

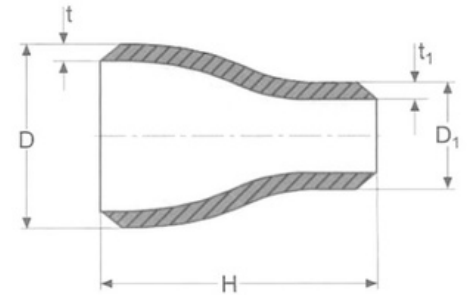
ANSI CONCENTRIC REDUCERS

Special Metric Materials stocks ANSI concentric reducers. An ANSI concentric reducer is used to attach pipes or tubes that are on the same axis, usually as a passage between dissimilar dimensional pressurised pipes.

Special Metric Materials stocks ANSI concentric reducers in accordance with ASTM A403 / A815 and ASME B16.9.

Nominal size ANSI concentric reducers are available from ¾ x ½" to 24 x 20", Sch.10s and Sch.40s. Larger and custom sizes can be manufactured to order.

Special Metric Materials has ANSI concentric reducers readily available in stainless steel 304 and 316. Both welded and seamless fittings are available.



Nominal Pipe Size	Schedule	Dimensions in mm					Weight kg/pce
		D	D1	t-	t1	H	
¾ x ½"	10s	26.7	21.3	2.11	2.11	39.3	0.1
	40s	26.7	21.3	2.87	2.77	39.3	0.14
	80s	26.7	21.3	3.91	3.73	39.3	0.18
1 x ½"	10s	33.4	21.3	2.77	2.11	50.8	0.12
	40s	33.4	21.3	3.38	2.77	50.8	0.15
	80s	33.4	21.3	4.55	3.73	50.8	0.2
1 x ¾"	10s	33.4	26.7	2.77	2.11	50.8	0.13
	40s	33.4	26.7	3.38	2.87	50.8	0.22
	80s	33.4	26.7	4.55	3.91	50.8	
1¼ x ½"	10s	42.2	21.3	2.77	2.11	50.8	0.103
	40s	42.2	21.3	3.56	2.77	50.8	0.132
1¼ x ¾"	10s	42.2	26.7	2.77	2.11	50.8	0.18
	40s	42.2	26.7	3.56	2.87	50.8	0.22
	80s	42.2	26.7	4.85	3.91	50.8	0.25
1¼ x 1"	10s	42.2	33.4	2.77	2.77	50.8	0.18
	40s	42.2	33.4	3.56	3.38	50.8	0.22
	80s	42.2	33.4	4.85	4.55	50.8	0.27
1½ x ½"	10s	48.3	21.3	2.77	2.11	63.5	0.2
	40s	48.3	21.3	3.68	2.77	63.5	0.25
	80s	48.3	21.3	5.08	3.91	63.5	0.37
1½ x ¾"	10s	48.3	26.7	2.77	2.11	63.5	0.2
	40s	48.3	26.7	3.68	2.87	63.5	0.26
	80s	48.3	26.7	5.08	3.91	63.5	0.37
1½ x 1"	10s	48.3	33.4	2.77	2.77	63.5	0.2
	40s	48.3	33.4	3.68	3.38	63.5	0.26
	80s	48.3	33.4	5.08	4.55	63.5	0.34
1½ x 1¼"	10s	48.3	42.2	2.77	2.77	63.5	0.21
	40s	48.3	42.2	3.68	3.56	63.5	0.28
	80s	48.3	42.2	5.08	4.85	63.5	0.36

