

SEAMLESS & WELDED AUSTENITIC STAINLESS STEEL PIPE DIMENSIONS AND WEIGHTS ACCORDING TO ASME B 36.19 & B 36.10

DN	Nominal diameter in inches	Outside diameter in (OD) millimetres	ASME B36.19								ASME B36.10									
			Nominal thickness/ Wall Thickness and weight/mt.								Nominal thickness/ Wall Thickness and weight/mt.									
			5 S		10 S		Sched. 40 S		Sched. 80 S		10		20		30		Standard			
			WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.		
-	1/8"	10.29	-	-	1.24	0.281	1.73	0.371	2.41	0.476			-	-	-	-	1.73	0.371		
8	1/4"	13.72	-	-	1.65	0.499	2.24	0.644	3.02	0.809			-	-	-	-	1.85	-	2.24	0.644
10	3/8"	17.15	-	-	1.65	0.640	2.31	0.858	3.20	1.10			-	-	-	-	1.85	-	2.31	0.858
15	1/2"	21.34	1.65	0.814	2.11	1.016	2.77	1.26	3.73	1.62			-	-	-	-	2.41	-	2.77	1.26
20	3/4"	26.67	1.65	1.034	2.11	1.298	2.87	1.71	3.91	2.19			-	-	-	-	2.41	-	2.87	1.68
25	1"	33.40	1.65	1.312	2.77	2.125	3.38	2.54	4.55	3.23			-	-	-	-	2.41	-	2.87	1.68
32	1 1/4"	42.16	1.65	1.674	2.77	2.76	3.56	3.45	4.85	4.46			-	-	-	-	2.90	-	3.38	2.50
40	1 1/2"	48.26	1.65	1.926	2.77	3.155	3.68	4.11	5.08	5.40			-	-	-	-	2.97	-	3.56	3.38
50	2"	60.33	1.65	2.424	2.77	3.992	3.91	5.29	5.54	7.47			-	-	-	-	3.18	-	3.68	4.05
65	2 1/2"	73.03	2.11	3.747	3.05	5.345	5.16	8.80	7.01	11.40			-	-	-	-	3.18	-	3.91	5.43
80	3"	88.90	2.11	4.585	3.05	6.557	5.49	11.48	7.62	15.25	-	-	-	-	4.78	-	5.16	8.62		
90	3 1/2"	101.60	2.11	5.272	3.05	7.526	5.74	13.56	8.08	18.62	-	-	-	-	4.78	-	5.49	11.28		
100	4"	114.30	2.11	5.945	3.05	8.496	6.02	16.34	8.56	22.29	-	-	-	-	4.78	-	5.74	13.56		
125	5"	141.30	2.77	9.639	3.40	11.740	6.55	22.12	9.52	30.92	-	-	-	-	-	-	6.55	21.76		
150	6"	168.28	2.77	11.514	3.40	14.037	7.11	28.72	10.97	42.52	-	-	-	-	-	-	7.11	28.23		
200	8"	219.08	2.77	15.049	3.76	20.334	8.18	43.27	12.7	64.57	6.35	54.63	6.35	33.28	7.04	36.80	8.18	42.49		
250	10"	273.05	3.40	23.028	4.19	28.24	9.27	61.30	12.7	81.46			6.35	41.70	7.8	51.00	9.27	60.24		
300	12"	323.85	3.96	31.806	4.57	36.58	9.53	75.04	12.7	97.36			6.35	49.68	8.38	65.14	9.53	73.76		
350	14"	355.60	3.96	34.99	4.78	42.102	9.53	82.58	12.7	109.04			6.35	62.58	7.92	67.98	9.52	81.21	9.53	81.21
400	16"	406.40	4.19	42.35	4.78	48.07	9.53	94.70	12.7	125.20			6.35	70.50	7.92	77.90	9.52	93.13	9.53	93.13
450	18"	457.20	4.19	47.7	4.78	54.15	9.53	106.83	12.7	141.35			6.35	78.47	7.92	87.80	11.13	122.12	9.53	105.05
500	20"	508	4.78	60.32	5.54	69.766	9.53	118.93	12.7	157.51			6.35	86.42	9.52	116.97	12.7	155.00	9.53	116.97
550	22"	558.8	4.78	-	5.54	76.75	9.53	131.07	12.7	173.66			6.35	96.215	9.52	128.89	12.7	170.86	9.53	128.89
600	24"	609.6	5.54	84.10	6.35	96.215	9.53	143.20	12.7	181.82			7.92	127.58	9.52	140.80	14.27	209.54	9.53	140.81
650	26"	660.4	-	-	-	-	-	-	-	-			7.92	137.52	12.7	202.65	-	-	9.53	152.73
700	28"	711	-	-	-	-	-	-	-	-	7.92	147.45	12.7	218.54	15.88	271.94	9.53	164.65		
750	30"	762	6.35	120.59	7.92	147.45	9.53	-	12.7	-	7.92	157.39	12.7	234.44	15.88	291.81	9.53	176.57		
800	32"	812.8	-	-	-	-	-	-	-	-	7.92	167.32	12.7	250.33	15.88	311.67	9.53	188.50		
850	34"	863.6	-	-	-	-	-	-	-	-	7.92	177.26	12.7	266.22	15.88	331.54	9.53	200.42		
900	36"	914.4	-	-	-	-	-	-	-	-	12.7	282.12	15.88	351.41	9.53	212.34				

