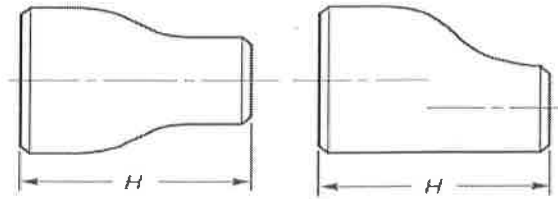


Reducers

ASME/ASTM SA/A403-WP304/304L, WP316/316L

ASME B16.9

Concentric & Eccentric Reducer



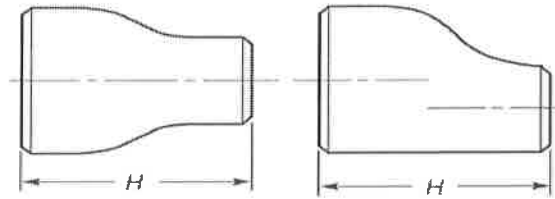
Size	Outside Diameter at Bevel (mm)		Length(mm)	Approximate Weight(kg)				
	OD1	OD2		10S	STD	40S/40	XS	80S/80
3/4"x 1/2"	26.7	21.3	38	0.04	0.06	0.06	0.18	0.18
1"x 3/4"	33.4	26.7	51	0.10	0.12	0.12	0.22	0.22
1"x 1/2"	33.4	21.3	51	0.09	0.11	0.11	0.22	0.22
1 1/4" x 1"	42.2	33.4	51	0.12	0.16	0.16	0.31	0.31
1 1/4" x 3/4"	42.2	26.7	51	0.11	0.14	0.14	0.30	0.30
1 1/4" x 1/2"	42.2	21.3	51	0.10	0.13	0.13	0.29	0.29
1 1/2" x 1 1/4"	48.3	42.2	64	0.18	0.24	0.24	0.44	0.44
1 1/2" x 1"	48.3	33.4	64	0.17	0.22	0.22	0.39	0.39
1 1/2" x 3/4"	48.3	26.7	64	0.15	0.20	0.20	0.35	0.35
1 1/2" x 1/2"	48.3	21.3	64	0.14	0.18	0.18	0.32	0.32
2" x 1 1/2"	60.3	48.3	76	0.27	0.37	0.37	0.58	0.58
2" x 1 1/4"	60.3	42.2	76	0.25	0.35	0.35	0.54	0.54
2" x 1"	60.3	33.4	76	0.23	0.32	0.32	0.50	0.50
2" x 3/4"	60.3	26.7	76	0.22	0.30	0.30	0.46	0.46
2 1/2" x 2"	73.0	60.3	89	0.43	0.72	0.72	0.92	0.92
2 1/2" x 1 1/2"	73.0	48.3	89	0.39	0.66	0.66	0.86	0.86
2 1/2" x 1 1/4"	73.0	42.2	89	0.37	0.63	0.63	0.78	0.78
2 1/2" x 1"	73.0	33.4	89	0.34	0.59	0.59	0.78	0.78
3" x 2 1/2"	88.9	73.0	89	0.52	0.93	0.93	1.26	1.26
3" x 2"	88.9	60.3	89	0.48	0.85	0.85	1.14	1.14
3" x 1-1/2"	88.9	48.3	89	0.45	0.78	0.78	1.07	1.07
3" x 1-1/4"	88.9	42.2	89	0.43	0.75	0.75	1.01	1.01
4" x 3"	114.3	88.9	102	0.76	1.45	1.45	2.19	2.19
4" x 2 1/2"	114.3	73.0	102	0.71	1.37	1.37	2.10	2.10
4" x 2"	114.3	60.3	102	0.67	1.27	1.27	1.93	1.93
4" x 1 1/2"	114.3	48.3	102	0.63	1.18	1.18	1.86	1.86
5" x 4"	141.3	114.3	127	1.33	2.50	2.50	3.94	3.94
5" x 3 1/2"	141.3	101.6	127	1.28	2.35	2.35	3.82	3.82
5" x 3"	141.3	88.9	127	1.22	2.27	2.27	3.63	3.63
5" x 2 1/2"	141.3	73.0	127	1.14	2.16	2.16	3.52	3.52
5" x 2"	141.3	60.3	127	1.05	1.92	1.92	3.41	3.41
6" x 5"	168.3	141.3	140	1.78	3.57	3.57	5.94	5.94
6" x 4"	168.3	114.3	140	1.65	3.30	3.30	5.78	5.78
6" x 3 1/2"	168.3	101.6	140	1.53	3.16	3.16	5.61	5.61
6" x 3"	168.3	88.9	140	1.46	3.04	3.04	5.59	5.59
6" x 2 1/2"	168.3	73.0	140	1.30	2.85	2.85	5.42	5.42
8" x 6"	219.1	168.3	152	2.72	5.71	5.71	9.33	9.33
8" x 5"	219.1	141.3	152	2.57	5.40	5.40	8.45	8.45
8" x 4"	219.1	114.3	152	2.43	5.10	5.10	7.73	7.73
8" x 3 1/2"	219.1	101.6	152	2.32	4.78	4.78	7.50	7.50
10" x 8"	273.1	219.1	178	4.49	9.78	9.78	12.90	13.70
10" x 6"	273.1	168.3	178	4.14	9.58	9.58	11.80	13.40
10" x 5"	273.1	141.3	178	3.98	8.42	8.42	11.30	13.10
10" x 4"	273.1	114.3	178	3.65	8.05	8.05	10.71	12.71
12" x 10"	323.9	273.1	203	6.78	13.60	15.64	18.00	20.50

