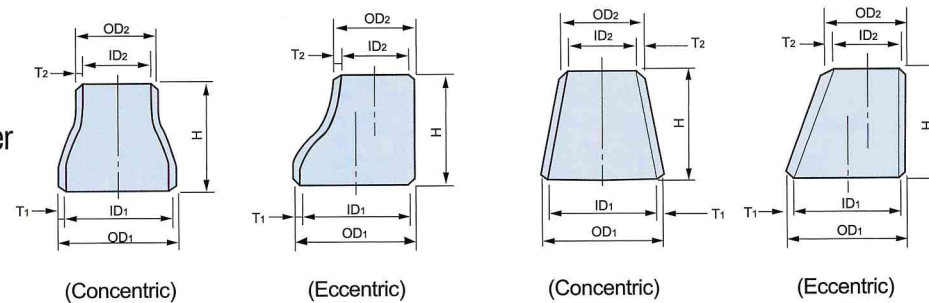
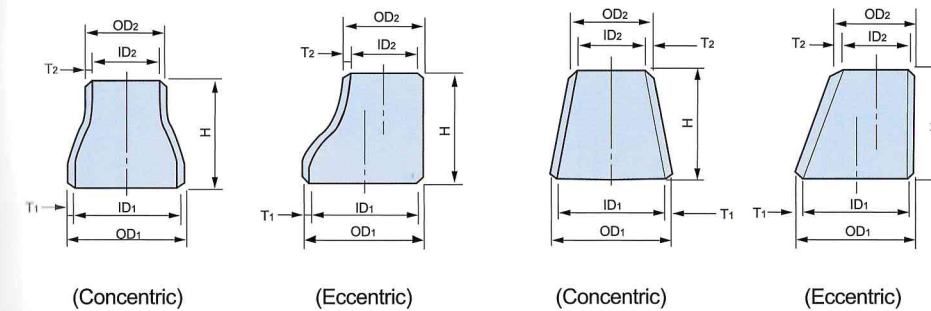