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Nominal Pipe Size	Schedule	Dimensions in mm					Weight kg/pce
		D	D1	t-	t1	H	
2 x 1/2"	80s	60.3	21.3	5.54	3.73	76.2	0.38
2 x 3/4"	10s	60.3	26.7	2.77	2.11	76.2	0.25
	40s	60.3	26.7	3.91	2.87	76.2	0.37
2 x 1"	10s	60.3	33.4	2.77	2.77	76.2	0.28
	40s	60.3	33.4	3.91	3.38	76.2	0.4
	80s	60.3	33.4	5.54	4.55	76.2	0.54
2 x 1 1/4"	10s	60.3	42.2	2.77	2.77	76.2	0.3
	40s	60.3	42.2	3.91	3.56	76.2	0.44
2 x 1 1/2"	10s	60.3	48.3	2.77	2.77	76.2	0.31
	40s	60.3	48.3	3.91	3.68	76.2	0.45
	80s	60.3	48.3	5.54	5.08	76.2	0.59
2 1/2 x 1"	10s	73.0	33.4	3.05	2.77	88.9	0.43
2 1/2 x 1 1/2"	10s	73.0	48.3	3.05	2.77	88.9	0.440
	40s	73.0	48.3	5.16	3.68	88.9	0.769
2 1/2 x 2"	10s	73.0	60.3	3.05	2.77	88.9	0.470
	40s	73.0	60.3	5.16	3.91	88.9	0.800
3 x 1"	10s	88.9	33.4	3.05	2.77	88.9	0.490
	40s	88.9	33.4	5.49	3.38	88.9	0.850
3 x 1 1/4"	40s	88.9	42.2	5.49	3.56	88.9	0.750
3 x 1 1/2"	10s	88.9	48.3	3.05	2.77	88.9	0.510
	40s	88.9	48.3	5.49	3.68	88.9	0.940
3 x 2"	10s	88.9	60.3	3.05	2.77	88.9	0.550
	40s	88.9	60.3	5.49	3.91	88.9	1.000
3 x 2 1/2"	10s	88.9	73.0	3.05	3.05	88.9	0.590
	40s	88.9	73.0	5.49	5.16	88.9	1.080
4 x 1 1/2"	10s	114.3	48.3	3.05	2.77	101.6	0.710
	40s	114.3	48.3	6.02	3.68	101.6	1.180
4 x 2"	10s	114.3	60.3	3.05	2.77	101.6	0.780
	40s	114.3	60.3	6.02	3.91	101.6	1.570
4 x 2 1/2"	10s	114.3	73.0	3.05	3.05	101.6	0.830
	40s	114.3	73.0	6.02	5.16	101.6	1.660
4 x 3"	10s	114.3	88.9	3.05	3.05	101.6	0.870
	40s	114.3	88.9	6.02	5.49	101.6	1.740
5 x 2 1/2"	10s	141.3	73.0	3.40	3.05	127.0	1.400
5 x 3"	10s	141.3	88.9	3.40	3.05	127.0	1.450
	40s	141.3	88.9	6.55	5.49	127.0	2.850
5 x 4"	10s	141.3	114.3	3.40	3.05	127.0	1.490
	40s	141.3	114.3	6.55	6.02	127.0	2.980



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Special Metric Materials Ltd is a company registered in England and Wales.
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Nominal Pipe Size	Schedule	Dimensions in mm					Weight kg/pce
		D	D1	t-	t1	H	
6 x 3"	10s	168.3	88.9	3.40	3.05	139.7	1.820
	40s	168.3	88.9	7.11	5.49	139.7	3.980
6 x 4"	10s	168.3	114.3	3.40	3.05	139.7	1.950
	40s	168.3	114.3	7.11	6.02	139.7	4.080
6 x 5"	10s	168.3	141.4	3.40	3.40	139.7	2.050
	40s	168.3	141.4	7.11	6.55	139.7	4.180
8 x 4"	10s	219.1	114.3	3.76	3.05	152.4	3.020
	40s	219.1	114.3	8.18	6.02	152.4	6.550
8x5"	10s	219.1	141.3	3.76	3.40	152.4	3.080
	40s	219.1	141.3	8.18	6.55	152.4	6.700
8x6"	10s	219.1	168.3	3.76	3.40	152.4	3.190
	40s	219.1	168.3	8.18	7.11	152.4	6.940
10 x 6"	10s	273.1	168.3	4.19	3.40	177.8	5.000
	40s	273.1	168.3	9.27	7.11	177.8	11.120
10 x 8"	10s	273.1	219.1	4.19	3.76	177.8	5.250
	40s	273.1	219.1	9.27	8.18	177.8	11.560
12 x 6"	10s	323.9	168.3	4.57	3.40	203.2	6.580
	40s	323.9	168.3	9.53	7.11	203.2	12.800
12 x 8"	10s	323.9	219.1	4.57	3.76	203.2	7.670
	40s	323.9	219.1	9.53	8.18	203.2	15.980
12 x 10"	10s	323.9	273.1	4.57	4.19	203.2	7.980
	40s	323.9	273.1	9.53	9.27	203.2	16.630
14 x 8"	10s	355.6	219.1	4.78	3.76	330.2	13.880
14 x 10"	10s	355.6	273.1	4.78	4.19	330.2	14.410
14 x 12"	10s	355.6	323.9	4.78	4.57	330.2	15.290
16x8"	10s	406.4	219.1	4.78	3.76	355.6	16.500
16x10"	10s	406.4	273.1	4.78	4.19	355.6	17.720
16x12"	10s	406.4	323.9	4.78	4.57	355.6	18.350
16x 14"	10s	406.4	355.6	4.78	4.78	355.6	18.900
18x14"	10s	457.2	355.6	4.78	4.78	381.0	21.900
18x16"	10s	457.2	406.4	4.78	4.78	381.0	19.200
20x16"	10s	508.0	406.4	5.54	4.78	508.0	38.410
20x18"	10s	508.0	457.2	5.54	4.78	508.0	33.100
24x 20"	10s	609.6	508.0	6.35	5.54	508.0	46.720



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