

**ASME** 管継手の厚さ / WALL THICKNESS

Nominal Pipe Size		Outside Diameter		Nominal Wall Thickness							
				Carbon & Alloy Steel							
				ASME B36.10M							
DN	NPS	(inch)	(mm)	STD	XS	XXS	Sch10	Sch20	Sch30	Sch40	Sch60
15	1/2	0.840	21.3	2.77	3.73	7.47	2.11	-	2.41	2.77	-
20	3/4	1.050	26.7	2.87	3.91	7.82	2.11	-	2.41	2.87	-
25	1	1.315	33.4	3.38	4.55	9.09	2.77	-	2.90	3.38	-
32	1-1/4	1.660	42.2	3.56	4.85	9.70	2.77	-	2.97	3.56	-
40	1-1/2	1.900	48.3	3.68	5.08	10.15	2.77	-	3.18	3.68	-
50	2	2.375	60.3	3.91	5.54	11.07	2.77	-	3.18	3.91	-
65	2-1/2	2.875	73.0	5.16	7.01	14.02	3.05	-	4.78	5.16	-
80	3	3.500	88.9	5.49	7.62	15.24	3.05	-	4.78	5.49	-
90	3-1/2	4.000	101.6	5.74	8.08	-	3.05	-	4.78	5.74	-
100	4	4.500	114.3	6.02	8.56	17.12	3.05	-	4.78	6.02	-
125	5	5.563	141.3	6.55	9.53	19.05	3.40	-	-	6.55	-
150	6	6.625	168.3	7.11	10.97	21.95	3.40	-	-	7.11	-
200	8	8.625	219.1	8.18	12.70	22.23	3.76	6.35	7.04	8.18	10.31
250	10	10.750	273.0	9.27	12.70	25.40	4.19	6.35	7.80	9.27	12.70
300	12	12.750	323.8	9.53	12.70	25.40	4.57	6.35	8.38	10.31	14.27
350	14	14.000	355.6	9.53	12.70	-	6.35	7.92	9.53	11.13	15.09
400	16	16.000	406.4	9.53	12.70	-	6.35	7.92	9.53	12.70	16.66
450	18	18.000	457	9.53	12.70	-	6.35	7.92	11.13	14.27	19.05
500	20	20.000	508	9.53	12.70	-	6.35	9.53	12.70	15.09	20.62
550	22	22.000	559	9.53	12.70	-	6.35	9.53	12.70	-	22.23
600	24	24.000	610	9.53	12.70	-	6.35	9.53	14.27	17.48	24.61
650	26	26.000	660	9.53	12.70	-	7.92	12.70	-	-	-
700	28	28.000	711	9.53	12.70	-	7.92	12.70	15.88	-	-
750	30	30.000	762	9.53	12.70	-	7.92	12.70	15.88	-	-
800	32	32.000	813	9.53	12.70	-	7.92	12.70	15.88	17.48	-
850	34	34.000	864	9.53	12.70	-	7.92	12.70	15.88	17.48	-
900	36	36.000	914	9.53	12.70	-	7.92	12.70	15.88	19.05	-
950	38	38.000	965	9.53	12.70	-	-	-	-	-	-
1000	40	40.000	1016	9.53	12.70	-	-	-	-	-	-
1050	42	42.000	1067	9.53	12.70	-	-	-	-	-	-
1100	44	44.000	1118	9.53	12.70	-	-	-	-	-	-
1150	46	46.000	1168	9.53	12.70	-	-	-	-	-	-
1200	48	48.000	1219	9.53	12.70	-	-	-	-	-	-



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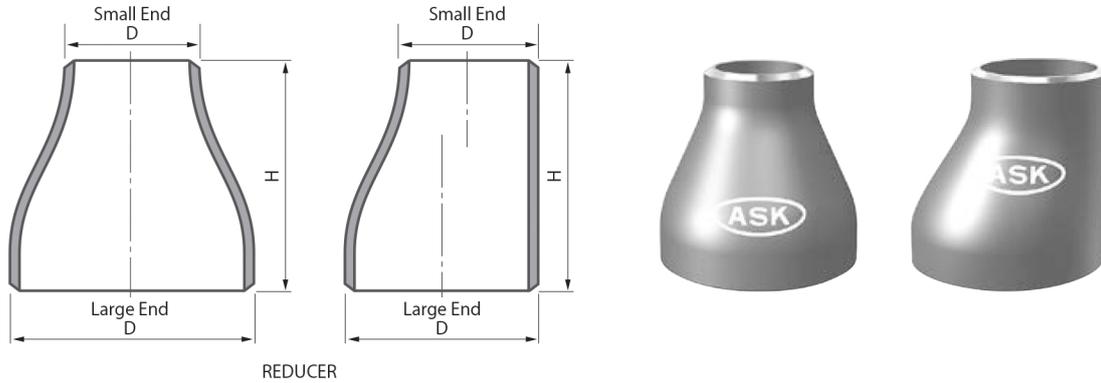
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Unit : mm

