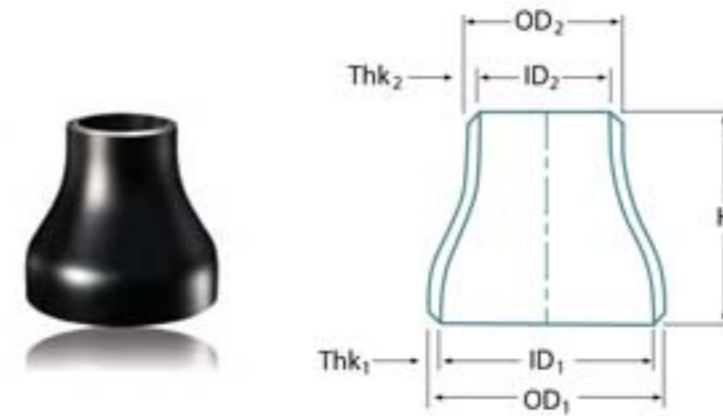


## Concentric Reducers

ASTM A234  
ASME B16.9  
Standard (STD) & Extra Heavy (XH)



Nominal Pipe Size	Outside Diameter		STD				XH				End to End	Approx. Unit Weight	
	Large End	Small End	Large End	Small End	Large End	Small End	Large End	Small End	Large End	Small End		STD (kg)	XH (kg)
NPS (inch)	OD <sub>1</sub> (mm)	OD <sub>2</sub> (mm)	ID <sub>1</sub> (mm)	Thk <sub>1</sub> (mm)	ID <sub>2</sub> (mm)	Thk <sub>2</sub> (mm)	ID <sub>1</sub> (mm)	Thk <sub>1</sub> (mm)	ID <sub>2</sub> (mm)	Thk <sub>2</sub> (mm)	H (mm)	STD (kg)	XH (kg)
1/4 x 1/2	26.7	21.3	20.9	2.87	15.8	2.77	18.9	3.91	13.9	3.73	38.1	0.06	0.08
1 x 1/4	33.5	26.7	26.8	3.38	20.9	2.87	24.4	4.55	18.9	3.91	50.8	0.12	0.15
1 x 1/2	33.5	21.3	26.8	3.38	15.8	2.77	24.4	4.55	13.9	3.73	50.8	0.11	0.14
1 1/4 x 1	42.2	33.5	35.0	3.56	26.8	3.38	32.5	4.85	24.4	4.55	50.8	0.16	0.21
1 1/4 x 1/4	42.2	26.7	35.0	3.56	20.9	2.87	32.5	4.85	18.9	3.91	50.8	0.15	0.19
1 1/4 x 1/2	42.2	21.3	35.0	3.56	15.8	2.77	32.5	4.85	13.9	3.73	50.8	0.14	0.18
1 1/2 x 1 1/4	48.3	42.2	40.9	3.68	35.0	3.56	38.1	5.08	32.5	4.85	63.5	0.25	0.33
1 1/2 x 1	48.3	33.5	40.9	3.68	26.8	3.38	38.1	5.08	24.4	4.55	63.5	0.22	0.30
1 1/2 x 1/4	48.3	26.7	40.9	3.68	20.9	2.87	38.1	5.08	18.9	3.91	63.5	0.21	0.27
1 1/2 x 1/2	48.3	21.3	40.9	3.68	15.8	2.77	38.1	5.08	13.9	3.73	63.5	0.18	0.24
2 x 1 1/2	60.5	48.3	52.6	3.91	40.9	3.68	49.4	5.54	38.1	5.08	76.2	0.38	0.51
2 x 1 1/4	60.5	42.2	52.6	3.91	35.0	3.56	49.4	5.54	32.5	4.85	76.2	0.36	0.48
2 x 1	60.5	33.5	52.6	3.91	26.8	3.38	49.4	5.54	24.4	4.55	76.2	0.33	0.44
2 x 1/4	60.5	26.7	52.6	3.91	20.9	2.87	49.4	5.54	18.9	3.91	76.2	0.30	0.40
2 1/2 x 2	73.2	60.5	62.8	5.16	52.6	3.91	59.1	7.01	49.4	5.54	88.9	0.73	0.95
2 1/2 x 1 1/2	73.2	48.3	62.8	5.16	40.9	3.68	59.1	7.01	38.1	5.08	88.9	0.67	0.87
2 1/2 x 1 1/4	73.2	42.2	62.8	5.16	35.0	3.56	59.1	7.01	32.5	4.85	88.9	0.64	0.83
2 1/2 x 1	73.2	33.5	62.8	5.16	26.8	3.38	59.1	7.01	24.4	4.55	88.9	0.56	0.73
3 x 2 1/2	88.9	73.2	77.9	5.49	62.8	5.16	73.7	7.62	59.1	7.01	88.9	0.94	1.25
3 x 2	88.9	60.5	77.9	5.49	52.6	3.91	73.7	7.62	49.4	5.54	88.9	0.85	1.13
3 x 1 1/2	88.9	48.3	77.9	5.49	40.9	3.68	73.7	7.62	38.1	5.08	88.9	0.79	1.04

