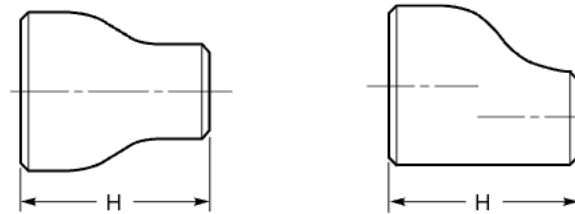


Table 6.1-11
Dimensions of Reducers



Nominal Pipe Size (NPS)	Outside Diameter at Bevel, mm (in.)		End-to-End, H, mm (in.)	Nominal Pipe Size (NPS)	Outside Diameter at Bevel, mm (in.)		End-to-End, H, mm (in.)
	Large End	Small End			Large End	Small End	
$\frac{3}{4} \times \frac{1}{2}$	26.7 (1.05)	21.3 (0.84)	38 (1.50)	$4 \times 1\frac{1}{2}$	114.3 (4.50)	48.3 (1.90)	102 (4.00)
$\frac{3}{4} \times \frac{3}{8}$	26.7 (1.05)	17.3 (0.68)	38 (1.50)	5×4	141.3 (5.56)	114.3 (4.50)	127 (5.00)
$1 \times \frac{3}{4}$	33.4 (1.32)	26.7 (1.05)	51 (2.00)	$5 \times 3\frac{1}{2}$	141.3 (5.56)	101.6 (4.00)	127 (5.00)
$1 \times \frac{1}{2}$	33.4 (1.32)	21.3 (0.84)	51 (2.00)	5×3	141.3 (5.56)	88.9 (3.50)	127 (5.00)
$1\frac{1}{4} \times 1$	42.2 (1.66)	33.4 (1.32)	51 (2.00)	$5 \times 2\frac{1}{2}$	141.3 (5.56)	73.0 (2.88)	127 (5.00)
$1\frac{1}{4} \times \frac{3}{4}$	42.2 (1.66)	26.7 (1.05)	51 (2.00)	5×2	141.3 (5.56)	60.3 (2.38)	127 (5.00)
$1\frac{1}{4} \times \frac{1}{2}$	42.2 (1.66)	21.3 (0.84)	51 (2.00)	6×5	168.3 (6.62)	141.3 (5.56)	140 (5.50)
$1\frac{1}{2} \times 1\frac{1}{4}$	48.3 (1.90)	42.2 (1.66)	64 (2.50)	6×4	168.3 (6.62)	114.3 (4.50)	140 (5.50)
$1\frac{1}{2} \times 1$	48.3 (1.90)	33.4 (1.32)	64 (2.50)	$6 \times 3\frac{1}{2}$	168.3 (6.62)	101.6 (4.00)	140 (5.50)
$1\frac{1}{2} \times \frac{3}{4}$	48.3 (1.90)	26.7 (1.05)	64 (2.50)	6×3	168.3 (6.62)	88.9 (3.50)	140 (5.50)
$1\frac{1}{2} \times \frac{1}{2}$	48.3 (1.90)	21.3 (0.84)	64 (2.50)	$6 \times 2\frac{1}{2}$	168.3 (6.62)	73.0 (2.88)	140 (5.50)
$2 \times 1\frac{1}{2}$	60.3 (2.38)	48.3 (1.90)	76 (3.00)	8×6	219.1 (8.62)	168.3 (6.62)	152 (6.00)
$2 \times 1\frac{1}{4}$	60.3 (2.38)	42.2 (1.66)	76 (3.00)	8×5	219.1 (8.62)	141.3 (5.56)	152 (6.00)
2×1	60.3 (2.38)	33.4 (1.32)	76 (3.00)	8×4	219.1 (8.62)	114.3 (4.50)	152 (6.00)
