

# ASTM A312 LINEPIPE DIMENSIONS

Nominal Point Size		Outside diam.	5s	5	10	10s	20	30	40s Std	40	60	80s E.H.	80	100	120	140	160	DbI. E.H.
INCH	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1/8	6	10.3		0.89	1.24	1.24			1.73	1.73		2.41	2.41					
1/4	8	13.7		1.24	1.65	1.65			2.24	2.24		3.02	3.02					
3/8	10	17.1		1.24	1.65	1.65			2.31	2.31		3.20	3.20					
1/2	15	21.3	1.65	1.65	2.11	2.11			2.77	2.77		3.73	3.73				4.78	7.47
3/4	20	26.7	1.65	1.65	2.11	2.11			2.87	2.87		3.91	3.91				5.56	7.82
1	25	33.4	1.65	1.65	2.77	2.77			3.38	3.38		4.55	4.55				6.35	9.09
1 1/4	32	42.2	1.65	1.65	2.77	2.77			3.56	3.56		4.85	4.85				6.35	9.70
1 1/2	40	48.3	1.65	1.65	2.77	2.77			3.68	3.68		5.08	5.08				7.14	10.16
2	50	60.3	1.65	1.65	2.77	2.77			3.91	3.91		5.54	5.54				8.74	11.07
2 1/2	65	73.0	2.11	2.11	3.05	3.05			5.16	5.16		7.01	7.01				9.53	14.02
3	80	88.9	2.11	2.11	3.05	3.05			5.49	5.49		7.62	7.62				11.13	15.24
3 1/2	90	101.6	2.11	2.11	3.05	3.05			5.74	5.74		8.08	8.08				13.49	16.15
4	100	114.3	2.11	2.11	3.05	3.05			6.02	6.02	7.14	8.56	8.56		11.13		15.88	17.12
5	125	141.3	2.77	2.77	3.40	3.40			6.55	6.55		9.53	9.53		12.70		18.26	19.05
6	150	168.3	2.77	2.77	3.40	3.40			7.11	7.11		10.97	10.97		14.27		20.62	21.95
8	200	219.1	2.77	2.77	3.76	3.76	6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	20.62	23.01	22.23
10	250	273.1	3.40	3.40	4.19	4.19	6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
12	300	323.9	3.96	4.19	4.57	4.57	6.35	8.38	9.53	10.31	14.27	12.70	17.48	21.44	25.40	28.58	33.32	
14	350	355.6	3.96		6.35	4.78	7.92	9.53	9.53	11.13	15.09	12.70	19.05	23.83	27.79	31.75	35.71	
16	400	406.4	4.19		6.35	4.78	7.92	9.53	9.53	12.70	16.66	12.70	21.44	26.19	30.94	36.50	40.49	
18	450	457.2	4.19		6.35	4.78	7.92	11.13	9.53	14.27	19.05	12.70	23.83	29.36	34.93	39.67	45.24	
20	500	508.0	4.78		6.35	5.54	9.53	12.70	9.53	15.09	20.62	12.70	26.19	32.54	38.10	44.45	50.01	
24	600	609.6	5.54		6.35	6.35	9.53	14.27	9.53	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54	
26	650	660.4				7.92	12.70		9.53			12.70						
28	700	711.2				7.92	12.70	15.88	9.53			12.70						
30	750	762.0	0.25		7.92	7.92	12.70	15.88	9.53			12.70						
32	800	812.8			7.92	7.92	12.70	15.88	9.53	17.48		12.70						
34	850	863.6			7.92	7.92	12.70	15.88	9.53	17.48		12.70						
36	900	914.4			7.92	7.92	12.70	15.88	9.53	19.05		12.70						



