.300	6.3
5 X 3 ½	5	5.562	4.812	0.375	4.000	3.364	0.318	6.9
5 X 4	5	5.562	4.812	0.375	4.500	3.826	0.337	7.5
6 X 2	5.5	6.625	5.761	0.432	2.375	1.939	0.218	8.6
6 X 2 ½	5.5	6.625	5.761	0.432	2.875	2.323	0.276	9.1
6 X 3	5.5	6.625	5.761	0.432	3.500	2.900	0.300	9.7
6 X 3 ½	5.5	6.625	5.761	0.432	4.000	3.364	0.318	10
6 X 4	5.5	6.625	5.761	0.432	4.500	3.826	0.337	10.7
6 X 5	5.5	6.625	5.761	0.432	5.562	4.812	0.375	11.5
8 X 3	6	8.625	7.625	0.500	3.500	2.900	0.300	15
8 X 3 ½	6	8.625	7.625	0.500	4.000	3.364	0.318	15.9
8 X 4	6	8.625	7.625	0.500	4.500	3.826	0.337	17
8 X 5	6	8.625	7.625	0.500	5.562	4.812	0.375	17.6
8 X 6	6	8.625	7.625	0.500	6.625	5.761	0.432	18.8
10 X 4	7	10.750	9.750	0.500	4.500	3.826	0.337	24.2
10 X 5	7	10.750	9.750	0.500	5.562	4.812	0.375	26.9
10 X 6	7	10.750	9.750	0.500	6.625	5.761	0.432	28.3
10 X 8	8	10.750	9.750	0.500	8.625	7.625	0.500	29.4
12 X 4	8	12.750	11.750	0.500	4.500	3.826	0.337	34.7
12 X 5	8	12.750	11.750	0.500	5.562	4.812	0.375	36.3
12 X 6	8	12.750	11.750	0.500	6.625	5.761	0.432	37.4
12 X 8	8	12.750	11.750	0.500	8.625	7.625	0.500	38.6
12 X 10	8	12.750	11.750	0.500	10.750	9.750	0.500	41.5
14 X 6	13	14.000	13.000	0.500	6.625	5.761	0.432	72.3
14 X 8	13	14.000	13.000	0.500	8.625	7.625	0.500	74.6
14 X 10	13	14.000	13.000	0.500	10.750	9.750	0.500	76.7
14 X 12	13	14.000	13.000	0.500	12.750	11.750	0.500	81

Concentric & Eccentric Reducers – Extra Heavy (Continued)