## Concentric Reducers (cont')

ASTM A234  
ASME B16.9  
Standard (STD) & Extra Heavy (XH)

Nominal Pipe Size	Outside Diameter		STD				XH				End to End	Approx. Unit Weight	
	Large End	Small End	Large End	Small End	Large End	Small End	Large End	Small End	Large End	Small End		STD (kg)	XH (kg)
NPS (inch)	OD <sub>1</sub> (mm)	OD <sub>2</sub> (mm)	ID <sub>1</sub> (mm)	Thk <sub>1</sub> (mm)	ID <sub>2</sub> (mm)	Thk <sub>2</sub> (mm)	ID <sub>1</sub> (mm)	Thk <sub>1</sub> (mm)	ID <sub>2</sub> (mm)	Thk <sub>2</sub> (mm)	H (mm)	STD (kg)	XH (kg)
3 x 1 1/4	88.9	42.2	77.9	5.49	35.0	3.56	73.7	7.62	32.5	4.85	88.9	0.75	1.00
3 x 1	88.9	33.5	77.9	5.49	26.8	3.38	73.7	7.62	24.4	4.55	88.9	0.71	0.96
4 x 3	114.3	88.9	102.3	6.02	77.9	5.49	97.2	8.56	73.7	7.62	101.6	1.45	2.02
4 x 2 1/2	114.3	73.2	102.3	6.02	62.8	5.16	97.2	8.56	59.1	7.01	101.6	1.37	1.90
4 x 2	114.3	60.5	102.3	6.02	52.6	3.91	97.2	8.56	49.4	5.54	101.6	1.27	1.76
5 x 4	141.2	114.3	128.1	6.55	102.3	6.02	122.2	9.52	97.2	8.56	127.0	2.50	3.52
5 x 3	141.2	88.9	128.1	6.55	77.9	5.49	122.2	9.52	73.7	7.62	127.0	2.27	3.18
5 x 2 1/2	141.2	73.2	128.1	6.55	62.8	5.16	-	-	-	-	127.0	2.16	-
5 x 2	141.2	60.5	128.1	6.55	52.6	3.91	-	-	-	-	127.0	2.03	-
6 x 5	168.1	141.2	153.9	7.11	128.1	6.55	146.2	10.97	122.2	9.52	139.7	3.57	5.38
6 x 4	168.1	114.3	153.9	7.11	102.3	6.02	146.2	10.97	97.2	8.56	139.7	3.30	4.96
6 x 3	168.1	88.9	153.9	7.11	77.9	5.49	146.2	10.97	73.7	7.62	139.7	3.04	4.56
6 x 2 1/2	168.1	73.2	153.9	7.11	62.8	5.16	-	-	-	-	139.7	2.94	-
6 x 2	168.1	60.5	153.9	7.11	52.6	3.91	-	-	-	-	139.7	2.81	-
8 x 6	218.9	168.1	202.6	8.18	153.9	7.11	193.5	12.70	146.2	10.97	152.4	5.71	8.63
10 x 8	273.1	218.9	254.5	9.27	202.6	8.18	247.7	12.70	193.5	12.70	177.8	9.58	12.90