$2 \times \frac{3}{4}$	60.3 (2.38)	26.7 (1.05)	76 (3.00)	$8 \times 3\frac{1}{2}$	219.1 (8.62)	101.6 (4.00)	152 (6.00)
$2\frac{1}{2} \times 2$	73.0 (2.88)	60.3 (2.38)	89 (3.50)	10×8	273.0 (10.75)	219.1 (8.62)	178 (7.00)
$2\frac{1}{2} \times 1\frac{1}{2}$	73.0 (2.88)	48.3 (1.90)	89 (3.50)	10×6	273.0 (10.75)	168.3 (6.62)	178 (7.00)
$2\frac{1}{2} \times 1\frac{1}{4}$	73.0 (2.88)	42.2 (1.66)	89 (3.50)	10×5	273.0 (10.75)	141.3 (5.56)	178 (7.00)
$2\frac{1}{2} \times 1$	73.0 (2.88)	33.4 (1.32)	89 (3.50)	10×4	273.0 (10.75)	114.3 (4.50)	178 (7.00)
$3 \times 2\frac{1}{2}$	88.9 (3.50)	73.0 (2.88)	89 (3.50)	12×10	323.8 (12.75)	273.0 (10.75)	203 (8.00)
3×2	88.9 (3.50)	60.3 (2.38)	89 (3.50)	12×8	323.8 (12.75)	219.1 (8.62)	203 (8.00)
$3 \times 1\frac{1}{2}$	88.9 (3.50)	48.3 (1.90)	89 (3.50)	12×6	323.8 (12.75)	168.3 (6.62)	203 (8.00)
$3 \times 1\frac{1}{4}$	88.9 (3.50)	42.2 (1.66)	89 (3.50)	12×5	323.8 (12.75)	141.3 (5.56)	203 (8.00)
$3\frac{1}{2} \times 3$	101.6 (4.00)	88.9 (3.50)	102 (4.00)	14×12	355.6 (14.00)	323.8 (12.75)	330 (13.00)
$3\frac{1}{2} \times 2\frac{1}{2}$	101.6 (4.00)	73.0 (2.88)	102 (4.00)	14×10	355.6 (14.00)	273.0 (10.75)	330 (13.00)
$3\frac{1}{2} \times 2$	101.6 (4.00)	60.3 (2.38)	102 (4.00)	14×8	355.6 (14.00)	219.1 (8.62)	330 (13.00)
$3\frac{1}{2} \times 1\frac{1}{2}$	101.6 (4.00)	48.3 (1.90)	102 (4.00)	14×6	355.6 (14.00)	168.3 (6.62)	330 (13.00)
$3\frac{1}{2} \times 1\frac{1}{4}$	101.6 (4.00)	42.2 (1.66)	102 (4.00)	16×14	406.4 (16.00)	355.6 (14.00)	356 (14.00)
$4 \times 3\frac{1}{2}$	114.3 (4.50)	101.6 (4.00)	102 (4.00)	16×12	406.4 (16.00)	323.8 (12.75)	356 (14.00)
4×3	114.3 (4.50)	88.9 (3.50)	102 (4.00)	16×10	406.4 (16.00)	273.0 (10.75)	356 (14.00)
$4 \times 2\frac{1}{2}$	114.3 (4.50)	73.0 (2.88)	102 (4.00)	16×8	406.4 (16.00)	219.1 (8.62)	356 (14.00)
4×2	114.3 (4.50)	60.3 (2.38)	102 (4.00)				