									Outside Diameter		Nominal Pipe Size	
					Stainless Steel							
					ASME B36.19M							
Sch80	Sch100	Sch120	Sch140	Sch160	Sch5S	Sch10S	Sch40S	Sch80S	(inch)	(mm)	DN	NPS
3.73	-	-	-	4.78	1.65	2.11	2.77	3.73	0.840	21.3	15	1/2
3.91	-	-	-	5.56	1.65	2.11	2.87	3.91	1.050	26.7	20	3/4
4.55	-	-	-	6.35	1.65	2.77	3.38	4.55	1.315	33.4	25	1
4.85	-	-	-	6.35	1.65	2.77	3.56	4.85	1.660	42.2	32	1-1/4
5.08	-	-	-	7.14	1.65	2.77	3.68	5.08	1.900	48.3	40	1-1/2
5.54	-	-	-	8.74	1.65	2.77	3.91	5.54	2.375	60.3	50	2
7.01	-	-	-	9.53	2.11	3.05	5.16	7.01	2.875	73.0	65	2-1/2
7.62	-	-	-	11.13	2.11	3.05	5.49	7.62	3.500	88.9	80	3
8.08	-	-	-	-	2.11	3.05	5.74	8.08	4.000	101.6	90	3-1/2
8.56	-	11.13	-	13.49	2.11	3.05	6.02	8.56	4.500	114.3	100	4
9.53	-	12.70	-	15.88	2.77	3.40	6.55	9.53	5.563	141.3	125	5
10.97	-	14.27	-	18.26	2.77	3.40	7.11	10.97	6.625	168.3	150	6
12.70	15.09	18.26	20.62	23.01	2.77	3.76	8.18	12.70	8.625	219.1	200	8
15.09	18.26	21.44	25.40	28.58	3.40	4.19	9.27	12.70	10.750	273.0	250	10
17.48	21.44	25.40	28.58	33.32	3.96	4.57	9.53	12.70	12.750	323.8	300	12
19.05	23.83	27.79	31.75	35.71	3.96	4.78	9.53	12.70	14.000	355.6	350	14
21.44	26.19	30.96	36.53	40.49	4.19	4.78	9.53	12.70	16.000	406.4	400	16
23.83	29.36	34.93	39.67	45.24	4.19	4.78	9.53	12.70	18.000	457	450	18
26.19	32.54	38.10	44.45	50.01	4.78	5.54	9.53	12.70	20.000	508	500	20
28.58	34.93	41.28	47.63	53.98	4.78	5.54	-	-	22.000	559	550	22
30.96	38.89	46.02	52.37	59.54	5.54	6.35	9.53	12.70	24.000	610	600	24
-	-	-	-	-	-	-	-	-	26.000	660	650	26
-	-	-	-	-	-	-	-	-	28.000	711	700	28
-	-	-	-	-	6.35	7.92	-	-	30.000	762	750	30
-	-	-	-	-	-	-	-	-	32.000	813	800	32
-	-	-	-	-	-	-	-	-	34.000	864	850	34
-	-	-	-	-	-	-	-	-	36.000	914	900	36
-	-	-	-	-	-	-	-	-	38.000	965	950	38
-	-	-	-	-	-	-	-	-	40.000	1016	1000	40
-	-	-	-	-	-	-	-	-	42.000	1067	1050	42
-	-	-	-	-	-	-	-	-	44.000	1118	1100	44
-	-	-	-	-	-	-	-	-	46.000	1168	1150	46
-	-	-	-	-	-	-	-	-	48.000	1219	1200	48

