

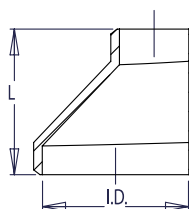
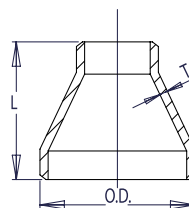
CONCENTRIC AND ECCENTRIC REDUCERS

WELDBEND NOTES

1. Conforms to ASME B16.9 & ASTM A234 WPB.
2. All dimensions are in inches.
3. For bevel detail see page 107.
4. For dimensional tolerances see page 108.
5. For sizes larger than 48" please call.
6. All weights are in pounds and approximated or estimated.

* This size and thickness does not correspond to any pipe schedule number.

❖ In accordance with B16.9. Special Fittings paragraph 4.4.2.



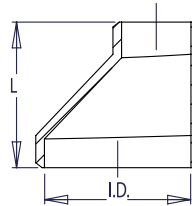
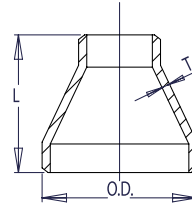
SCHEDULE XS

Pipe Size	LARGE DIAMETER			SMALL DIAMETER			Length	Pipe Schedule Number	Approx. Weight in Pounds
	Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness			
	O.D.	I.D.	T	O.D.	I.D.	T			
3/4 x 1/2	1.05	0.742	0.154	0.84	0.546	0.147	1.50	80	0.25
1 x 3/4	1.32	0.962	0.179	1.05	0.742	0.154	2.00	80	0.43
1 x 1/2	1.32	0.962	0.179	0.84	0.546	0.147	2.00	80	0.42
1 1/4 x 1	1.66	1.278	0.191	1.32	0.962	0.179	2.00	80	0.57
1 1/4 x 3/4	1.66	1.278	0.191	1.05	0.742	0.154	2.00	80	0.53
1 1/4 x 1/2	1.66	1.278	0.191	0.84	0.546	0.147	2.00	80	0.50
1 1/2 x 1 1/4	1.90	1.500	0.200	1.66	1.278	0.191	2.50	80	0.78
1 1/2 x 1	1.90	1.500	0.200	1.32	0.962	0.179	2.50	80	0.72
1 1/2 x 3/4	1.90	1.500	0.200	1.05	0.742	0.154	2.50	80	0.65
1 1/2 x 1/2	1.90	1.500	0.200	0.84	0.546	0.147	2.50	80	0.65
2 x 1 1/2	2.38	1.944	0.218	1.90	1.500	0.200	3.00	80	1.20
2 x 1 1/4	2.38	1.944	0.218	1.66	1.278	0.191	3.00	80	1.10
2 x 1	2.38	1.944	0.218	1.32	0.962	0.179	3.00	80	1.00
2 x 3/4	2.38	1.944	0.218	1.05	0.742	0.154	3.00	80	0.94
2 1/2 x 2	2.88	2.328	0.276	2.38	1.944	0.218	3.50	80	2.10
2 1/2 x 1 1/2	2.88	2.328	0.276	1.90	1.500	0.200	3.50	80	1.90
2 1/2 x 1 1/4	2.88	2.328	0.276	1.66	1.278	0.191	3.50	80	1.70
2 1/2 x 1	2.88	2.328	0.276	1.32	0.962	0.179	3.50	80	1.50
3 x 2 1/2	3.50	2.900	0.300	2.88	2.328	0.276	3.50	80	2.80
3 x 2	3.50	2.900	0.300	2.38	1.944	0.218	3.50	80	2.60
3 x 1 1/2	3.50	2.900	0.300	1.90	1.500	0.200	3.50	80	2.40
3 x 1 1/4	3.50	2.900	0.300	1.66	1.278	0.191	3.50	80	2.30
❖ 3 x 1	3.50	2.900	0.300	1.32	0.962	0.179	3.50	80	2.20
3 1/2 x 3	4.00	3.364	0.318	3.50	2.900	0.300	4.00	80	3.70
3 1/2 x 2 1/2	4.00	3.364	0.318	2.88	2.328	0.276	4.00	80	3.50
3 1/2 x 2	4.00	3.364	0.318	2.38	1.944	0.218	4.00	80	3.30
3 1/2 x 1 1/2	4.00	3.364	0.318	1.90	1.500	0.200	4.00	80	3.20
3 1/2 x 1 1/4	4.00	3.364	0.318	1.66	1.278	0.191	4.00	80	3.20
4 x 3 1/2	4.50	3.826	0.337	4.00	3.364	0.318	4.00	80	4.90
4 x 3	4.50	3.826	0.337	3.50	2.900	0.300	4.00	80	4.70
4 x 2 1/2	4.50	3.826	0.337	2.88	2.328	0.276	4.00	80	4.60
4 x 2	4.50	3.826	0.337	2.38	1.944	0.218	4.00	80	4.30
4 x 1 1/2	4.50	3.826	0.337	1.90	1.500	0.200	4.00	80	4.20