REDUCER

Concentric & Eccentric Reducer

ASME B16.9
ASME B36.10
ASME B36.19

Nominal Pipe Size	Dimensions			Wall Thickness									
	Outside Diameter at Bevel : D ₁ /D ₂		End to End										
				Sch. 20		Sch. 30		STD / Sch.40s		Sch.40		Sch. 60	
	OD ₁	OD ₂	H	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂
NPS	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
3/4 x 1/2	26.7	21.3	38	-	-	2.41	2.41	2.87	2.77	2.87	2.77	-	-
1 x 3/4	33.4	26.7	51	-	-	2.90	2.41	3.38	2.87	3.38	2.87	-	-
1 x 1/2	33.4	21.3	51	-	-	2.90	2.41	3.38	2.77	3.38	2.77	-	-
1 1/4 x 1	42.2	33.4	51	-	-	2.97	2.90	3.56	3.38	3.56	3.38	-	-
1 1/4 x3/4	42.2	26.7	51	-	-	2.97	2.41	3.56	2.87	3.56	2.87	-	-
1 1/4 x1/2	42.2	21.3	51	-	-	2.97	2.41	3.56	2.77	3.56	2.77	-	-
1 1/2 x 1 1/4	48.3	42.2	64	-	-	3.18	2.97	3.68	3.56	3.68	3.56	-	-
1 1/2 x 1	48.3	33.4	64	-	-	3.18	2.90	3.68	3.38	3.68	3.38	-	-
1 1/2 x 3/4	48.3	26.7	64	-	-	3.18	2.41	3.68	2.87	3.68	2.87	-	-
1 1/2 x1/2	48.3	21.3	64	-	-	3.18	2.41	3.68	2.77	3.68	2.77	-	-
2 x 1 1/2	60.3	48.3	76	-	-	3.18	3.18	3.91	3.68	3.91	3.68	-	-
2 x 1 1/4	60.3	42.2	76	-	-	3.18	2.97	3.91	3.56	3.91	3.56	-	-
2 x 1	60.3	33.4	76	-	-	3.18	2.90	3.91	3.38	3.91	3.38	-	-
2 x 3/4	60.3	26.7	76	-	-	3.18	2.41	3.91	2.87	3.91	2.87	-	-
2 1/2 x 2	73.0	60.3	89	-	-	4.78	3.18	5.16	3.91	5.16	3.91	-	-
2 1/2 x 1 1/2	73.0	48.3	89	-	-	4.78	3.18	5.16	3.68	5.16	3.68	-	-
2 1/2 x 1 1/4	73.0	42.2	89	-	-	4.78	2.97	5.16	3.56	5.16	3.56	-	-
2 1/2 x 1	73.0	33.4	89	-	-	4.78	2.90	5.16	3.38	5.16	3.38	-	-
3 x 2 1/2	88.9	73.0	89	-	-	4.78	4.78	5.49	5.16	5.49	5.16	-	-
3 x 2	88.9	60.3	89	-	-	4.78	3.18	5.49	3.91	5.49	3.91	-	-
3 x 1 1/2	88.9	48.3	89	-	-	4.78	3.18	5.49	3.68	5.49	3.68	-	-
3 x 1 1/4	88.9	42.2	89	-	-	4.78	2.97	5.49	3.56	5.49	3.56	-	-
3 1/2 x 3	101.6	88.9	102	-	-	4.78	4.78	5.74	5.49	5.74	5.49	-	-
3 1/2 x 2 1/2	101.6	73.0	102	-	-	4.78	4.78	5.74	5.16	5.74	5.16	-	-
3 1/2 x 2	101.6	60.3	102	-	-	4.78	3.18	5.74	3.91	5.74	3.91	-	-
3 1/2 x 1 1/2	101.6	48.3	102	-	-	4.78	3.18	5.74	3.68	5.74	3.68	-	-
3 1/2 x 1 1/4	101.6	42.2	102	-	-	4.78	2.97	5.74	3.56	5.74	3.56	-	-
4 x 3 1/2	114.3	101.6	102	-	-	4.78	4.78	6.02	5.74	6.02	5.74	-	-
4 x 3	114.3	88.9	102	-	-	4.78	4.78	6.02	5.49	6.02	5.49	-	-
4 x 2 1/2	114.3	73.0	102	-	-	4.78	4.78	6.02	5.16	6.02	5.16	-	-
4 x 2	114.3	60.3	102	-	-	4.78	3.18	6.02	3.91	6.02	3.91	-	-
4 x 1 1/2	114.3	48.3	102	-	-	4.78	3.18	6.02	3.68	6.02	3.68	-	-
5 x 4	141.3	114.3	127	-	-	-	-	6.55	6.02	6.55	6.02	-	-
5 x 3 1/2	141.3	101.6	127	-	-	-	-	6.55	5.74	6.55	5.74	-	-
5 x 3	141.3	88.9	127	-	-	-	-	6.55	5.49	6.55	5.49	-	-
5 x 2 1/2	141.3	73.0	127	-	-	-	-	6.55	5.16	6.55	5.16	-	-
5 x 2	141.3	60.3	127	-	-	-	-	6.55	3.91	6.55	3.91	-	-
6 x 5	168.3	141.3	140	-	-	-	-	7.11	6.55	7.11	6.55	-	-
6 x 4	168.3	114.3	140	-	-	-	-	7.11	6.02	7.11	6.02	-	-
6 x 3 1/2	168.3	101.6	140	-	-	-	-	7.11	5.74	7.11	5.74	-	-
6 x 3	168.3	88.9	140	-	-	-	-	7.11	5.49	7.11	5.49	-	-
6 x 2 1/2	168.3	73.0	140	-	-	-	-	7.11	5.16	7.11	5.16	-	-



