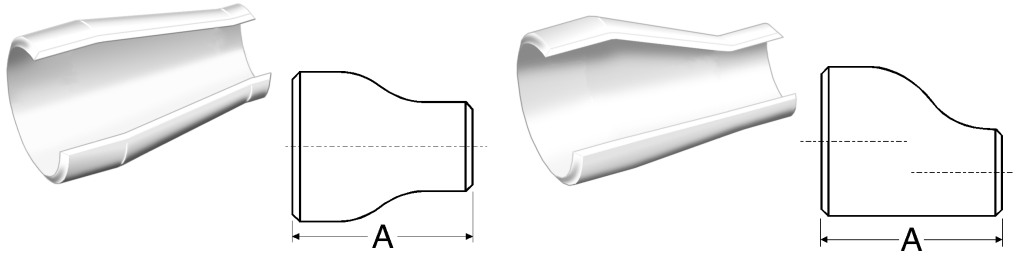


Concentric and Eccentric Reducers - ANSI B16.9







Dimensions (based on ASME/ANSI B16.9) and example weights for reducers

Nominal Pipe Size	Large End		Small End		End to End Dimension		Weight
	OD at Bevel		OD at Bevel		Dimension A		40S/STD ¹
	in	mm	in	mm	in	mm	kg/piece
3/4⇔1/2	1.05	27	0.84	21	1.50	38	0.06
3/4⇔3/8	1.05	27	0.68	17	1.50	38	-
1⇔3/4	1.32	33	1.05	27	2.00	51	0.12
1⇔1/2	1.32	32	0.84	21	2.00	51	0.11
1 1/4⇔1	1.66	42	1.32	33	2.00	51	0.16
1 1/4⇔3/4	1.66	42	1.05	27	2.00	51	0.14
1 1/4⇔1/2	1.66	42	0.84	21	2.00	51	0.13
1 1/2⇔1 1/4	1.90	48	1.66	42	2.50	64	0.24
1 1/2⇔1	1.90	48	1.32	33	2.50	64	0.22
1 1/2⇔3/4	1.90	48	1.05	27	2.50	64	0.20
1 1/2⇔1/2	1.90	48	0.84	21	2.50	64	0.18
2⇔1 1/2	2.38	60	1.90	48	3.00	76	0.37
2⇔1 1/4	2.38	60	1.66	42	3.00	76	0.35
2⇔1	2.38	60	1.32	33	3.00	76	0.32
2⇔3/4	2.38	60	1.05	27	3.00	76	0.30
2 1/2⇔2	2.88	73	2.38	60	3.50	89	0.72
2 1/2⇔1 1/2	2.88	73	1.90	48	3.50	89	0.66
2 1/2⇔1 1/4	2.88	73	1.66	42	3.50	89	0.63
2 1/2⇔1	2.88	73	1.32	33	3.50	89	-
3⇔2 1/2	3.50	89	2.88	73	3.50	89	0.93
3⇔2	3.50	89	2.38	60	3.50	89	0.85
3⇔1 1/2	3.50	89	1.90	48	3.50	89	0.78
3⇔1 1/4	3.50	89	1.66	42	3.50	89	0.75
3 1/2⇔3	4.00	102	3.50	89	4.00	102	-
3 1/2⇔2 1/2	4.00	102	2.88	73	4.00	102	-
3 1/2⇔2	4.00	102	2.38	60	4.00	102	-
3 1/2⇔1 1/2	4.00	102	1.90	48	4.00	102	-
Reducers 3 1/2⇔1 1/4, and 4, 5, 6, & 8⇔3 1/2 are also available							
4⇔3 1/2	4.50	114	4.00	102	4.00	102	-
4⇔3	4.50	114	3.50	89	4.00	102	1.45
4⇔2 1/2	4.50	114	2.88	73	4.00	102	1.37
4⇔2	4.50	114	2.38	60	4.00	102	1.27
4⇔1 1/2	4.50	114	1.90	48	4.00	102	1.18
5⇔4	5.56	141	4.50	114	5.00	127	2.50
5⇔3	5.56	141	3.50	89	5.00	127	2.27





Concentric and Eccentric Reducers - ANSI B16.9

Dimensions (based on ASME/ANSI B16.9) and example weights for reducers (Continued)

Nominal Pipe Size	Large End		Small End		End to End		Weight
	OD at Bevel		OD at Bevel		Dimension		40S/STD ¹
							