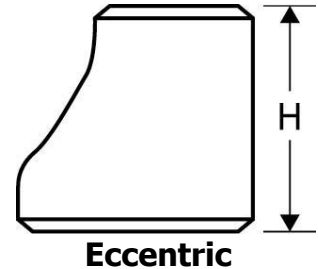
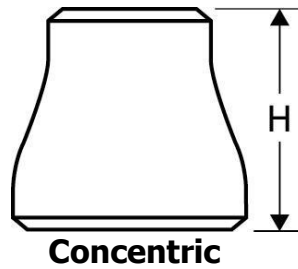
Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
16 X 6	14	16.000	15.000	0.500	6.625	5.761	0.432	89.8
16 X 8	14	16.000	15.000	0.500	8.625	7.625	0.500	91.1
16 X 10	14	16.000	15.000	0.500	10.750	9.750	0.500	93.3
16 X 12	14	16.000	15.000	0.500	12.750	11.750	0.500	95.8
16 X 14	14	16.000	15.000	0.500	14.000	13.000	0.500	98
18 X 10	15	18.000	17.000	0.500	10.750	9.750	0.500	113
18 X 12	15	18.000	17.000	0.500	12.750	11.750	0.500	115
18 X 14	15	18.000	17.000	0.500	14.000	13.000	0.500	117
18 X 16	15	18.000	17.000	0.500	16.000	15.000	0.500	118
20 X 10	20	20.000	19.000	0.500	10.750	9.750	0.500	152
20 X 12	20	20.000	19.000	0.500	12.750	11.750	0.500	155
20 X 14	20	20.000	19.000	0.500	14.000	13.000	0.500	157
20 X 16	20	20.000	19.000	0.500	16.000	15.000	0.500	159
20 X 18	20	20.000	19.000	0.500	18.000	17.000	0.500	162
24 x 10	20	24.000	23.000	0.500	10.750	9.750	0.500	194
24 x 12	20	24.000	23.000	0.500	12.750	11.750	0.500	194
24 x 14	20	24.000	23.000	0.500	14.000	13.000	0.500	194
24 X 16	20	24.000	23.000	0.500	16.000	15.000	0.500	194
24 X 18	20	24.000	23.000	0.500	18.000	17.000	0.500	197
24 X 20	20	24.000	23.000	0.500	20.000	19.000	0.500	201
30 X 18	24	30.000	29.000	0.500	18.000	17.000	0.500	315
30 X 20	24	30.000	29.000	0.500	20.000	19.000	0.500	315
30 X 24	24	30.000	29.000	0.500	24.000	23.000	0.500	315
36 X 20	24	36.000	35.000	0.500	20.000	19.000	0.500	379
36 X 24	24	36.000	35.000	0.500	24.000	23.000	0.500	379
36 X 30	24	36.000	35.000	0.500	30.000	29.000	0.500	379
42 X 24	24	42.000	41.000	0.500	24.000	23.000	0.500	443
42 X 30	24	42.000	41.000	0.500	30.000	29.000	0.500	443
42 X 36	24	42.000	41.000	0.500	36.000	35.000	0.500	443
48 X 30	28	48.000	47.000	0.500	30.000	29.000	0.500	525
48 X 36	28	48.000	47.000	0.500	36.000	35.000	0.500	525
48 X 42	28	16.000	15.000	0.500	6.625	5.761	0.432	525

** Dimensions conform to ASME B16.9 & material conforms to ASTM SA-234 Grade B.*

Concentric & Eccentric Reducers

SCHEDULE 160

Inches / Pounds



Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
3/4 x 1/2	1.5	1.030	0.592	0.219	0.840	0.464	0.188	0.22
1 x 1/2	2	1.315	0.815	0.250	0.840	0.464	0.188	0.39
1 x 3/4	2	1.315	0.815	0.250	1.030	0.592	0.219	0.43
1 1/4 x 1/2	2	1.660	1.160	0.250	0.840	0.464	0.188	0.50
1 1/4 x 3/4	2	1.660	1.160	0.250	1.030	0.592	0.219	0.53
1 1/4 x 1	2	1.660	1.160	0.250	1.315	0.815	0.250	0.58
1 1/2 x 1/2	2.5	1.900	1.338	0.281	0.840	0.464	0.188	0.78
1 1/2 x 3/4	2.5	1.900	1.338	0.281	1.030	0.592	0.219	0.82
1 1/2 x 1	2.5	1.900	1.338	0.281	1.315	0.815	0.250	0.88
1 1/2 x 1 1/4	2.5	1.900	1.338	0.281	1.660	1.160	0.250	0.95
2 x 3/4	3	2.375	1.687	0.344	1.030	0.592	0.219	1.42
2 x 1	3	2.375	1.687	0.344	1.315	0.815	0.250	1.50
2 x 1 1/4	3	2.375	1.687	0.344	1.660	1.160	0.250	1.58
2 x 1 1/2	3	2.375	1.687	0.344	1.900	1.338	0.281	1.67
2 1/2 x 1	3.5	2.875	2.125	0.375	1.315	0.815	0.250	2.25
2 1/2 x 1 1/4	3.5	2.875	2.125	0.375	1.660	1.160	0.250	2.34
2 1/2 x 1 1/2	3.5	2.875	2.125	0.375	1.900	1.338	0.281	2.45
2 1/2 x 2	3.5	2.875	2.125	0.375	2.375	1.687	0.344	2.71
3 x 1	3.5	3.500	2.624	0.438	1.315	0.815	0.250	3.10
3 x 1 1/4	3.5	3.500	2.624	0.438	1.660	1.160	0.250	3.19
3 x 1 1/2	3.5	3.500	2.624	0.438	1.900	1.338	0.281	3.30
3 x 2	3.5	3.500	2.624	0.438	2.375	1.687	0.344	3.56
3 x 2 1/2	3.5	3.500	2.624	0.438	2.875	2.125	0.375	3.81