CONCENTRIC AND ECCENTRIC REDUCERS



SCHEDULE XS



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Pipe Size	LARGE DIAMETER			SMALL DIAMETER			Length	Pipe Schedule Number	Approx. Weight in Pounds
	Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness			
	O.D.	I.D.	T	O.D.	I.D.	T			
❖ 4 x 1 1/4	4.50	3.826	0.337	1.66	1.278	0.191	4.00	80	4.10
❖ 4 x 1	4.50	3.826	0.337	1.32	0.962	0.179	4.00	80	4.00
5 x 4	5.56	4.810	0.375	4.50	3.826	0.337	5.00	80	7.50
5 x 3 1/2	5.56	4.810	0.375	4.00	3.364	0.318	5.00	80	6.90
5 x 3	5.56	4.810	0.375	3.50	2.900	0.300	5.00	80	6.30
5 x 2 1/2	5.56	4.810	0.375	2.88	2.328	0.276	5.00	80	6.10
5 x 2	5.56	4.810	0.375	2.38	1.944	0.218	5.00	80	6.00
6 x 5	6.62	5.756	0.432	5.56	4.810	0.375	5.50	80	11.50
6 x 4	6.62	5.756	0.432	4.50	3.826	0.337	5.50	80	10.70
6 x 3 1/2	6.62	5.756	0.432	4.00	3.364	0.318	5.50	80	10.00
6 x 3	6.62	5.756	0.432	3.50	2.900	0.300	5.50	80	9.70
6 x 2 1/2	6.62	5.756	0.432	2.88	2.328	0.276	5.50	80	9.10
❖ 6 x 2	6.62	5.756	0.432	2.38	1.944	0.218	5.50	80	8.60
8 x 6	8.62	7.620	0.500	6.62	5.756	0.432	6.00	80	18.80
8 x 5	8.62	7.620	0.500	5.56	4.810	0.375	6.00	80	17.60
8 x 4	8.62	7.620	0.500	4.50	3.826	0.337	6.00	80	17.00
8 x 3 1/2	8.62	7.620	0.500	4.00	3.364	0.318	6.00	80	15.90
❖ 8 x 3	8.62	7.620	0.500	3.50	2.900	0.300	6.00	80	15.00
10 x 8	10.75	9.750	0.500	8.62	7.620	0.500	7.00	*	29.40
10 x 6	10.75	9.750	0.500	6.62	5.756	0.432	7.00	*	28.30
10 x 5	10.75	9.750	0.500	5.56	4.810	0.375	7.00	*	26.90
10 x 4	10.75	9.750	0.500	4.50	3.826	0.337	7.00	*	24.20
12 x 10	12.75	11.750	0.500	10.75	9.750	0.500	8.00	*	41.50
12 x 8	12.75	11.750	0.500	8.62	7.620	0.500	8.00	*	38.60
12 x 6	12.75	11.750	0.500	6.62	5.756	0.432	8.00	*	37.40
12 x 5	12.75	11.750	0.500	5.56	4.810	0.375	8.00	*	36.30
❖ 12 x 4	12.75	11.750	0.500	4.50	3.826	0.337	8.00	*	34.70
14 x 12	14.00	13.000	0.500	12.75	11.750	0.500	13.00	*	81.00
14 x 10	14.00	13.000	0.500	10.75	9.750	0.500	13.00	*	76.70
14 x 8	14.00	13.000	0.500	8.62	7.620	0.500	13.00	*	74.60
14 x 6	14.00	13.000	0.500	6.62	5.756	0.432	13.00	*	72.30
16 x 14	16.00	15.000	0.500	14.00	13.000	0.500	14.00	*	98.00