	in	mm	in	mm	in	mm	kg/piece
5⇒2½	5.56	141	2.88	73	5.00	127	2.16
6⇒5	6.62	168	5.56	141	5.50	140	3.57
6⇒4	6.62	168	4.50	114	5.50	140	3.30
6⇒3	6.62	168	3.50	89	5.50	140	3.04
8⇒6	8.62	219	6.62	168	6.00	152	5.71
8⇒5	8.62	219	5.56	141	6.00	152	5.40
8⇒4	8.62	219	4.50	114	6.00	152	5.10
10⇒8	10.75	273	8.62	219	7.00	178	9.58
10⇒6	10.75	273	6.62	168	7.00	178	8.78
10⇒5	10.75	273	5.56	141	7.00	178	8.42
12⇒10	12.75	324	10.75	273	8.00	203	13.6
12⇒8	12.75	324	8.62	219	8.00	203	12.7
12⇒6	12.75	324	6.62	168	8.00	203	11.8
14⇒12	14.00	356	12.75	324	13.00	330	25.4
14⇒10	14.00	356	10.75	273	13.00	330	23.6
14⇒8	14.00	356	8.62	219	13.00	330	21.8
16⇒14	16.00	406	14.00	356	14.00	356	31.0
16⇒12	16.00	406	12.75	324	14.00	356	29.6
16⇒10	16.00	406	10.75	273	14.00	356	27.8
18⇒16	18.00	457	16.00	406	15.00	381	37.8
18⇒14	18.00	457	14.00	356	15.00	381	35.7
18⇒12	18.00	457	12.75	324	15.00	381	34.3
20⇒18	20.00	508	18.00	457	20.00	508	56.4
20⇒16	20.00	508	16.00	406	20.00	508	53.5
20⇒14	20.00	508	14.00	356	20.00	508	50.8
22⇒20	22.00	559	20.00	508	20.00	508	62.6
22⇒18	22.00	559	18.00	457	20.00	508	59.7
22⇒16	22.00	559	16.00	406	20.00	508	57.1
24⇒22	24.00	610	22.00	559	20.00	508	68.6
24⇒20	24.00	610	20.00	508	20.00	508	65.7
24⇒18	24.00	610	18.00	457	20.00	508	63.0
26⇒24	26.00	600	24.00	610	24.00	610	-
26⇒22	26.00	600	22.00	559	24.00	610	-
26⇒20	26.00	600	20.00	508	24.00	610	-
26⇒18	26.00	600	18.00	457	24.00	610	-
28⇒26	28.00	711	26.00	660	24.00	610	-
28⇒24	28.00	711	24.00	610	24.00	610	-
28⇒20	28.00	711	20.00	508	24.00	610	-
28⇒18	28.00	711	18.00	457	24.00	610	-
30⇒28	30.00	762	28.00	711	24.00	610	-
30⇒26	30.00	762	26.00	660	24.00	610	-
30⇒24	30.00	762	24.00	610	24.00	610	-
30⇒20	30.00	762	20.00	508	24.00	610	-
32⇒30	32.00	813	30.00	762	24.00	610	-
32⇒28	32.00	813	28.00	711	24.00	610	-

Concentric and Eccentric Reducers - ANSI B16.9

Dimensions (based on ASME/ANSI B16.9) and example weights for reducers (Continued)

Nominal Pipe Size	Large End		Small End		End to End		Weight
	OD at Bevel		OD at Bevel		Dimension		40S/STD ¹
							
	in	mm	in	mm	in	mm	kg/piece
32↔26	32.00	813	26.00	660	24.00	610	-
32↔24	32.00	813	24.00	610	24.00	610	-
34↔32	34.00	864	32.00	813	24.00	610	-
34↔30	34.00	864	30.00	762	24.00	610	-
34↔26	34.00	864	26.00	660	24.00	610	-
34↔24	34.00	864	24.00	610	24.00	610	-
36↔34	36.00	914	34.00	864	24.00	610	-
36↔32	36.00	914	32.00	813	24.00	610	-
36↔30	36.00	914	30.00	762	24.00	610	-
36↔26	36.00	914	26.00	660	24.00	610	-
36↔24	36.00	914	24.00	610	24.00	610	-
38↔36	38.00	965	36.00	914	24.00	610	-
38↔34	38.00	965	34.00	864	24.00	610	-
38↔32	38.00	965	32.00	813	24.00	610	-
38↔30	38.00	965	30.00	762	24.00	610	-
38↔28	38.00	965	28.00	711	24.00	610	-
38↔26	38.00	965	26.00	660	24.00	610	-
40↔38	40.00	1016	38.00	965	24.00	610	-
40↔36	40.00	1016	36.00	914	24.00	610	-
40↔34	40.00	1016	34.00	864	24.00	610	-
40↔32	40.00	1016	32.00	813	24.00	610	-
40↔30	40.00	1016	30.00	762	24.00	610	-
42↔40	42.00	1067	40.00	1016	24.00	610	-
42↔38	42.00	1067	38.00	965	24.00	610	-
42↔36	42.00	1067	36.00	914	24.00	610	-
42↔34	42.00	1067	34.00	864	24.00	610	-
42↔32	42.00	1067	32.00	813	24.00	610	-
42↔30	42.00	1067	30.00	762	24.00	610	-
44↔42	44.00	1118	42.00	1067	24.00	610	-
44↔40	44.00	1118	40.00	1016	24.00	610	-
44↔38	44.00	1118	38.00	965	24.00	610	-
44↔36	44.00	1118	36.00	914	24.00	610	-
46↔44	46.00	1168	44.00	1118	28.00	711	-
46↔42	46.00	1168	42.00	1067	28.00	711	-
46↔40	46.00	1168	40.00	1016	28.00	711	-
46↔38	46.00	1168	38.00	965	28.00	711	-
48↔46	48.00	1219	46.00	1168	28.00	711	-
48↔44	48.00	1219	44.00	1118	28.00	711	-
48↔42	48.00	1219	42.00	1067	28.00	711	-
48↔40	48.00	1219	40.00	1016	28.00	711	-

Notes

- Dimensions quoted in mm are 'Nominal' values from B16.9 (i.e. rounded equivalents of the inch dimensions). Refer to B16.9 for additional 'Max' and 'Min' metric dimensions.
- For tolerances see page 6-2.
- Other sizes listed in B16.9 are 5↔2, 6↔2¹/₂, 10↔4, 12↔5, 14↔6, 16↔8, 18↔10, 20↔12, 22↔14 and 24↔16.
- 1 Weights are approximate and based on manufacturers' data (where available) for Schedule 40S/Standard fittings. See page 6-6 for further information.