* for pipe sizes 36" and larger, please contact us for further assistance



SEAMLESS & WELDED AUSTENITIC STAINLESS STEEL PIPE
 DIMENSIONS AND WEIGHTS ACCORDING TO B 36.10 (continued)

Nominal diameter in DN	Outside diameter in inches	(OD) millimetres	ASME B36.10																	
			Nominal thickness/ Wall Thickness and weight/mt.																	
			40		60		Extra Strong		80		100		120		140		160		Double Extra Strong	
			WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.	WT mm	Kg./m.
-	1/8"	10.29	1.73	0.371	-	-	2.41	0.476	2.41	0.476	-	-	-	-	-	-	-	-	-	-
8	1/4"	13.72	2.24	0.644	-	-	3.02	0.809	3.02	0.809	-	-	-	-	-	-	-	-	-	-
10	3/8"	17.15	2.31	0.858	-	-	3.20	1.118	3.20	1.118	-	-	-	-	-	-	-	-	-	-
15	1/2"	21.34	2.77	1.26	-	-	3.73	1.62	3.73	1.62	-	-	-	-	-	-	4.78	1.95	7.47	2.54
20	3/4"	26.67	2.87	1.68	-	-	3.91	2.19	3.91	2.19	-	-	-	-	-	-	5.56	2.89	7.82	3.63
25	1"	33.40	3.38	2.50	-	-	4.55	3.23	4.55	3.23	-	-	-	-	-	-	6.35	4.23	9.09	5.45
32	1 1/4"	42.16	3.56	3.38	-	-	4.85	4.46	4.85	4.46	-	-	-	-	-	-	6.35	5.60	9.70	7.75
40	1 1/2"	48.26	3.68	4.05	-	-	5.08	5.40	5.08	5.40	-	-	-	-	-	-	7.14	7.23	10.16	9.54
50	2"	60.33	3.91	5.43	-	-	5.54	7.47	5.54	7.47	-	-	-	-	-	-	8.74	11.10	11.07	13.44
65	2 1/2"	73.03	5.16	8.62	-	-	7.01	11.40	7.01	11.40	-	-	-	-	-	-	9.52	14.90	14.02	20.39
80	3"	88.90	5.49	11.28	-	-	7.62	15.25	7.62	15.25	-	-	-	-	-	-	11.13	21.30	15.24	27.65
90	3 1/2"	101.60	5.74	13.56	-	-	8.08	18.62	8.08	18.62	-	-	-	-	-	-	-	-	-	-
100	4"	114.30	6.02	16.06	-	-	8.56	22.29	8.56	22.29	-	-	11.13	28.25	-	-	13.50	33.50	17.12	40.99
125	5"	141.30	6.55	21.76	-	-	9.52	30.92	9.52	30.92	-	-	12.70	40.20	-	-	15.88	49.00	19.05	57.37
150	6"	168.28	7.11	28.23	-	-	10.97	42.52	10.97	42.52	-	-	14.27	54.20	-	-	18.26	67.40	21.95	79.11
200	8"	219.08	8.18	42.49	10.30	53.00	12.7	64.57	12.70	64.57	15.10	75.70	18.26	90.20	20.62	100.80	23.00	111.20	22.22	107.78
250	10"	273.05	9.27	60.24	12.70	81.46	12.7	81.46	15.09	95.84	18.26	114.59	21.44	132.85	25.40	154.97	28.58	172.11	25.4	-
300	12"	323.85	10.31	79.71	14.27	108.97	12.7	97.36	17.48	131.81	21.44	159.67	25.40	186.70	28.58	207.87	33.32	238.60	25.4	-
350	14"	355.60	11.13	94.31	15.09	126.51	12.7	107.28	19.05	157.90	23.83	194.64	27.79	224.36	31.75	253.32	35.71	281.49	-	-
400	16"	406.40	12.70	123.18	16.66	160.04	12.7	123.18	21.44	203.26	26.19	245.34	30.96	286.33	36.53	332.72	40.49	364.94	-	-
450	18"	457.20	14.27	155.90	19.05	205.60	12.7	139.07	23.83	254.24	29.36	309.55	34.92	363.33	39.67	408.21	45.24	459.18	-	-
500	20"	508	15.09	183.14	20.62	247.79	12.7	154.97	26.19	310.91	32.54	381.20	38.10	441.06	44.45	507.63	50.01	564.24	-	-
550	22"	558.8	15.87	213.80	22.22	293.80	12.7	170.86	28.57	273.27	34.92	450.75	41.27	526.24	47.62	599.76	53.97	671.28	-	-
600	24"	609.6	17.48	254.74	24.61	354.82	12.7	186.75	30.96	441.30	38.89	546.84	46.02	639.18	52.37	719.18	59.54	800.74	-	-
650	26"	660.4	-	-	-	-	12.7	202.65	-	-	-	-	-	-	-	-	-	-	-	-
700	28"	711.6	-	-	-	-	12.7	218.54	-	-	-	-	-	-	-	-	-	-	-	-
750	30"	762	-	-	-	-	12.7	234.44	-	-	-	-	-	-	-	-	-	-	-	-
800	32"	812.8	17.48	242.17	-	-	12.7	250.33	-	-	-	-	-	-	-	-	-	-	-	-
850	34"	863.6	17.48	364.01	-	-	12.7	266.22	-	-	-	-	-	-	-	-	-	-	-	-
900	36"	914.4	19.05	420.21	-	-	12.7	282.12	-	-	-	-	-	-	-	-	-	-	-	-