REDUCER

Concentric & Eccentric Reducer

ASME B16.9
ASME B36.10
ASME B36.19

Wall Thickness														Nominal Pipe Size
XS / Sch. 80s		Sch. 80		Sch. 100		Sch. 120		Sch.140		Sch.160		XXS		
T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	T ₁	T ₂	
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	NPS
3.91	3.73	3.91	3.73	-	-	-	-	-	-	5.56	4.78	7.82	7.47	3/4 x 1/2
4.55	3.91	4.55	3.91	-	-	-	-	-	-	6.35	5.56	9.09	7.82	1 x 3/4
4.55	3.73	4.55	3.73	-	-	-	-	-	-	6.35	4.78	9.09	7.47	1 x 1/2
4.85	4.55	4.85	4.55	-	-	-	-	-	-	6.35	6.35	9.70	9.09	1 1/4 x 1
4.85	3.91	4.85	3.91	-	-	-	-	-	-	6.35	5.56	9.70	7.82	1 1/4 x3/4
4.85	3.73	4.85	3.73	-	-	-	-	-	-	6.35	4.78	9.70	7.47	1 1/4 x1/2
5.08	4.85	5.08	4.85	-	-	-	-	-	-	7.14	6.35	10.15	9.70	1 1/2 x 1 1/4
5.08	4.55	5.08	4.55	-	-	-	-	-	-	7.14	6.35	10.15	9.09	1 1/2 x 1
5.08	3.91	5.08	3.91	-	-	-	-	-	-	7.14	5.56	10.15	7.82	1 1/2 x 3/4
5.08	3.73	5.08	3.73	-	-	-	-	-	-	7.14	4.78	10.15	7.47	1 1/2 x1/2
5.54	5.08	5.54	5.08	-	-	-	-	-	-	8.74	7.14	11.07	10.15	2 x 1 1/2
5.54	4.85	5.54	4.85	-	-	-	-	-	-	8.74	6.35	11.07	9.70	2 x 1 1/4
5.54	4.55	5.54	4.55	-	-	-	-	-	-	8.74	6.35	11.07	9.09	2 x 1
5.54	3.91	5.54	3.91	-	-	-	-	-	-	8.74	5.56	11.07	7.82	2 x 3/4
7.01	5.54	7.01	5.54	-	-	-	-	-	-	9.53	8.74	14.02	11.07	2 1/2 x 2
7.01	5.08	7.01	5.08	-	-	-	-	-	-	9.53	7.14	14.02	10.15	2 1/2 x 1 1/2
7.01	4.85	7.01	4.85	-	-	-	-	-	-	9.53	6.35	14.02	9.70	2 1/2 x 1 1/4
7.01	4.55	7.01	4.55	-	-	-	-	-	-	9.53	6.35	14.02	9.09	2 1/2 x 1
7.62	7.01	7.62	7.01	-	-	-	-	-	-	11.13	9.53	15.24	14.02	3 x 2 1/2
7.62	5.54	7.62	5.54	-	-	-	-	-	-	11.13	8.74	15.24	11.07	3 x 2
7.62	5.08	7.62	5.08	-	-	-	-	-	-	11.13	7.14	15.24	10.15	3 x 1 1/2
7.62	4.85	7.62	4.85	-	-	-	-	-	-	11.13	6.35	15.24	9.70	3 x 1 1/4
8.08	7.62	8.08	7.62	-	-	-	-	-	-	-	-	-	-	3 1/2 x 3
8.08	7.01	8.08	7.01	-	-	-	-	-	-	-	-	-	-	3 1/2 x 2 1/2
8.08	5.54	8.08	5.54	-	-	-	-	-	-	-	-	-	-	3 1/2 x 2
8.08	5.08	8.08	5.08	-	-	-	-	-	-	-	-	-	-	3 1/2 x 1 1/2
8.08	4.85	8.08	4.85	-	-	-	-	-	-	-	-	-	-	3 1/2 x 1 1/4
8.56	8.08	8.56	8.08	-	-	11.13	-	-	-	13.49	-	17.12	-	4 x 3 1/2
8.56	7.62	8.56	7.62	-	-	11.13	-	-	-	13.49	11.13	17.12	15.24	4 x 3
8.56	7.01	8.56	7.01	-	-	11.13	-	-	-	13.49	9.53	17.12	14.02	4 x 2 1/2
8.56	5.54	8.56	5.54	-	-	11.13	-	-	-	13.49	8.74	17.12	11.07	4 x 2
8.56	5.08	8.56	5.08	-	-	11.13	-	-	-	13.49	7.14	17.12	10.15	4 x 1 1/2
9.53	8.56	9.53	8.56	-	-	12.70	11.13	-	-	15.88	13.49	19.05	17.12	5 x 4
9.53	8.08	9.53	8.08	-	-	12.70	-	-	-	15.88	-	19.05	-	5 x 3 1/2
9.53	7.62	9.53	7.62	-	-	12.70	-	-	-	15.88	11.13	19.05	15.24	5 x 3
9.53	7.01	9.53	7.01	-	-	12.70	-	-	-	15.88	9.53	19.05	14.02	5 x 2 1/2
9.53	5.54	9.53	5.54	-	-	12.70	-	-	-	15.88	8.74	19.05	11.07	5 x 2
10.97	9.53	10.97	9.53	-	-	14.27	12.70	-	-	18.26	15.88	21.95	19.05	6 x 5
10.97	8.56	10.97	8.56	-	-	14.27	11.13	-	-	18.26	13.49	21.95	17.12	6 x 4
10.97	8.08	10.97	8.08	-	-	14.27	-	-	-	18.26	-	21.95	-	6 x 3 1/2
10.97	7.62	10.97	7.62	-	-	14.27	-	-	-	18.26	11.13	21.95	15.24	6 x 3
10.97	7.01	10.97	7.01	-	-	14.27	-	-	-	18.26	9.53	21.95	14.02	6 x 2 1/2