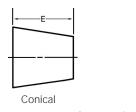
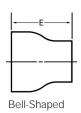
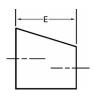
Reducers

Concentric and Eccentric Reducers







Concentric

Eccentric

- Available in either the "as welded" or "annealed" condition as described more fully under smooth flow elbows on page 6.
- Alloys stocked include Types 304, 304L, 316, 316L and 317L. However, concentric and eccentric reducers can normally be produced in any weldable corrosion resistant alloy.
- Non-standard sizes and reductions are available.
- ID size reducers are available.
- Some common sizes can be provided bell-shaped.

Nominal Pipe Size		Outs	Е		
³ / ₄	X 1/2	1.05	Χ	.840	1 1/2
1	X 3/4	1.31	Χ	1.05	2
	X 1/2		Χ	.840	2
1 1/4	X 1	1.66	Χ	1.31	2
	X 3/4		Χ	1.05	2
	X 1/2		Χ	.840	2
1 1/2	X 1 1/ ₄	1.90	Χ	1.66	2 1/2
	X 1		Χ	1.31	2 1/2
	X 3/4		Χ	1.05	2 1/2
	X 1/2		Χ	.840	2 1/2
		2	Χ	1 1/2	3
			Χ	1 1/4	3
			Χ	1	3
			Χ	3/4	3
2	X 1 ¹ / ₂	2 ³ / ₈	Χ	1.90	3
	X 1 1/ ₄	-	Χ	1.66	3
	X 1		Χ	1.31	3
	X 3/4		Χ	1.05	3
		2 1/2	Χ	2	3 1/2
			Χ	1 1/2	3 1/2
			Χ	1 1/4	3 1/2
			Χ	1	3 1/2
2 1/2	X 2	2 7/8	Χ	2 3/8	3 1/2
	X 1 1/ ₂		Χ	1.90	3 1/2
	X 1 1/ ₄		Χ	1.66	3 1/2
	X 1		Χ	1.31	3 1/2
		3	Χ	2 1/2	3 1/2
			Χ	2	3 1/2
			Χ	1 1/2	3 1/2
			Χ	1 1/4	3 1/2
3	X 2 1/2	3 1/2	Χ	2 7/8	3 1/2
	X 2		Χ	2 3/8	3 1/2
	X 1 1/ ₂		Χ	1.90	3 1/2
	X 1 1/.		Χ	1.66	3 1/-

4 X 3 4 X 2 \(\frac{1}{2} \) 5 X 3 \(\frac{1}{2} \) 5 X 3 \(\frac{1}{2} \) 5 X 3 \(\frac{1}{2} \) 5 X 4 \(\frac{1}{2} \) 5 X 3 \(\frac{1}{2} \) 5 X 4 \(\frac{1}{2} \) 5 \(\frac{1}{2} \) X 3 \(\frac{1}{2} \) 5 \(\frac{1}{2} \) X 4 \(\frac{1}{2} \) 5 \(\frac{1}{2} \) X 4 \(\fra		No	ominal Pipe Size		Oı	utside Diameter	E
X 2				4	Χ	3	4
X 2					Χ	2 1/2	4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						2	4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					Χ	1 1/2	4
X 2 Y 2 Y 4 X 2 Y 2 3/8 4 X 1 1/90 4 5 X 4 5 X 3 5 X 2 5 X 2 5 X 3 1/2 5 X 3 1/2 5 X 3 1/2 5 X 2 1/2 5 X 3 5 1/2 X 4 1/2 5 X 4 1/2 5 X 4 1/2 5 X 4 1/2 5 X 2 1/2	4	Χ		4 1/2	Χ	3 1/2	4
X 2		Χ	2 1/2			2 7/。	4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Χ	2		Χ	2 3/8	4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Χ	1 1/2		Χ	1.90	4
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				5	Χ	4	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					Χ		
5 X 4 5 % 16 X 4 % 1/2 5 X 3 X 2 % 1/2 5 X 2 X 2 % 8 5 X 4 5 % 5 5 % 2 X 4 5 % 2 5 % 2 X 4 5 % 2 5 % 2 X 3 5 % 2 5 % 2 X 2 % 2 % 6 5 % 3 5 % 2 X 4 4 % 2 5 % 2 X 4 4 % 2 5 % 2 X 3 3 % 2 5 % 2 X 3 3 % 2 5 % 2 X 3 3 % 2 5 % 2 X 3 5 % 3 5 % 2 X 4 6 6 X 5 6 6 X 4 6 6 X 5 6 6 X 4 6 6 X 5 6 6 X 5 6 6 X 5 6 6 X 5 6 6 X 5 6 6					Χ	2 1/2	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						2	5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	5	Χ	4	5 ⁹ / ₁₆	Χ	4 1/2	5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Χ			Χ	3 1/2	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			2 1/2			2 ⁷ / ₈	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Χ	2		Χ	2 3/8	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				6	Χ	5	5 ¹ / ₂
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							5 ¹ / ₂
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$							5 ¹ / ₂
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					Χ	2 1/2	5 ¹ / ₂
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	6	Χ	5	6 ⁵ / ₈	Χ	5 ⁹ / ₁₆	5 ¹ / ₂
X 3 X 3 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					Χ	4 1/2	5 ¹ / ₂
X 2 1/2						3 1/2	5 ¹ / ₂
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		Χ	2 1/2		Χ	2 ⁷ / ₈	5 ¹ / ₂
X 4 6 X 3 6 8 X 6 6 X 5 X 5 6 X 5 7 6 6				8	Χ	6	6
X 3 6 8 X 6 6 X 5 X 5 6 X 5 7 6					Χ		6
8 X 6 8 5/8 X 6 5/8 6 X 5 X 5 9/16 6							6
X 5 X 5 9/ ₁₆ 6							6
X 5 X 5 9/ ₁₆ 6	8	Χ	6	8 5/8		6 5/8	6
X 4 X 4 ½ 6						5 ⁹ / ₁₆	6
		Χ	4		Χ	4 1/2	6

Dimensions are per ANSI B16.9 and are in inches.

Alloys: pg. 56, 57 Wall Thicknesses: pg. 51 Tolerances: pg. 58 Specifications: pg. 54, 55 Shipping Weights: pg. 51