Automated dual arc welding procedure
Filler metal welding process
In-house hydrostatic testing equipment
In-house pickling and passivating
In-house X-Ray facilities
Machine: Davi Pramau, automated welding equipment by Lincoln

At Euro Steel we have our own in-house large bore pipe manufacturing plant. We can produce Long Weld Pipe in full 6 metre lengths up to 1700mm diameter (i.e. no circumferential welds) manufactured in accordance with most International Standards & Specifications. As we are one of the largest stockists of plate, we are able to offer short lead times on pipe production.



12 inches - 80 inches in diameter
(325mm - 1700mm)
All schedules
Wall thickness 4.5mm up to 16mm
Diameter and wall thickness capabilities:
323mm 4.5mm up to 6mm thick
350mm 4.5mm up to 10mm
400mm 4.5mm up to 12mm
500mm 4.5mm up to 12.7mm
600mm - 1700mm 4.5mm up to 16mm
Larger than 1700mm rolled only



Euro Steel is a SASOL approved manufacturer and supplier of Large Bore Stainless Steel Pipe and Fittings. For more details on our pipe rolling, please contact us.

Stock availability and service varies from branch to branch. Information provided as a guide only and is subject to our normal disclaimer on our website

PIPING: ALLOWABLE WORKING PRESSURES

Schedule 5s Grade 304/304L; 316/316L

TEMPERATURE °C

NB	Inches		37	66	93	121	149	177	204	232	260	288	316	330	343	357	371	385	399	414
15	1/2"	Mpa	15.40	15.40	15.40	14.86	14.31	13.08	11.85	11.35	10.86	10.44	10.02	9.85	9.67	9.50	9.33	9.16	8.98	8.83
20	3/4"	Mpa	12.18	12.18	12.18	11.75	11.32	10.34	9.37	8.98	8.59	8.26	7.92	7.79	7.65	7.52	7.38	7.24	7.10	6.99
25	1"	Mpa	9.64	9.64	9.64	9.30	8.96	8.18	7.41	7.10	6.80	6.54	6.27	6.16	6.05	5.94	5.884	5.73	5.62	5.53
40	1 1/2"	Mpa	6.60	6.60	6.60	6.36	6.13	5.61	5.07	4.86	4.65	4.47	4.30	4.22	4.14	4.07	4.00	3.92	3.85	3.79
50	2"	Mpa	5.25	5.25	5.25	5.07	4.88	4.46	4.04	3.87	3.70	3.56	3.42	3.36	3.30	3.24	3.18	3.12	3.06	3.01
65	2 1/2"	Mpa	5.54	5.54	5.54	5.35	5.16	4.71	4.27	4.09	3.91	3.76	3.61	3.54	3.48	3.42	3.36	3.30	3.23	3.18
80	3"	Mpa	4.54	4.54	4.54	4.38	4.22	3.85	3.49	3.34	3.20	3.08	2.95	2.90	2.85	2.80	2.75	2.70	2.65	2.61
100	4"	Mpa	3.52	3.52	3.52	3.39	3.27	2.99	2.70	2.59	2.48	2.39	2.29	2.25	2.21	2.17	2.13	2.09	2.05	2.02
150	6"	Mpa	3.13	3.13	3.13	3.02	2.91	2.66	2.41	2.31	2.21	2.12	2.04	2.01	1.97	1.93	1.90	1.86	1.83	1.80
200	8"	Mpa	2.40	2.40	2.40	2.32	2.23	2.04	1.85	1.77	1.69	1.63	1.56	1.54	1.51	1.48	1.45	1.43	1.40	1.38
250	10"	Mpa	2.36	2.36	2.36	2.28	2.20	2.01	1.82	1.74	1.67	1.61	1.54	1.52	1.49	1.46	1.43	1.41	1.38	1.36
300	12"	Mpa	2.32	2.32	2.32	2.24	2.16	1.97	1.79	1.71	1.64	1.57	1.51	1.48	1.46	1.43	1.41	1.38	1.36	1.33