Table 6.1-11
Dimensions of Reducers (Cont'd)

Nominal Pipe Size (NPS)	Outside Diameter at Bevel, mm (in.)		End-to-End, H, mm (in.)	Nominal Pipe Size (NPS)	Outside Diameter at Bevel, mm (in.)		End-to-End, H, mm (in.)
	Large End	Small End			Large End	Small End	
18 × 16	457 (18.00)	406.4 (16.00)	381 (15.00)	34 × 24	864 (34.00)	610.0 (24.00)	610 (24.00)
18 × 14	457 (18.00)	355.6 (14.00)	381 (15.00)	36 × 34	914 (36.00)	864 (34.00)	610 (24.00)
18 × 12	457 (18.00)	323.8 (12.75)	381 (15.00)	36 × 32	914 (36.00)	813 (32.00)	610 (24.00)
18 × 10	457 (18.00)	273.0 (10.75)	381 (15.00)	36 × 30	914 (36.00)	762 (30.00)	610 (24.00)
20 × 18	508 (20.00)	457.0 (18.00)	508 (20.00)	36 × 26	914 (36.00)	660 (26.00)	610 (24.00)
20 × 16	508 (20.00)	406.4 (16.00)	508 (20.00)	36 × 24	914 (36.00)	610 (24.00)	610 (24.00)
20 × 14	508 (20.00)	355.6 (14.00)	508 (20.00)	38 × 36	965 (38.00)	914 (36.00)	610 (24.00)
20 × 12	508 (20.00)	323.8 (12.75)	508 (20.00)	38 × 34	965 (38.00)	864 (34.00)	610 (24.00)
22 × 20	559 (22.00)	508.0 (20.00)	508 (20.00)	38 × 32	965 (38.00)	813 (32.00)	610 (24.00)
22 × 18	559 (22.00)	457.0 (18.00)	508 (20.00)	38 × 30	965 (38.00)	762 (30.00)	610 (24.00)
22 × 16	559 (22.00)	406.4 (16.00)	508 (20.00)	38 × 28	965 (38.00)	711 (28.00)	610 (24.00)
22 × 14	559 (22.00)	355.4 (14.00)	508 (20.00)	38 × 26	965 (38.00)	660 (26.00)	610 (24.00)
24 × 22	610 (24.00)	559.0 (22.00)	508 (20.00)	40 × 38	1 016 (40.00)	965 (38.00)	610 (24.00)
24 × 20	610 (24.00)	508.0 (20.00)	508 (20.00)	40 × 36	1 016 (40.00)	914 (36.00)	610 (24.00)
24 × 18	610 (24.00)	457.0 (18.00)	508 (20.00)	40 × 34	1 016 (40.00)	864 (34.00)	610 (24.00)
24 × 16	610 (24.00)	406.4 (16.00)	508 (20.00)	40 × 32	1 016 (40.00)	813 (32.00)	610 (24.00)
26 × 24	660 (26.00)	610.0 (24.00)	610 (24.00)	40 × 30	1 016 (40.00)	762 (30.00)	610 (24.00)
26 × 22	660 (26.00)	559.0 (22.00)	610 (24.00)	42 × 40	1 067 (42.00)	1 016 (40.00)	610 (24.00)
26 × 20	660 (26.00)	508.0 (20.00)	610 (24.00)	42 × 38	1 067 (42.00)	965 (38.00)	610 (24.00)
26 × 18	660 (26.00)	457.0 (18.00)	610 (24.00)	42 × 36	1 067 (42.00)	914 (36.00)	610 (24.00)
28 × 26	711 (28.00)	660.0 (26.00)	610 (24.00)	42 × 34	1 067 (42.00)	864 (34.00)	610 (24.00)
28 × 24	711 (28.00)	610.0 (24.00)	610 (24.00)	42 × 32	1 067 (42.00)	813 (32.00)	610 (24.00)
28 × 20	711 (28.00)	508.0 (20.00)	610 (24.00)	42 × 30	1 067 (42.00)	762 (30.00)	610 (24.00)
28 × 18	711 (28.00)	457.0 (18.00)	610 (24.00)	44 × 42	1 118 (44.00)	1 067 (42.00)	610 (24.00)
30 × 28	762 (30.00)	711.0 (28.00)	610 (24.00)	44 × 40	1 118 (44.00)	1 016 (40.00)	610 (24.00)
30 × 26	762 (30.00)	660.0 (26.00)	610 (24.00)	44 × 38	1 118 (44.00)	965 (38.00)	610 (24.00)
30 × 24	762 (30.00)	610.0 (24.00)	610 (24.00)	44 × 36	1 118 (44.00)	914 (36.00)	610 (24.00)
30 × 20	762 (30.00)	508.0 (20.00)	610 (24.00)	46 × 44	1 168 (46.00)	1 118 (44.00)	711 (28.00)
32 × 30	813 (32.00)	762.0 (30.00)	610 (24.00)	46 × 42	1 168 (46.00)	1 067 (42.00)	711 (28.00)
32 × 28	813 (32.00)	711.0 (28.00)	610 (24.00)	46 × 40	1 168 (46.00)	1 016 (40.00)	711 (28.00)
32 × 26	813 (32.00)	660.0 (26.00)	610 (24.00)	46 × 38	1 168 (46.00)	965 (38.00)	711 (28.00)
32 × 24	813 (32.00)	610.0 (24.00)	610 (24.00)	48 × 46	1 219 (48.00)	1 168 (46.00)	711 (28.00)
34 × 32	864 (34.00)	813.0 (32.00)	610 (24.00)	48 × 44	1 219 (48.00)	1 118 (44.00)	711 (28.00)
34 × 30	864 (34.00)	762.0 (30.00)	610 (24.00)	48 × 42	1 219 (48.00)	1 067 (42.00)	711 (28.00)
34 × 26	864 (34.00)	660.0 (26.00)	610 (24.00)	48 × 40	1 219 (48.00)	1 016 (40.00)	711 (28.00)

GENERAL NOTE: Although the figure illustrates a bell-shaped reducer, the use of a conical reducer is not prohibited.