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	Outside Diameter	Inside Diameter	Wall Thickness	Outside Diameter	Inside Diameter	Wall Thickness			
	O.D.	I.D.	T	O.D.	I.D.	T	L		
16 x 12	16.00	15.000	0.500	12.75	11.750	0.500	14.00	*	95.80
16 x 10	16.00	15.000	0.500	10.75	9.750	0.500	14.00	*	93.30
16 x 8	16.00	15.000	0.500	8.62	7.620	0.500	14.00	*	91.10
❖ 16 x 6	16.00	15.000	0.500	6.62	5.756	0.432	14.00	*	89.80
18 x 16	18.00	17.000	0.500	16.00	15.000	0.500	15.00	*	118.00
18 x 14	18.00	17.000	0.500	14.00	13.000	0.500	15.00	*	117.00
18 x 12	18.00	17.000	0.500	12.75	11.750	0.500	15.00	*	115.00
18 x 10	18.00	17.000	0.500	10.75	9.750	0.500	15.00	*	113.00
❖ 18 x 8	18.00	17.000	0.500	8.62	7.620	0.500	15.00	*	100.00
20 x 18	20.00	19.000	0.500	18.00	17.000	0.500	20.00	*	162.00
20 x 16	20.00	19.000	0.500	16.00	15.000	0.500	20.00	*	159.00
20 x 14	20.00	19.000	0.500	14.00	13.000	0.500	20.00	*	157.00
20 x 12	20.00	19.000	0.500	12.75	11.750	0.500	20.00	*	155.00
❖ 20 x 10	20.00	19.000	0.500	10.75	9.750	0.500	20.00	*	152.00
24 x 20	24.00	23.000	0.500	20.00	19.000	0.500	20.00	*	201.00
24 x 18	24.00	23.000	0.500	18.00	17.000	0.500	20.00	*	197.00
24 x 16	24.00	23.000	0.500	16.00	15.000	0.500	20.00	*	194.00
❖ 24 x 14	24.00	23.000	0.500	14.00	13.000	0.500	20.00	*	190.00
❖ 24 x 12	24.00	23.000	0.500	12.75	11.750	0.500	20.00	*	188.00
❖ 24 x 10	24.00	23.000	0.500	10.75	9.750	0.500	20.00	*	186.00
30 x 24	30.00	29.000	0.500	24.00	23.000	0.500	24.00	*	315.00
30 x 20	30.00	29.000	0.500	20.00	19.000	0.500	24.00	*	315.00
❖ 30 x 18	30.00	29.000	0.500	18.00	17.000	0.500	24.00	*	315.00
36 x 30	36.00	35.000	0.500	30.00	29.000	0.500	24.00	*	379.00
36 x 24	36.00	35.000	0.500	24.00	23.000	0.500	24.00	*	379.00
❖ 36 x 20	36.00	35.000	0.500	20.00	19.000	0.500	24.00	*	379.00
42 x 36	42.00	41.000	0.500	36.00	35.000	0.500	24.00	*	443.00
42 x 30	42.00	41.000	0.500	30.00	29.000	0.500	24.00	*	443.00
❖ 42 x 24	42.00	41.000	0.500	24.00	23.000	0.500	24.00	*	443.00
48 x 42	48.00	47.000	0.500	42.00	41.000	0.500	28.00	*	525.00
❖ 48 x 36	48.00	47.000	0.500	36.00	35.000	0.500	28.00	*	525.00
❖ 48 x 30	48.00	47.000	0.500	30.00	29.000	0.500	28.00	*	525.00
❖ 48 x 24	48.00	47.000	0.500	24.00	23.000	0.500	28.00	*	525.00