Reducers

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Concentric & Eccentric Reducer



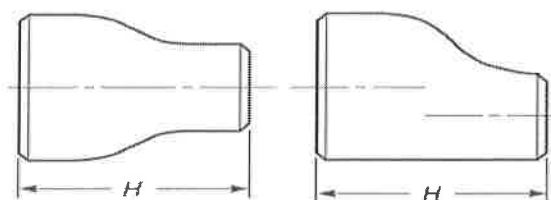
Size	Outside Diameter at Bevel (mm)		Length(mm)	Approximate Weight(kg)				
	OD1	OD2		10S	STD	40S/40	XS	80S/80
12" x 8"	323.9	219.1	203	6.31	12.70	14.61	16.70	19.30
12" x 6"	323.9	168.3	203	5.92	11.80	13.57	15.60	18.80
12" x 5"	323.9	141.3	203	5.50	10.55	12.13	15.00	18.24
14" X 12"	355.6	323.9	330	13.00	27.20	31.28	36.20	41.63
14" X 10"	355.6	273.1	330	12.10	26.90	30.94	35.80	41.17
14" X 8"	355.6	219.1	330	11.20	26.60	30.59	35.40	40.71
14" X 6"	355.6	168.3	330	10.05	26.30	30.25	35.00	40.25
16" X 14"	406.4	355.6	356	15.80	32.20	37.03	42.80	49.22
16" X 12"	406.4	323.9	356	15.20	31.80	36.57	42.30	48.65
16" X 10"	406.4	273.1	356	14.40	31.60	36.34	42.00	48.30
16" X 8"	406.4	219.1	356	12.90	31.10	35.77	41.40	47.61
18" X 16"	457.2	406.4	381	19.20	38.60	59.00	53.00	96.70
18" X 14"	457.2	355.6	381	18.20	38.10	59.00	53.00	96.70
18" X 12"	457.2	323.9	381	17.60	37.87	59.00	53.00	96.70
18" X 10"	457.2	273.1	381	16.25	37.20	59.00	53.00	96.70
20"X 18"	508.0	457.2	508	33.10	56.80	93.00	79.00	158.00
20"X 16"	508.0	406.4	508	31.70	56.30	93.00	79.00	158.00
20"X 14"	508.0	355.6	508	29.90	55.40	93.00	79.00	158.00
20"X 12"	508.0	323.9	508	26.78	54.50	93.00	79.00	158.00
22"X 20"	558.8	508.0	508	36.60	64.50	-	87.00	188.00
22"X 18"	558.8	457.2	508	35.00	62.70	-	87.00	188.00
22"X 16"	558.8	406.4	508	33.40	59.50	-	87.00	188.00
22"X 14"	558.8	355.6	508	31.80	55.80	-	87.00	188.00
24"X 22"	609.6	558.8	508	46.00	70.00	129.00	95.00	228.00
24"X 20"	609.6	508.0	508	44.10	68.10	129.00	95.00	228.00
24"X 18"	609.6	457.2	508	42.40	67.20	129.00	95.00	228.00
24"X 16"	609.6	406.4	508	40.10	65.80	129.00	95.00	228.00
26"X 24"	660.4	609.6	610	-	94.00	-	125.00	-
26"X 22"	660.4	558.8	610	-	91.18	-	121.25	-
26"X 20"	660.4	508.0	610	-	86.30	-	115.00	-
26"X 18"	660.4	457.2	610	-	82.60	-	110.00	-
28"X 26"	711.2	660.4	610	-	102.00	-	136.00	-
28"X 24"	711.2	609.6	610	-	98.10	-	130.00	-
28"X 20"	711.2	508.0	610	-	90.30	-	120.00	-
28"X 18"	711.2	457.2	610	-	86.00	-	114.00	-
30"X 28"	762.0	711.2	610	-	109.00	-	145.00	-
30"X 26"	762.0	660.4	610	-	105.00	-	140.00	-
30"X 24"	762.0	609.6	610	-	102.00	-	136.00	-
32"X 30"	812.8	762.0	610	-	117.00	-	156.00	-
32"X 28"	812.8	711.2	610	-	113.00	-	150.00	-
32"X 26"	812.8	660.4	610	-	109.00	-	145.00	-
32"X 24"	812.8	609.6	610	-	107.00	-	142.00	-
34"X 32"	863.6	812.8	610	-	124.00	-	165.00	-