**ASME** レジューサの形状・寸法・重量 / DIMENSIONS OF REDUCER



ASME B 16.9

Nominal Pipe Size (NPS)	Dimensions (Unit:mm)			Carbon & Alloy Steel Weight (Unit:kg)											Stainless Steel Weight (Unit:kg)			
	Outside Diameter		End - to - End	STD	XS	XXS	S40	S80	S120	S160	S10	S20	S30	S100	S10S	S40S	S80S	S160
	Large End	Small End																
D	D	H																
3/4 x 1/2	26.7	21.3	38	0.059	0.075	-	0.059	0.075	-	0.150	-	-	-	-	0.070	0.090	0.100	0.110
1 x 3/4	33.4	26.7	51	0.116	0.147	0.246	0.116	0.147	-	0.200	-	-	-	-	0.100	0.120	0.148	0.200
x 1/2		21.3		0.105	0.133	0.215	0.105	0.133	-	0.190	-	-	-	-	0.100	0.120	0.134	0.180
1-1/4 x 1	42.2	33.4	51	0.157	0.195	0.350	0.195	0.206	-	0.257	-	-	-	-	0.130	0.160	0.208	0.260
x 3/4		26.7		0.155	0.187	0.310	0.187	0.200	-	0.232	-	-	-	-	0.130	0.160	0.189	0.235
x 1/2		21.3		0.150	0.171	0.279	0.171	0.190	-	0.211	-	-	-	-	0.130	0.160	0.173	0.215
1-1/2 x 1-1/4	48.3	42.2	64	0.275	0.324	0.567	0.275	0.324	-	0.429	-	-	-	-	0.190	0.250	0.327	0.433
x 1		33.4		0.260	0.300	0.500	0.260	0.300	-	0.382	-	-	-	-	0.190	0.250	0.294	0.385
x 3/4		26.7		0.250	0.290	0.449	0.250	0.290	-	0.379	-	-	-	-	0.190	0.250	0.270	0.383
x 1/2		21.3		0.250	0.290	0.407	0.250	0.290	-	0.319	-	-	-	-	0.190	0.250	0.250	0.322
2 x 1-1/2	60.3	48.3	76	0.400	0.590	0.909	0.400	0.590	-	0.780	-	-	-	-	0.280	0.380	0.513	0.760
x 1-1/4		42.2		0.400	0.500	0.851	0.400	0.500	-	0.740	-	-	-	-	0.280	0.380	0.484	0.710
x 1		33.4		0.390	0.480	0.765	0.390	0.480	-	0.700	-	-	-	-	0.280	0.380	0.442	0.650
x 3/4		26.7		0.390	0.480	0.699	0.390	0.480	-	0.650	-	-	-	-	0.280	0.380	0.410	0.590
x 1/2		-		0.380	0.470	0.500	0.380	0.470	-	0.600	-	-	-	-	0.280	0.380	0.400	0.560
2-1/2 x 2	73.0	60.3	89	0.724	0.946	1.680	0.724	0.946	-	1.230	-	-	-	-	0.440	0.730	0.956	1.240
x 1-1/2		48.3		0.661	0.900	1.510	0.661	0.900	-	1.120	-	-	-	-	0.440	0.670	0.870	1.130
x 1-1/4		42.2		0.630	0.860	1.420	0.630	0.860	-	1.060	-	-	-	-	0.440	0.640	0.828	1.070
x 1		33.4		0.630	0.830	1.300	0.630	0.830	-	0.977	-	-	-	-	0.440	0.590	0.768	0.990
x 3/4		-		-	-	-	-	-	-	-	-	-	-	-	0.280	0.380	0.410	0.590
3 x 2-1/2	88.9	73.0	89	1.000	1.250	2.250	1.000	1.250	-	1.750	-	-	-	-	0.530	0.950	1.260	1.770
x 2		60.3		0.960	1.200	2.010	0.960	1.200	-	1.570	-	-	-	-	0.530	0.860	1.140	1.590
x 1-1/2		48.3		0.900	1.150	1.830	0.900	1.150	-	1.490	-	-	-	-	0.530	0.790	1.050	1.450
x 1-1/4		42.2		0.840	1.100	1.750	0.840	1.100	-	1.400	-	-	-	-	0.530	0.760	1.000	1.390
x 1		26.7		0.800	1.000	1.600	0.800	1.000	-	1.300	-	-	-	-	0.530	0.760	0.960	1.350
3-1/2 x 3	101.6	88.9	102	1.280	1.770	2.800	1.280	1.770	-	2.640	-	-	-	-	0.700	0.920	1.290	-
x 2-1/2		73.0		1.230	1.650	2.760	1.230	1.650	-	2.450	-	-	-	-	0.700	0.920	1.240	-
x 2		60.3		1.100	1.510	2.540	1.100	1.510	-	2.210	-	-	-	-	0.700	0.920	1.110	-
x 1-1/2		48.3		1.020	1.410	2.400	1.020	1.410	-	2.050	-	-	-	-	0.700	0.920	1.030	-
x 1-1/4		42.2		0.988	1.350	2.350	0.988	1.350	-	2.100	-	-	-	-	0.700	0.920	1.000	-
4 x 3-1/2	114.3	101.6	102	1.550	2.200	3.760	1.600	2.200	-	3.250	-	-	-	-	0.800	1.470	2.040	3.040
x 3		88.9		1.550	2.150	3.650	1.600	2.150	-	3.100	-	-	-	-	0.800	1.470	2.040	3.040
x 2-1/2		73.0		1.470	2.100	3.410	1.470	2.100	-	3.000	-	-	-	-	0.800	1.390	1.920	2.850
x 2		60.3		1.400	2.000	3.110	1.400	2.000	-	2.900	-	-	-	-	0.800	1.290	1.780	2.620
x 1-1/2		48.3		1.350	1.950	2.900	1.350	1.950	-	2.800	-	-	-	-	0.800	1.200	1.670	2.440
x 1-1/4		42.2		1.300	-	-	-	-	-	-	-	-	-	-	0.780	1.170	1.640	2.400
x 1		33.5		1.300	-	-	-	-	-	-	-	-	-	-	0.770	1.160	1.620	2.380