Concentric & Eccentric Reducers – Schedule 160 (Continued)

Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
4 X 1	4	4.500	3.438	0.531	1.315	0.815	0.250	5.4
4 X 1 ¼	4	4.500	3.438	0.531	1.660	1.160	0.250	5.5
4 x 1 ½	4	4.500	3.438	0.531	1.900	1.338	0.281	5.6
4 x 2	4	4.500	3.438	0.531	2.375	1.687	0.344	5.9
4 x 2 ½	4	4.500	3.438	0.531	2.875	2.125	0.375	6.2
4 x 3	4	4.500	3.438	0.531	3.500	2.624	0.438	6.7
5 X 2	5	5.562	4.312	0.625	2.375	1.687	0.344	10
5 X 2 ½	5	5.562	4.312	0.625	2.875	2.125	0.375	11
5 X 3	5	5.562	4.312	0.625	3.500	2.624	0.438	11
5 X 4	5	5.562	4.312	0.625	4.500	3.438	0.531	12
6 X 2	5.5	6.625	5.187	0.719	2.375	1.687	0.344	15
6 X 2 ½	5.5	6.625	5.187	0.719	2.875	2.125	0.375	16
6 X 3	5.5	6.625	5.187	0.719	3.500	2.624	0.438	16
6 X 4	5.5	6.625	5.187	0.719	4.500	3.438	0.531	18
6 X 5	5.5	6.625	5.187	0.719	5.562	4.312	0.625	19
8 X 3	6	8.625	6.813	0.906	3.500	2.624	0.438	28
8 X 4	6	8.625	6.813	0.906	4.500	3.438	0.531	29
8 X 5	6	8.625	6.813	0.906	5.562	4.312	0.625	31
8 X 6	6	8.625	6.813	0.906	6.625	5.187	0.719	33
10 X 4	7	10.750	8.500	1.125	4.500	3.438	0.531	50
10 X 5	7	10.750	8.500	1.125	5.562	4.312	0.625	52
10 X 6	7	10.750	8.500	1.125	6.625	5.187	0.719	55
10 X 8	8	10.750	8.500	1.125	8.625	6.813	0.906	69
12 X 4	8	12.750	10.126	1.312	4.500	3.438	0.531	77
12 X 5	8	12.750	10.126	1.312	5.562	4.312	0.625	80
12 X 6	8	12.750	10.126	1.312	6.625	5.187	0.719	82
12 X 8	8	12.750	10.126	1.312	8.625	6.813	0.906	89
12 X 10	8	12.750	10.126	1.312	10.750	8.500	1.125	98
14 X 6	13	14.000	11.188	1.406	6.625	5.187	0.719	155
14 X 8	13	14.000	11.188	1.406	8.625	6.813	0.906	166
14 X 10	13	14.000	11.188	1.406	10.750	8.500	1.125	181
14 X 12	13	14.000	11.188	1.406	12.750	10.126	1.312	197

Concentric & Eccentric Reducers – Schedule 160 (Continued)

