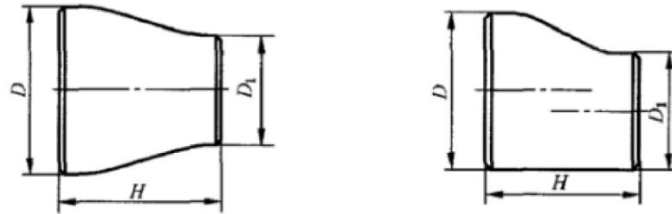


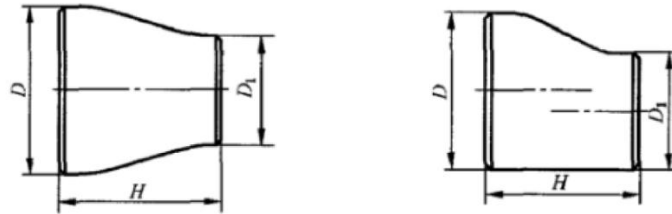
Concentric and Eccentric Reducer



Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
3/4 x 1/2	26.7	21.3	38.1
3/4 x 3/8	26.7	17.3	50.8
1 x 3/4	33.4	26.7	50.8
1 x 1/2	33.4	21.3	50.8
1-1/4 x 1	42.2	33.4	50.8
1-1/4 x 3/4	42.2	26.7	50.8
1-1/4 x 1/2	42.2	21.3	50.8
1-1/2 x 1-1/4	48.3	42.2	63.5
1-1/2 x 1	48.3	33.4	63.5
1-1/2 x 3/4	48.3	26.7	63.5
1-1/2 x 1/2	48.3	21.3	63.5
2 x 1-1/2	60.3	48.3	76.2
2 x 1-1/4	60.3	42.2	76.2
2 x 1	60.3	33.4	76.2
2 x 3/4	60.3	26.7	76.2
2 x 1/2	60.3	21.3	76.2
2-1/2 x 2	73	60.3	88.9
2-1/2 x 1-1/2	73	48.3	88.9
2-1/2 x 1-1/4	73	42.2	88.9
2-1/2 x 1	73	33.4	88.9
2-1/2 x 1/2	73	21.3	88.9
3 x 2-1/2	88.9	73	88.9
3 x 2	88.9	60.3	88.9
3 x 1-1/2	88.9	48.3	88.9
3 x 1-1/4	88.9	42.2	88.9
3 x 1	88.9	33.4	88.9

Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
3-1/2 x 3	101.6	88.9	101.6
3-1/2 x 2-1/2	101.6	73	101.6
3-1/2 x 2	101.6	60.3	101.6
3-1/2 x 1-1/2	101.6	48.3	101.6
3-1/2 x 1	101.6	33.4	101.6
3-1/2 x 1-1/4	101.6	42.2	101.6
3-1/2 x 3-1/2	114.3	101.6	101.6
4 x 3	114.3	88.9	101.6
4 x 2-1/2	114.3	73	101.6
4 x 2	114.3	60.3	101.6
4 x 1-1/2	114.3	48.3	101.6
4 x 1	114.3	33.4	101.6
4 x 1/2	114.3	21.3	101.6
5 x 4	141.3	114.3	127
5 x 3-1/2	141.3	101.6	127
5 x 3	141.3	88.9	127
5 x 2-1/2	141.3	73	127
5 x 2	141.3	60.3	127
5 x 1/2	141.3	21.3	127
6 x 5	168.3	141.3	139.7
6 x 4	168.3	114.3	139.7
6 x 3-1/2	168.3	101.6	139.7
6 x 3	168.3	88.9	139.7
6 x 2-1/2	168.3	73	139.7
6 x 2	168.3	60.3	139.7
8 x 6	219.1	168.3	152.4

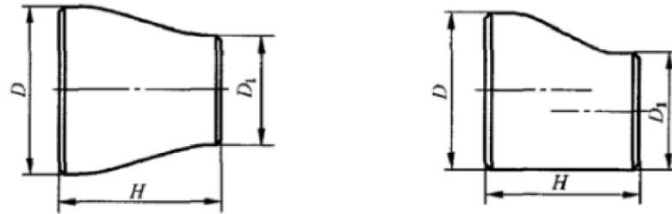
Concentric and Eccentric Reducer



Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
8 x 5	219.1	141.3	152.4
8 x 4	219.1	114.3	152.4
8 x 3-1/2	219.1	101.6	152.4
8 x 3	219.1	88.9	152.4
8 x 2-1/2	219.1	73	152.4
10 x 8	273.1	219.1	177.8
10 x 6	273.1	168.3	177.8
10 x 5	273.1	141.3	177.8
10 x 4	273.1	114.3	177.8
10 x 3	273.1	88.9	177.8
12 x 10	323.9	273.1	203.2
12 x 8	323.9	219.1	203.2
12 x 6	323.9	168.3	203.2
12 x 5	323.9	141.3	203.2
12 x 4	323.9	114.3	203.2
14 x 12	355.6	323.9	330.2
14 x 10	355.6	273.1	330.2
14 x 8	355.6	219.1	330.2
14 x 6	355.6	168.3	330.2
14 x 4	355.6	114.3	330.2
16 x 14	406.4	355.6	355.6
16 x 12	406.4	323.9	355.6
16 x 10	406.4	273.1	355.6
16 x 8	406.4	219.1	355.6
16 x 6	406.4	168.3	355.6
18 x 16	457.2	406.4	381

Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
18 x 14	457.2	355.6	381
18 x 12	457.2	323.9	381
18 x 10	457.2	273.1	381
18 x 8	457.2	219.1	381
20 x 18	508	457.2	508
20 x 16	508	406.4	508
20 x 14	508	355.6	508
20 x 12	508	323.9	508
20 x 10	508	273.1	508
22 x 20	558.8	508	508
22 x 18	558.8	457.2	508
22 x 16	558.8	406.4	508
22 x 14	558.8	355.6	508
22 x 12	558.8	323.9	508
22 x 10	558.8	273.1	508
24 x 22	609.6	558.8	508
24 x 20	609.6	508	508
24 x 18	609.6	457.2	508
24 x 16	609.6	406.4	508
24 x 14	609.6	355.6	508
24 x 12	609.6	323.9	508
24 x 10	609.6	273.1	508
24 x 8	609.6	219.1	508
24 x 6	609.6	168.3	508
26 x 24	660.4	609.6	609.6
26 x 22	660.4	558.8	609.6

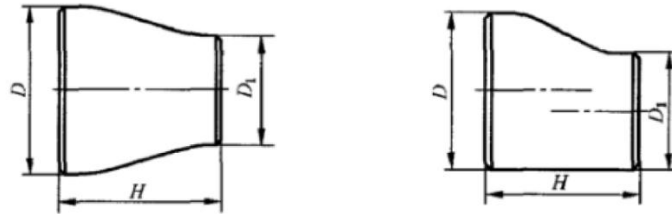
Concentric and Eccentric Reducer



Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
26 x 20	660.4	508	609.6
26 x 18	660.4	457.2	609.6
26 x 16	660.4	406.4	609.6
26 x 14	660.4	355.6	609.6
28 x 26	711.2	660.4	609.6
28 x 24	711.2	609.6	609.6
28 x 22	711.2	559	609.6
28 x 20	711.2	508	609.6
28 x 18	711.2	457.2	609.6
28 x 16	711.2	406.4	609.6
28 x 14	711.2	355.6	609.6
30 x 28	762	711.2	609.6
30 x 26	762	660.4	609.6
30 x 24	762	609.6	609.6
30 x 22	762	559	609.6
30 x 20	762	508	609.6
30 x 18	762	457.2	609.6
30 x 16	762	406.4	609.6
30 x 14	762	355.6	609.6
32 x 30	813	762	609.6
32 x 28	813	711.2	609.6
32 x 26	813	660.4	609.6
32 x 24	813	609.6	609.6
32 x 22	813	559	609.6
32 x 20	813	508	609.6
32 x 18	813	457.2	609.6

Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
32 x 16	813	406.4	609.6
32 x 14	813	355.6	609.6
34 x 32	863.6	812.8	609.6
34 x 30	863.6	762	609.6
34 x 28	863.6	711.2	609.6
34 x 26	863.6	660.4	609.6
34 x 24	863.6	609.6	609.6
34 x 22	863.6	559	609.6
34 x 20	863.6	508	609.6
34 x 18	863.6	457.2	609.6
34 x 16	863.6	406.4	609.6
34 x 14	863.6	355.6	609.6
36 x 34	914	864	609.6
36 x 32	914	813	609.6
36 x 30	914	762	609.6
36 x 28	914	711	609.6
36 x 26	914	660	609.6
36 x 24	914	610	609.6
36 x 22	914	559	609.6
36 x 20	914	508	609.6
36 x 18	914	457.2	609.6
36 x 16	914	406.4	609.6
38 x 36	965	914	609.6
38 x 34	965	864	609.6
38 x 32	965	813	609.6
38 x 30	965	762	609.6

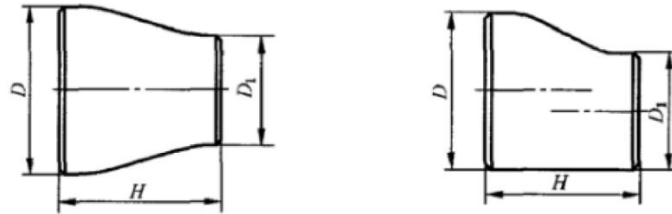
Concentric and Eccentric Reducer



Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
38 x 28	965	711	609.6
38 x 26	965	660	609.6
38 x 24	965	610	609.6
38 x 22	965	559	609.6
38 x 20	965	508	609.6
38 x 18	965	457.2	609.6
38 x 16	965	406.4	609.6
40 x 38	1016	965	609.6
40 x 36	1016	914	609.6
40 x 34	1016	864	609.6
40 x 32	1016	813	609.6
40 x 30	1016	762	609.6
40 x 28	1016	711	609.6
40 x 26	1016	660	609.6
40 x 24	1016	610	609.6
40 x 22	1016	559	609.6
40 x 20	1016	508	609.6
40 x 18	1016	457.2	609.6
40 x 16	1016	406.4	609.6
42 x 40	1067	1016	609.6
42 x 38	1067	965	609.6
42 x 36	1067	914.4	609.6
42 x 34	1067	863.6	609.6
42 x 32	1067	812.8	609.6
42 x 30	1067	762	609.6
42 x 28	1067	711	609.6

Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
42 x 26	1067	660	609.6
42 x 24	1067	609.6	609.6
42 x 22	1067	558.8	609.6
42 x 20	1067	508	609.6
42 x 18	1067	457.2	609.6
42 x 16	1067	406.4	609.6
44 x 42	1117.6	1066.8	609.6
44 x 40	1117.6	1016	609.6
44 x 38	1117.6	965.2	609.6
44 x 36	1117.6	914.4	609.6
44 x 34	1117.6	864	609.6
44 x 32	1117.6	813	609.6
44 x 30	1117.6	762	609.6
44 x 28	1117.6	711	609.6
44 x 26	1117.6	660	609.6
44 x 24	1117.6	609.6	609.6
44 x 22	1117.6	558.8	609.6
44 x 20	1117.6	508	609.6
44 x 18	1117.6	457.2	609.6
44 x 16	1117.6	406.4	609.6
46 x 44	1168.4	1117.6	711.2
46 x 42	1168.4	1066.8	711.2
46 x 40	1168.4	1016	711.2
46 x 38	1168.4	965.2	711.2
46 x 36	1168.4	914.4	711.2
46 x 34	1168.4	864	711.2

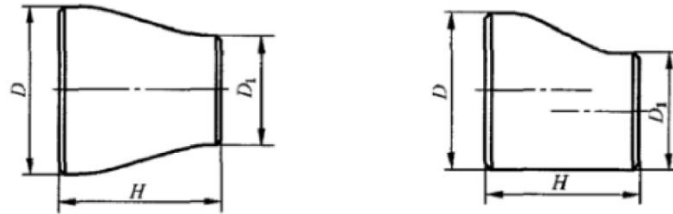
Concentric and Eccentric Reducer



Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
46 x 32	1168.4	813	711.2
46 x 30	1168.4	762	711.2
46 x 28	1168.4	711	711.2
46 x 26	1168.4	660	711.2
46 x 24	1168.4	609.6	711.2
46 x 22	1168.4	558.8	711.2
46 x 20	1168.4	508	711.2
46 x 18	1168.4	457.2	711.2
46 x 16	1168.4	406.4	711.2
48 x 46	1219.2	1168.4	711.2
48 x 44	1219.2	1117.6	711.2
48 x 42	1219.2	1066.8	711.2
48 x 40	1219.2	1016	711.2
48 x 38	1219.2	965.2	711.2
48 x 36	1219.2	914.4	711.2
48 x 34	1219.2	864	711.2
48 x 32	1219.2	813	711.2
48 x 30	1219.2	762	711.2
48 x 28	1219.2	711	711.2
48 x 26	1219.2	660	711.2
48 x 24	1219.2	609.6	711.2
48 x 22	1219.2	558.8	711.2
48 x 20	1219.2	508	711.2
48 x 18	1219.2	457.2	711.2
48 x 16	1219.2	406.4	711.2
52 x 48	1321	1219	711.2

Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
52 x 46	1321	1168	711.2
52 x 44	1321	1118	711.2
52 x 42	1321	1067	711.2
52 x 40	1321	1016	711.2
52 x 38	1321	965	711.2
52 x 36	1321	914	711.2
52 x 34	1321	864	711.2
52 x 32	1321	813	711.2
52 x 30	1321	762	711.2
52 x 28	1321	711	711.2
52 x 26	1321	660	711.2
52 x 24	1321	609.6	711.2
52 x 22	1321	558.8	711.2
52 x 20	1321	508	711.2
52 x 18	1321	457.2	711.2
52 x 16	1321	406.4	711.2
56 x 52	1422	1321	711.2
56 x 48	1422	1219	711.2
56 x 44	1422	1118	711.2
56 x 40	1422	1016	711.2
56 x 36	1422	914	711.2
56 x 32	1422	813	711.2
56 x 28	1422	711	711.2
56 x 24	1422	609.6	711.2
56 x 20	1422	508	711.2
56 x 16	1422	406.4	711.2

Concentric and Eccentric Reducer



Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
60 x 56	1524	1422	711.2
60 x 52	1524	1321	711.2
60 x 48	1524	1219	711.2
60 x 44	1524	1118	711.2
60 x 40	1524	1016	711.2
60 x 36	1524	914	711.2

Nominal Pipe Size (NPS)	Outside Diameter at Bevel(mm)		End to end H(mm)
	Large End D	Small End D1	
60 x 32	1524	813	711.2
60 x 28	1524	711	711.2
60 x 24	1524	609.6	711.2
60 x 20	1524	508	711.2
60 x 16	1524	406.4	711.2