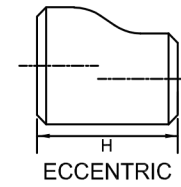
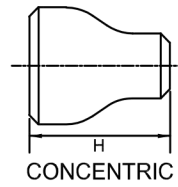




# REDUCERS



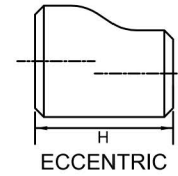
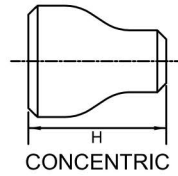
Nominal Pipe Size (NPS)	Outside Diameter at Bevel		End-to-End, H	Nominal Pipe Size (NPS)	Outside Diameter at Bevel		End-to-End, H
	Large End	Small End			Large End	Small End	
3/4 x 1/2	1.05	0.84	1.50	5 x 4	5.56	4.50	5.00
3/4 x 3/8	1.05	0.68	1.50	5 x 3 1/2	5.56	4.00	5.00
1 x 3/4	1.32	1.05	2.00	5 x 3	5.56	3.50	5.00
1 x 1/2	1.32	0.84	2.00	5 x 2 1/2	5.56	2.88	5.00
1 1/4 x 1	1.66	1.32	2.00	5 X 2	5.56	2.38	5.00
1 1/4 X 3/4	1.66	1.05	2.00	6 X 5	6.62	5.56	5.50
1 1/4 X 1/2	1.66	0.84	2.00	6 X 4	6.62	4.50	5.50
1 1/2 X 1 1/4	1.90	1.66	2.50	6 X 3 1/2	6.62	4.00	5.50
1 1/2 X 1	1.90	1.32	2.50	6 X 3	6.62	3.50	5.50
1 1/2 X 3/4	1.90	1.05	2.50	6 X 2 1/2	6.62	2.88	5.50
1 1/2 X 1/2	1.90	0.84	2.50	8 X 6	8.62	6.62	6.00
2 x 1 1/2	2.38	1.90	3.00	8 X 5	8.62	5.56	6.00
2 x 1 1/4	2.38	1.66	3.00	8 x 4	8.62	4.50	6.00
2 x 1	2.38	1.32	3.00	8 x 3 1/2	8.62	4.00	6.00
2 x 3/4	2.38	1.05	3.00	10 x 8	10.75	8.62	7.00
2 1/2 x 2	2.88	2.38	3.50	10 x 6	10.75	6.62	7.00
2 1/2 x 1 1/2	2.88	1.90	3.50	10 x 5	10.75	5.56	7.00
2 1/2 x 1 1/4	2.88	1.66	3.50	10 x 4	10.75	4.50	7.00
2 1/2 x 1	2.88	1.32	3.50	12 x 10	12.75	10.75	8.00
3 x 2 1/2	3.50	2.88	3.50	12 x 8	12.75	8.62	8.00
3 x 2	3.50	2.38	3.50	12 x 6	12.75	6.62	8.00
3 x 1 1/2	3.50	1.90	3.50	12 x 5	12.75	5.56	8.00
3 x 1 1/4	3.50	1.66	3.50	14 x 12	14.00	12.75	13.00
3 1/2 x 3	4.00	3.50	4.00	14 x 10	14.00	10.75	13.00
3 1/2 x 2 1/2	4.00	2.88	4.00	14 x 8	14.00	8.62	13.00
3 1/2 x 2	4.00	2.38	4.00	14 x 6	14.00	6.62	13.00
3 1/2 x 1 1/2	4.00	1.90	4.00	16 x 14	16.00	14.00	14.00
3 1/2 x 1 1/4	4.00	1.66	4.00	16 x 12	16.00	12.75	14.00
4 x 3 1/2	4.50	4.00	4.00	16 x 10	16.00	10.75	14.00
4 x 3	4.50	3.50	4.00	16 x 8	16.00	8.62	14.00
4 x 2 1/2	4.50	2.88	4.00	18 x 16	18.00	16.00	15.00
4 x 2	4.50	2.38	4.00	18 x 14	18.00	14.00	15.00
4 x 1 1/2	4.50	1.90	4.00	18 x 12	18.00	12.75	15.00
				18 x 10	18.00	10.75	15.00

**GENERAL NOTE:**

- (a) All dimensions are in inches
- (b) While the figure illustrates a bell-shaped reducer, the use of a conical reducer is not prohibited.