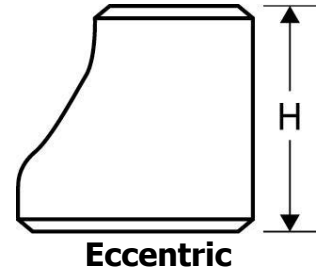
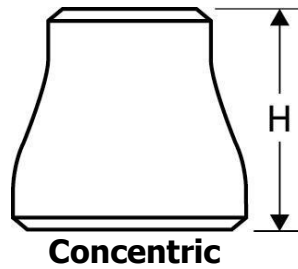
Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
16 X 6	14	16.000	12.812	1.594	6.625	5.187	0.719	211
16 X 8	14	16.000	12.812	1.594	8.625	6.813	0.906	223
16 X 10	14	16.000	12.812	1.594	10.750	8.500	1.125	239
16 X 12	14	16.000	12.812	1.594	12.750	10.126	1.312	256
16 X 14	14	16.000	12.812	1.594	14.000	11.188	1.406	268
18 X 10	15	18.000	14.438	1.781	10.750	8.500	1.125	309
18 X 12	15	18.000	14.438	1.781	12.750	10.126	1.312	328
18 X 14	15	18.000	14.438	1.781	14.000	11.188	1.406	340
18 X 16	15	18.000	14.438	1.781	16.000	12.812	1.594	364
20 X 10	20	20.000	16.062	1.969	10.750	8.500	1.125	492
20 X 12	20	20.000	16.062	1.969	12.750	10.126	1.312	517
20 X 14	20	20.000	16.062	1.969	14.000	11.188	1.406	533
20 X 16	20	20.000	16.062	1.969	16.000	12.812	1.594	565
20 X 18	20	20.000	16.062	1.969	18.000	14.438	1.781	601
24 X 16	20	24.000	19.312	2.344	10.750	8.500	1.125	676
24 X 18	20	24.000	19.312	2.344	12.750	10.126	1.312	701
24 X 20	20	24.000	19.312	2.344	14.000	11.188	1.406	717
30 X 18	24	24.000	19.312	2.344	16.000	12.812	1.594	749
30 X 20	24	24.000	19.312	2.344	18.000	14.438	1.781	784
30 X 24	24	24.000	19.312	2.344	20.000	16.062	1.969	824

*** Dimensions conform to ASME B16.9 & material conforms to ASTM SA-234 Grade B.**

Concentric & Eccentric Reducers

SCHEDULE 160

Inches / Pounds



Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
3/4 x 1/2	1.5	1.030	0.414	0.308	0.840	0.252	0.294	0.27
1 x 1/2	2	1.315	0.599	0.358	0.840	0.252	0.294	0.51
1 x 3/4	2	1.315	0.599	0.358	1.030	0.414	0.308	0.55
1 1/4 x 1/2	2	1.660	0.896	0.382	0.840	0.252	0.294	0.68
1 1/4 x 3/4	2	1.660	0.896	0.382	1.030	0.414	0.308	0.72
1 1/4 x 1	2	1.660	0.896	0.382	1.315	0.599	0.358	0.79
1 1/2 x 1/2	2.5	1.900	1.100	0.400	0.840	0.252	0.294	1.02
1 1/2 x 3/4	2.5	1.900	1.100	0.400	1.030	0.414	0.308	1.07
1 1/2 x 1	2.5	1.900	1.100	0.400	1.315	0.599	0.358	1.16
1 1/2 x 1 1/4	2.5	1.900	1.100	0.400	1.660	0.896	0.382	1.27
2 x 3/4	3	2.375	1.499	0.438	1.030	0.414	0.308	1.73
2 x 1	3	2.375	1.499	0.438	1.315	0.599	0.358	1.84
2 x 1 1/4	3	2.375	1.499	0.438	1.660	0.896	0.382	1.97
2 x 1 1/2	3	2.375	1.499	0.438	1.900	1.100	0.400	2.07
2 1/2 x 1	3.5	2.875	1.771	0.552	1.315	0.599	0.358	3.06
2 1/2 x 1 1/4	3.5	2.875	1.771	0.552	1.660	0.896	0.382	3.21
2 1/2 x 1 1/2	3.5	2.875	1.771	0.552	1.900	1.100	0.400	3.33
2 1/2 x 2	3.5	2.875	1.771	0.552	2.375	1.499	0.438	3.59
3 x 1	3.5	3.500	2.300	0.600	1.315	0.599	0.358	4.02
3 x 1 1/4	3.5	3.500	2.300	0.600	1.660	0.896	0.382	4.18
3 x 1 1/2	3.5	3.500	2.300	0.600	1.900	1.100	0.400	4.29
3 x 2	3.5	3.500	2.300	0.600	2.375	1.499	0.438	4.55
3 x 2 1/2	3.5	3.500	2.300	0.600	2.875	1.771	0.552	5.01
3 1/2 x 1 1/4	4	4.000	2.728	0.636	1.660	0.896	0.382	5.73
3 1/2 x 1 1/2	4	4.000	2.728	0.636	1.900	1.100	0.400	5.87
3 1/2 x 2	4	4.000	2.728	0.636	2.375	1.499	0.438	6.17
3 1/2 x 2 1/2	4	4.000	2.728	0.636	2.875	1.771	0.552	6.69
3 1/2 x 3	4	4.000	2.728	0.636	3.500	2.300	0.600	7.24