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ASME B 16.9

Nominal Pipe Size (NPS)	Dimensions (Unit:mm)			Carbon & Alloy Steel Weight (Unit:kg)												Stainless Steel Weight (Unit:kg)			
	Outside Diameter		End - to - End	STD	XS	XXS	S40	S80	S120	S160	S10	S20	S30	S100	S10S	S40S	S80S	S160	
	Large End	Small End																	
	D	D	H																
5 x 4	141.3	114.3	127	2.800	3.720	6.470	2.800	3.720	4.570	5.700	-	-	-	-	1.490	2.550	3.550	5.630	
x 3-1/2		101.6		2.800	3.720	6.200	2.800	3.720	-	5.700	-	-	-	-	1.490	2.550	3.550	5.630	
x 3		88.9		2.760	3.700	5.780	2.760	3.700	-	5.650	-	-	-	-	1.450	2.300	3.210	5.050	
x 2-1/2		73.0		2.600	3.350	5.460	2.600	3.350	-	5.200	-	-	-	-	1.400	2.190	3.050	4.780	
x 2		60.3		2.470	3.200	5.300	2.470	3.200	-	5.000	-	-	-	-	1.300	2.050	2.860	4.440	
6 x 5	168.3	141.3	140	5.000	5.780	9.890	3.800	5.780	6.830	8.450	-	-	-	-	2.020	3.650	5.430	8.530	
x 4		114.3		3.800	5.500	8.980	3.800	5.500	6.280	7.750	-	-	-	-	1.950	3.350	5.010	7.830	
x 3-1/2		101.6		3.750	5.300	8.400	3.750	5.300	-	7.410	-	-	-	-	1.950	3.350	5.010	7.830	
x 3		88.9		3.700	5.160	8.210	3.700	5.160	-	7.080	-	-	-	-	1.820	3.070	4.610	7.150	
x 2-1/2		73.0		3.480	5.000	7.830	3.480	5.000	-	6.750	-	-	-	-	1.750	2.950	4.400	6.820	
x 2		60.3		3.400	-	-	-	-	-	-	-	-	-	-	1.700	2.920	4.300	6.700	
8 x 6	219.1	168.3	152	6.650	9.250	15.40	6.650	9.250	12.80	14.70	-	6.650	-	-	3.190	5.800	8.750	-	
x 5		141.3		6.400	8.900	14.50	6.400	8.900	12.20	13.80	-	6.400	-	-	3.080	5.550	8.250	-	
x 4		114.3		6.000	8.500	13.60	6.000	8.500	11.60	12.90	-	6.000	-	-	3.010	5.170	7.800	-	
x 3-1/2		101.6		5.200	7.800	-	5.200	7.800	-	12.60	-	5.200	-	-	3.010	5.170	7.800	-	
x 3		88.9		5.200	7.800	-	-	-	-	-	-	-	-	-	2.900	5.000	7.400	-	
10 x 8	273.0	219.1	178	11.20	13.70	25.00	11.20	15.70	21.30	27.00	-	11.20	11.20	21.30	5.200	9.700	12.90	-	
x 6		168.3		10.90	13.50	22.70	10.90	14.60	19.30	24.50	-	10.90	-	19.30	5.000	8.900	12.30	-	
x 5		141.3		10.00	13.00	21.50	10.00	14.10	18.10	23.30	-	10.00	-	18.10	4.890	8.600	11.60	-	
x 4		114.3		9.800	12.70	20.50	9.800	13.80	17.30	22.10	-	9.800	-	17.30	4.800	8.300	11.40	-	
12 x 10	323.8	273.0	203	14.00	19.00	34.50	15.90	23.00	34.00	43.60	-	14.00	14.00	34.00	7.980	13.80	18.20	-	