# REDUCERS



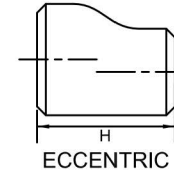
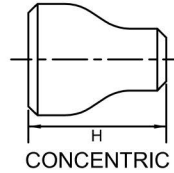
Nominal Pipe Size (NPS)	Outside Diameter at Bevel		End-to-End, H	Nominal Pipe Size (NPS)	Outside Diameter at Bevel		End-to-End, H
	Large End	Small End			Large End	Small End	
20 x 18	20.00	18.00	20.00	38 x 36	38.00	36.00	24.00
20 x 16	20.00	16.00	20.00	38 x 34	38.00	34.00	24.00
20 x 14	20.00	14.00	20.00	38 x 32	38.00	32.00	24.00
20 x 12	20.00	12.75	20.00	38 x 30	38.00	30.00	24.00
22 x 20	22.00	20.00	20.00	38 x 28	38.00	28.00	24.00
22 x 18	22.00	18.00	20.00	38 x 26	38.00	26.00	24.00
22 x 16	22.00	16.00	20.00	38 x 24	38.00	24.00	24.00
22 x 14	22.00	14.00	20.00	38 x 22	38.00	22.00	24.00
24 x 22	24.00	22.00	20.00	38 x 20	38.00	20.00	24.00
24 x 20	24.00	20.00	20.00	40 x 38	40.00	38.00	24.00
24 x 18	24.00	18.00	20.00	40 x 36	40.00	36.00	24.00
24 x 16	24.00	16.00	20.00	40 x 34	40.00	34.00	24.00
26 x 24	26.00	24.00	24.00	40 x 32	40.00	32.00	24.00
26 x 22	26.00	22.00	24.00	40 x 30	40.00	30.00	24.00
26 x 20	26.00	20.00	24.00	40 x 28	40.00	28.00	24.00
26 x 18	26.00	18.00	24.00	40 x 26	40.00	26.00	24.00
28 x 26	28.00	26.00	24.00	40 x 24	40.00	24.00	24.00
28 x 24	28.00	24.00	24.00	40 x 22	40.00	22.00	24.00
28 x 22	28.00	22.00	24.00	40 x 20	40.00	20.00	24.00
28 x 20	28.00	20.00	24.00	42 x 40	42.00	40.00	24.00
28 x 18	28.00	18.00	24.00	42 x 38	42.00	38.00	24.00
30 x 28	30.00	28.00	24.00	42 x 36	42.00	36.00	24.00
30 x 26	30.00	26.00	24.00	42 x 34	42.00	34.00	24.00
30 x 24	30.00	24.00	24.00	42 x 32	42.00	32.00	24.00
30 x 22	30.00	22.00	24.00	42 x 30	42.00	30.00	24.00
30 x 20	30.00	20.00	24.00	42 x 28	42.00	28.00	24.00
32 x 30	32.00	30.00	24.00	42 x 26	42.00	26.00	24.00
32 x 28	32.00	28.00	24.00	42 x 24	42.00	24.00	24.00
32 x 26	32.00	26.00	24.00	42 x 22	42.00	22.00	24.00
32 x 24	32.00	24.00	24.00	44 x 42	44.00	42.00	24.00
34 x 32	34.00	32.00	24.00	44 x 40	44.00	40.00	24.00
34 x 30	34.00	30.00	24.00	44 x 38	44.00	38.00	24.00
34 x 28	34.00	28.00	24.00	44 x 36	44.00	36.00	24.00
34 x 26	34.00	26.00	24.00	44 x 34	44.00	34.00	24.00
34 x 24	34.00	24.00	24.00	44 x 32	44.00	32.00	24.00
36 x 34	36.00	34.00	24.00	44 x 30	44.00	30.00	24.00
36 x 32	36.00	32.00	24.00	44 x 28	44.00	28.00	24.00
36 x 30	36.00	30.00	24.00	44 x 26	44.00	26.00	24.00
36 x 28	36.00	28.00	24.00	44 x 24	44.00	24.00	24.00
36 x 26	36.00	26.00	24.00	44 x 22	44.00	22.00	24.00
36 x 24	36.00	24.00	24.00				