Reducers

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Size	Outside Diameter at Bevel (mm)		Length(mm)	Approximate Weight(kg)				
	OD1	OD2		10S	STD	40S/40	XS	80S/80
34"X 30"	863.6	762.0	610	-	121.00	-	161.00	-
34"X 26"	863.6	660.4	610	-	113.00	-	150.00	-
34"X 24"	863.6	609.6	610	-	109.61	-	145.50	-
36"X 34"	914.4	863.6	610	-	132.00	-	176.00	-
36"X 32"	914.4	812.8	610	-	128.00	-	170.00	-
36"X 30"	914.4	762.0	610	-	124.00	-	165.00	-
36"X 26"	914.4	660.4	610	-	120.28	-	160.05	-
36"X 24"	914.4	609.6	610	-	116.67	-	155.25	-
38"X 36"	965.2	914.4	610	-	140.00	-	186.00	-
38"X 34"	965.2	863.6	610	-	135.00	-	180.00	-
38"X 32"	965.2	812.8	610	-	132.00	-	176.00	-
38"X 30"	965.2	762.0	610	-	129.00	-	172.00	-
38"X 28"	965.2	711.2	610	-	127.00	-	169.00	-
38"X 26"	965.2	660.4	610	-	124.00	-	165.00	-
40"X 38"	1016.0	965.2	610	-	147.00	-	196.00	-
40"X 36"	1016.0	914.4	610	-	144.00	-	192.00	-
40"X 34"	1016.0	863.6	610	-	140.00	-	186.00	-
40"X 32"	1016.0	812.8	610	-	137.00	-	182.00	-
40"X 30"	1016.0	762.0	610	-	133.00	-	177.00	-
42"X 40"	1066.8	1016.0	610	-	158.00	-	210.00	-
42"X 38"	1066.8	965.2	610	-	154.00	-	205.00	-
42"X 36"	1066.8	914.4	610	-	151.00	-	201.00	-
42"X 34"	1066.8	863.6	610	-	147.00	-	196.00	-
42"X 32"	1066.8	812.8	610	-	145.00	-	193.00	-
42"X 30"	1066.8	762.0	610	-	142.00	-	189.00	-
44"X 42"	1117.8	1066.8	610	-	163.00	-	217.00	-
44"X 40"	1117.8	1016.0	610	-	158.00	-	210.00	-
44"X 38"	1117.8	965.2	610	-	154.00	-	205.00	-
44"X 36"	1117.8	914.4	610	-	152.00	-	202.00	-
46"X 44"	1168.4	1117.8	711	-	148.00	-	263.00	-
46"X 42"	1168.4	1066.8	711	-	194.00	-	258.00	-
46"X 40"	1168.4	1016.0	711	-	189.00	-	251.00	-
46"X 38"	1168.4	965.2	711	-	185.00	-	246.00	-
48"X 44"	1219.2	1117.8	711	-	203.00	-	270.00	-
48"X 42"	1219.2	1066.8	711	-	198.00	-	263.00	-
48"X 40"	1219.2	1016.0	711	-	194.00	-	258.00	-

General Notes:

1) All dimensions are in mm

2) Dimension tolerance are as per ASME B16.9