Concentric & Eccentric Reducers – **XXH** (Continued)

Nominal Pipe Size	Length (H)	Large End			Small End			Approximate Weight (in Pounds)
		Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness	
4 x 1	4	4.500	3.152	0.674	1.315	0.599	0.358	6.6
4 x 1 ¼	4	4.500	3.152	0.674	1.660	0.896	0.382	6.8
4 x 1 ½	4	4.500	3.152	0.674	1.900	1.100	0.400	6.9
4 x 2	4	4.500	3.152	0.674	2.375	1.499	0.438	7.2
4 x 2 ½	4	4.500	3.152	0.674	2.875	1.771	0.552	7.7
4 x 3	4	4.500	3.152	0.674	3.500	2.300	0.600	8.3
4 x 3 ½	4	4.500	3.152	0.674	4.000	2.728	0.636	8.7
5 x 2	5	5.562	4.062	0.750	2.375	1.499	0.438	12
5 x 2 ½	5	5.562	4.062	0.750	2.875	1.771	0.552	13
5 x 3	5	5.562	4.062	0.750	3.500	2.300	0.600	13
5 x 3 ½	5	5.562	4.062	0.750	4.000	2.728	0.636	14
5 x 4	5	5.562	4.062	0.750	4.500	3.152	0.674	15
6 x 2	5.5	6.625	4.897	0.864	2.375	1.499	0.438	18
6 x 2 ½	5.5	6.625	4.897	0.864	2.875	1.771	0.552	19
6 x 3	5.5	6.625	4.897	0.864	3.500	2.300	0.600	19
6 x 3 ½	5.5	6.625	4.897	0.864	4.000	2.728	0.636	20
6 x 4	5.5	6.625	4.897	0.864	4.500	3.152	0.674	21
6 x 5	5.5	6.625	4.897	0.864	5.562	4.062	0.750	22
8 x 3	6	8.625	6.875	0.875	3.500	2.300	0.600	28
8 x 3 ½	6	8.625	6.875	0.875	4.000	2.728	0.636	28
8 x 4	6	8.625	6.875	0.875	4.500	3.152	0.674	29
8 x 5	6	8.625	6.875	0.875	5.562	4.062	0.750	31
8 x 6	6	8.625	6.875	0.875	6.625	4.897	0.864	33
10 x 4	7	10.750	8.750	1.000	4.500	3.152	0.674	46
10 x 5	7	10.750	8.750	1.000	5.562	4.062	0.750	49
10 x 6	7	10.750	8.750	1.000	6.625	4.897	0.864	52
10 x 8	8	10.750	8.750	1.000	8.625	6.875	0.875	63
12 x 4	8	12.750	10.750	1.000	4.500	3.152	0.674	63
12 x 5	8	12.750	10.750	1.000	5.562	4.062	0.750	65
12 x 6	8	12.750	10.750	1.000	6.625	4.897	0.864	68
12 x 8	8	12.750	10.750	1.000	8.625	6.875	0.875	73
12 x 10	8	12.750	10.750	1.000	10.750	8.750	1.000	80

*** Dimensions conform to ASME B16.9 & material conforms to ASTM SA-234 Grade B.**