**GENERAL NOTE:**

- (a) All dimensions are in inches
- (b) While the figure illustrates a bell-shaped reducer, the use of a conical reducer is not prohibited.



# REDUCERS



Nominal Pipe Size (NPS)	Outside Diameter at Bevel			Nominal Pipe Size (NPS)	Outside Diameter at Bevel		
	Large End	Small End	End-to-End H		Large End	Small End	End-to-End H
46 x 44	46.00	44.00	28.00	52 x 50	52.00	50.00	28.00
46 x 42	46.00	42.00	28.00	52 x 48	52.00	48.00	28.00
46 x 40	46.00	40.00	28.00	52 x 42	52.00	42.00	28.00
46 x 38	46.00	38.00	28.00	52 x 36	52.00	36.00	28.00
46 x 36	46.00	36.00	28.00	52 x 30	52.00	30.00	28.00
46 x 34	46.00	34.00	28.00	52 x 24	52.00	24.00	28.00
46 x 32	46.00	32.00	28.00				
46 x 30	46.00	30.00	28.00	54 x 52	54.00	52.00	28.00
46 x 28	46.00	28.00	28.00	54 x 48	54.00	48.00	28.00
46 x 26	46.00	26.00	28.00	54 x 42	54.00	42.00	28.00
46 x 24	46.00	24.00	28.00	54 x 36	54.00	36.00	28.00
				54 x 30	54.00	30.00	28.00
				54 x 24	54.00	24.00	28.00
48 x 46	48.00	46.00	28.00				
48 x 44	48.00	44.00	28.00	56 x 54	56.00	54.00	28.00
48 x 42	48.00	42.00	28.00	56 x 48	56.00	48.00	28.00
48 x 40	48.00	40.00	28.00	56 x 42	56.00	42.00	28.00
48 x 38	48.00	38.00	28.00	56 x 36	56.00	36.00	28.00
48 x 36	48.00	36.00	28.00	56 x 30	56.00	30.00	28.00
48 x 34	48.00	34.00	28.00	56 x 24	56.00	24.00	28.00
48 x 32	48.00	32.00	28.00				
48 x 30	48.00	30.00	28.00	58 x 56	58.00	56.00	28.00
48 x 28	48.00	28.00	28.00	58 x 54	58.00	54.00	28.00
48 x 26	48.00	26.00	28.00	58 x 48	58.00	48.00	28.00
48 x 24	48.00	24.00	28.00	58 x 42	58.00	42.00	28.00
				58 x 36	58.00	36.00	28.00
				58 x 30	58.00	30.00	28.00
50 x 48	50.00	48.00	28.00				
50 x 42	50.00	42.00	28.00	60 x 58	60.00	58.00	28.00
50 x 36	50.00	36.00	28.00	60 x 54	60.00	54.00	28.00
50 x 30	50.00	30.00	28.00	60 x 48	60.00	48.00	28.00
50 x 24	50.00	24.00	28.00	60 x 42	60.00	42.00	28.00
50 x 20	50.00	20.00	28.00	60 x 36	60.00	36.00	28.00
				60 x 30	60.00	30.00	28.00

**GENERAL NOTE:**

- (a) All dimensions are in inches
- (b) While the figure illustrates a bell-shaped reducer, the use of a conical reducer is not prohibited.