Schedule 10s Grade 304/304L; 316/316L

TEMPERATURE °C

NB	Inches		37	66	93	121	149	177	204	232	260	288	316	330	343	357	371	385	399	414
15	1/2"	Mpa	19.98	19.98	19.98	19.28	18.58	16.97	15.37	14.73	14.09	13.54	13.00	12.78	12.56	12.33	12.10	11.88	11.66	11.47
20	3/4"	Mpa	15.75	15.75	15.75	15.20	14.64	13.38	12.11	11.61	11.11	10.68	10.25	10.07	9.89	9.72	9.554	9.36	9.19	9.04
25	1"	Mpa	16.56	16.56	16.56	15.98	15.40	14.07	12.74	12.21	11.68	11.23	10.78	10.59	10.40	10.22	10.03	9.85	9.66	9.50
40	1 1/2"	Mpa	11.25	11.25	11.25	10.85	10.46	9.56	8.65	8.29	7.94	7.63	7.32	7.19	7.07	6.94	6.81	6.69	6.56	6.45
50	2"	Mpa	8.93	8.93	8.93	8.61	8.29	7.58	6.87	6.58	6.30	6.05	5.81	5.71	5.61	5.51	5.41	5.31	5.221	5.12
65	2 1/2"	Mpa	8.09	8.09	8.09	7.81	7.52	6.87	6.23	5.96	5.71	5.49	5.27	5.18	5.08	4.99	4.90	4.81	4.72	4.64
80	3"	Mpa	6.61	6.61	6.61	6.38	6.14	5.62	5.09	4.87	4.66	4.48	4.30	4.23	4.15	4.08	4.01	3.93	3.85	3.79
100	4"	Mpa	5.12	5.12	5.12	4.94	4.76	4.34	3.94	3.77	3.61	3.47	3.33	3.27	3.21	3.16	3.10	3.04	2.99	2.94
150	6"	Mpa	3.86	3.86	3.86	3.72	3.59	3.28	2.97	2.85	2.72	2.62	2.51	2.47	2.43	2.39	2.34	2.30	2.25	2.21
200	8"	Mpa	3.27	3.27	3.27	3.15	3.04	2.78	2.52	2.41	2.30	2.21	2.12	2.09	2.05	2.02	1.98	1.94	1.91	1.88
250	10"	Mpa	2.92	2.92	2.92	2.82	2.72	2.48	2.25	2.15	2.06	1.98	1.90	1.87	1.83	1.80	1.77	1.74	1.70	1.68
300	12"	Mpa	2.68	2.68	2.68	2.59	2.50	2.28	2.06	1.98	1.89	1.82	1.74	1.72	1.69	1.65	1.63	1.59	1.57	1.54



PIPING: ALLOWABLE WORKING PRESSURES (Cont.)