x 8		219.1		13.80	17.80	32.20	15.80	21.00	31.70	40.30	-	13.80	13.80	31.70	7.620	12.90	16.80	-	
x 6		168.3		13.60	17.20	30.00	15.70	18.60	29.40	37.20	-	13.60	-	29.40	7.430	12.10	15.70	-	
x 5		141.3		13.00	16.00	28.70	15.20	18.00	28.30	35.70	-	13.00	-	28.30	7.250	11.80	15.00	-	
14 x 12	355.6	323.8	330	25.40	31.00	-	29.50	49.30	70.10	87.70	-	25.40	25.40	-	-	-	-	-	
x 10		273.0		23.60	29.40	-	28.40	45.70	64.70	80.90	-	23.60	23.60	-	-	-	-	-	
x 8		219.1		23.00	29.00	-	27.40	44.20	59.70	74.30	-	23.00	23.00	-	-	-	-	-	
x 6		168.3		21.00	27.60	-	25.40	40.00	54.80	67.90	-	21.00	-	-	-	-	-	-	
16 x 14	406.4	355.6	356	31.00	43.00	-	43.00	69.80	95.00	121.0	31.00	31.00	43.00	-	-	-	-	-	
x 12		323.8		29.60	42.50	-	42.50	66.50	90.40	115.0	-	29.60	42.50	-	-	-	-	-	
x 10		273.0		27.80	42.00	-	42.00	62.30	84.40	107.0	-	27.80	42.00	-	-	-	-	-	
x 8		219.1		24.80	38.00	-	38.00	55.40	78.60	99.50	-	24.80	38.00	-	-	-	-	-	
18 x 16	457	406.4	381	51.00	68.20	-	76.00	126.0	130.0	164.0	51.00	51.00	68.20	-	-	-	-	-	
x 14		355.6		49.00	65.50	-	73.00	121.0	123.0	155.0	49.00	49.00	65.50	-	-	-	-	-	
x 12		323.8		48.00	64.00	-	71.70	119.0	118.0	148.0	-	48.00	64.00	-	-	-	-	-	
x 10		273.0		43.00	57.50	-	64.30	106.0	111.0	139.0	-	43.00	57.50	-	-	-	-	-	
20 x 18	508	457.0	508	73.00	97.00	-	115.0	198.0	212.0	271.0	73.00	73.00	97.00	-	-	-	-	-	
x 16		406.4		70.00	93.00	-	110.0	190.0	201.0	256.0	70.00	70.00	93.00	-	-	-	-	-	
x 14		355.6		69.00	90.00	-	107.0	187.0	190.0	242.0	69.00	69.00	90.00	-	-	-	-	-	
x 12		323.8		58.00	78.00	-	91.00	157.0	182.0	231.0	-	58.00	78.00	-	-	-	-	-	
22 x 20	559	508.0	508	78.00	103.0	-	128.7	224.0	255.0	324.0	78.00	78.00	103.0	-	-	-	-	-	
x 18		457.0		65.50	86.50	-	107.9	195.5	243.0	308.0	65.50	65.50	86.50	-	-	-	-	-	
x 16		406.4		63.50	83.80	-	104.6	189.5	231.0	293.0	63.50	63.50	83.80	-	-	-	-	-	
x 14		355.4		62.00	81.80	-	102.0	185.0	219.0	278.0	62.00	62.00	81.80	-	-	-	-	-	
24 x 22	610	559.0	508	83.00	110.0	-	150.0	263.0	310.0	391.0	83.00	83.00	150.0	-	-	-	-	-	
x 20		508.0		82.00	109.0	-	146.0	254.0	297.0	374.0	82.00	82.00	146.0	-	-	-	-	-	
x 18		457.0		79.00	104.0	-	140.0	244.0	284.0	357.0	79.00	79.00	140.0	-	-	-	-	-	
x 16		406.4		70.00	92.00	-	126.0	225.0	271.0	341.0	70.00	70.00	126.0	-	-	-	-	-	