Schedule 40s Grade 304/304L; 316/316L

TEMPERATURE °C

NB	Inches		37	66	93	121	149	177	204	232	260	288	316	330	343	357	371	385	399	414
15	1/2"	Mpa	26.86	26.61	26.35	24.46	22.56	20.75	18.94	17.82	16.71	16.10	15.50	15.29	15.07	14.85	14.64	14.47	14.29	14.12
20	3/4"	Mpa	21.91	21.70	21.48	19.94	18.40	16.92	15.44	14.53	13.62	13.13	12.64	12.47	12.29	12.11	11.94	11.80	11.66	11.51
25	1"	Mpa	20.49	20.29	20.09	18.65	17.20	15.82	14.45	13.59	12.74	12.28	11.82	11.66	11.49	11.33	11.16	11.03	10.90	10.77
40	1 1/2"	Mpa	15.18	15.03	14.89	13.81	12.74	11.72	10.70	10.07	9.44	9.09	8.76	8.63	8.52	8.39	8.27	8.17	8.07	7.98
50	2"	Mpa	12.78	12.67	12.54	11.64	10.74	9.87	9.02	8.48	7.95	7.66	7.38	7.27	7.17	7.07	6.96	6.89	6.81	6.72
65	2 1/2"	Mpa	13.98	13.85	13.71	12.73	11.74	10.80	9.86	9.27	8.69	8.38	8.07	7.96	7.84	7.73	7.62	7.53	7.44	7.35
80	3"	Mpa	12.14	12.02	11.91	11.05	10.20	9.38	8.56	8.05	7.55	7.27	7.01	6.91	6.81	6.72	6.61	6.54	6.46	6.38
100	4"	Mpa	10.29	10.19	10.09	9.37	8.65	7.95	7.26	6.83	6.40	6.17	5.94	5.85	5.77	5.69	5.61	5.54	5.47	5.41
150	6"	Mpa	8.20	8.12	8.04	7.46	6.88	6.33	5.78	5.44	5.10	4.92	4.73	4.66	4.60	4.53	4.47	4.41	4.36	4.31
200	8"	Mpa	7.22	7.14	7.07	6.57	6.06	5.57	5.09	4.79	4.49	4.32	4.16	4.10	4.05	3.99	3.93	3.89	3.84	3.79
250	10"	Mpa	6.54	6.48	6.42	5.96	5.50	5.05	4.62	4.34	4.07	3.92	3.78	3.72	3.68	3.62	3.56	3.52	3.48	3.44
300	12"	Mpa	6.13	6.07	6.01	5.58	5.15	4.74	4.32	4.07	3.81	3.68	3.54	3.49	3.44	3.39	3.34	3.30	3.26	3.22

Schedule 80s Grade 304/304L; 316/316L

TEMPERATURE °C

NB	Inches		37	66	93	121	149	177	204	232	260	288	316	330	343	357	371	385	399	414
15	1/2"	Mpa	37.54	37.18	36.82	34.17	31.52	28.99	26.47	24.90	23.34	22.50	21.66	21.35	21.06	20.75	20.46	20.22	19.97	19.73
20	3/4"	Mpa	30.77	30.47	30.17	28.01	25.84	23.77	21.69	20.41	19.13	18.44	17.75	17.51	17.26	17.01	16.76	16.57	16.37	16.17
25	1"	Mpa	28.32	28.05	27.78	25.78	23.78	21.88	19.97	18.79	17.61	16.98	16.34	16.11	15.89	15.66	15.43	15.25	15.07	14.89
40	1 1/2"	Mpa	21.39	21.18	20.98	19.47	17.96	16.52	15.09	14.19	13.30	12.82	12.34	12.17	12.00	11.82	11.65	11.51	11.38	11.25
50	2"	Mpa	18.46	18.29	18.11	16.81	15.51	14.27	13.02	12.25	11.48	11.07	10.65	10.50	10.36	10.21	10.06	9.94	9.83	9.71
65	2 1/2"	Mpa	19.37	19.19	19.00	17.63	16.27	14.96	13.66	12.85	12.05	11.61	11.18	11.02	10.87	10.71	10.56	10.43	10.31	10.18
80	3"	Mpa	17.16	17.00	16.83	15.62	14.41	13.26	12.10	11.39	10.67	10.29	9.90	9.76	9.63	9.49	9.35	9.24	9.13	9.03
100	4"	Mpa	14.88	14.73	14.59	13.54	12.49	11.49	10.49	9.87	9.25	8.92	8.58	8.46	8.34	8.23	8.11	8.01	7.92	7.82
150	6"	Mpa	12.86	12.74	12.61	11.71	10.80	9.94	9.07	8.54	8.00	7.71	7.42	7.32	7.21	7.11	7.01	6.92	6.84	6.76
200	8"	Mpa	11.38	11.27	11.16	10.36	9.55	8.78	8.02	7.54	7.07	6.82	6.56	6.47	6.38	6.29	6.20	6.12	6.05	5.98
250	10"	Mpa	10.82	10.71	10.61	9.85	9.09	8.36	7.63	7.18	6.73	6.49	6.24	6.16	6.07	5.98	5.90	5.83	5.76	5.69
300	12"	Mpa	10.56	10.45	10.36	9.61	8.87	8.16	7.45	7.01	6.56	6.33	6.09	6.01	5.92	5.83	5.75	5.68	5.62	5.55