# ASTM A312 LINEPIPE WEIGHTS

Nominal Point Size		Outside diam.	5s	5	10	10s	20	30	40s Std	40	60	80s E.H.	80	100	120	140	160	DbI. E.H.
INCH	mm	mm	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m	kg/m
1/8	6	10.3		0.21	0.28	0.28			0.36	0.36		0.47	0.47					
1/4	8	13.7		0.38	0.49	0.49			0.63	0.63		0.80	0.80					
3/8	10	17.1		0.49	0.63	0.63			0.84	0.84		1.09	1.09					
1/2	15	21.3	0.80	0.80	1.00	1.00			1.27	1.27		1.62	1.62				1.94	2.55
3/4	20	26.7	1.02	1.02	1.28	1.28			1.68	1.68		2.19	2.19				2.88	3.63
1	25	33.4	1.29	1.29	2.09	2.09			2.50	2.50		3.23	3.23				4.23	5.45
1 1/4	32	42.2	1.65	1.65	2.69	2.69			3.38	3.38		4.46	4.46				5.60	7.76
1 1/2	40	48.3	1.90	1.90	3.10	3.10			4.04	4.04		5.40	5.40				7.23	9.54
2	50	60.3	2.39	2.39	3.93	3.93			5.44	5.44		7.47	7.47				11.08	13.44
2 1/2	65	73.0	3.68	3.68	5.25	5.25			8.62	8.62		11.40	11.40				14.90	20.39
3	80	88.9	4.51	4.51	6.45	6.45			11.27	11.27		15.25	15.25				21.31	27.65
3 1/2	90	101.6	5.17	5.17	7.40	7.40			13.56	13.56		18.62	18.62				33.50	34.00
4	100	114.3	5.83	5.83	8.35	8.35			16.06	16.06	18.84	22.29	22.29		28.29		49.05	40.98
5	125	141.3	9.45	9.45	11.56	11.56			21.76	21.76		30.92	30.92		40.24		67.41	57.37
6	150	168.3	11.29	11.29	13.83	13.82			28.23	28.23		42.52	42.52		54.15		111.15	79.11
8	200	219.1	14.75	14.75	19.94	19.94	33.28	36.76	42.49	42.49	53.04	64.57	64.57	75.70	90.67	100.84	111.15	107.77
10	250	273.1	22.61	22.56	27.75	27.83	41.73	50.96	60.24	60.24	81.46	81.46	95.73	114.49	132.75	154.92	172.09	154.96
12	300	323.9	31.36	33.01	35.95	35.95	49.68	65.14	73.75	79.66	108.88	97.36	131.72	159.53	186.77	207.90	238.67	
14	350	355.6	34.33		54.63	41.27	67.98	81.21	81.21	94.31	126.36	107.28	157.90	194.51	224.27	253.29	281.43	
16	400	406.4	41.52		62.58	47.25	77.92	93.13	93.13	123.18	159.98	123.18	203.14	245.25	286.18	332.61	364.75	
18	450	457.2	46.77		70.52	53.22	87.85	122.12	105.05	155.96	205.67	139.07	254.18	309.54	363.26	408.06	459.10	
20	500	508.0	59.20		78.47	68.86	116.97	154.92	116.97	182.90	247.63	154.92	310.88	381.12	441.10	507.62	564.02	
24	600	609.6	82.40		94.37	94.37	140.81	209.54	140.81	254.78	354.34	186.77	441.10	546.76	639.02	718.94	806.44	
26	650	660.4				127.39	202.65		152.73			202.65						
28	700	711.2				137.30	218.54	271.93	164.65									
30	750	762.0	79.43		146.78	147.23	234.43	291.80	176.57			234.43						
32	800	812.8				157.14	250.33	311.67	188.49	342.40		250.33						
34	850	863.6				167.05	266.22	331.54	200.41	364.26								
36	900	914.4				176.97	351.40		212.33	420.19								

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## ỐNG A312

GOUDSMIT  
MAGNETICS GROUP

Itainox

SODIME

BARDIANI  
VALVOLLE



Outside Diameter (mm)	Wall-Thickness (mm)	Nominal Outside Diameter	Standard	Outside Diameter (mm)	Wall-Thickness (mm)	Nominal Outside Diameter	Standard	Outside Diameter (mm)	Wall-Thickness (mm)	Nominal Outside Diameter	Standard	Outside Diameter (mm)	Wall-Thickness (mm)	Nominal Outside Diameter	Standard	Outside Diameter (mm)	Wall-Thickness (mm)	Nominal Outside Diameter	Standard
6.00	1.00		Seamless Precision Tubing	21.30	1.60	DN15	ISO 1127 serie A	40.00	1.20		ISO 2037	73.03	5.16	2 1/2"/DN65 SCH 40S	ASTM A312	139.70	3.00	DN125	ISO 1127 serie C
6.35	0.89	1/4"	ASME BPE - SF 1	21.30	2.00	DN15	ISO 1127 serie B	40.00	1.60		ISO 2037	76.00	2.00	3"	SMS3008 Practise based size	139.70	2.60	DN125	DIN 11866 Range B
6.35	0.89	1/4"	ASME BPE - SF 4	21.30	2.60	DN15	ISO 1127 serie C	40.00	2.00		METRIC	76.10	1.60	3"	SMS3008	141.30	2.77	5"/DN125 SCH 5S	ASTM A312
8.00	1.00	DN6	DIN 11866 Range A	21.34	1.65	1/2"/DN15 SCH 5S	ASTM A312	41.00	1.50	DN40	DIN EN 10357 SERIES A	76.10	1.60		ISO 2037	141.30	3.40	5"/DN125 SCH 10S	ASTM A312
8.00	1.00		Seamless Precision Tubing	21.34	2.11	1/2"/DN15 SCH 10S	ASTM A312	41.00	1.50	DN40	DIN 11866 Range A	76.10	1.60	DN65	ISO 1127 serie A	141.30	6.55	5"/DN125 SCH 40S	ASTM A312
9.53	0.89	3/8"	ASME BPE - SF 1	21.34	2.77	1/2"/DN15 SCH 40S	ASTM A312	42.16	1.65	1 1/4"/DN32 SCH 5S	ASTM A312	76.10	2.00	DN65	DIN 11866 Range B	152.40	2.77	6"	3A
9.53	0.89	3/8"	ASME BPE - SF 4	22.00	1.00	DN20	DIN EN 10357 SERIES B	42.16	2.77	1 1/4"/DN32 SCH 10S	ASTM A312	76.10	2.00	DN65	ISO 1127 serie B	152.40	2.77	6"	ASME BPE - SF 1
9.53	0.89	DN10	DIN 11866 Range C	23.00	1.50	DN20	DIN EN 10357 SERIES A	42.16	3.56	1 1/4"/DN32 SCH 40S	ASTM A312	76.10	2.90	DN65	ISO 1127 serie C	152.40	2.77	6"	ASME BPE - SF 4
10.00	1.00	DN8	DIN 11866 Range A	23.00	1.50	DN20	DIN 11866 Range A	42.40	1.60	DN32	ISO 1127 serie A	76.20	1.60	3"	BS4825-1	152.40	2.77	DN150	DIN 11866 Range C
10.00	1.50		METRIC	25.00	1.00	1"	METRIC	42.40	2.00	DN32	DIN 11866 Range B	76.20	1.65	3"	3A	154.00	2.00	DN150	DIN EN 10357 SERIES A
10.00	1.50		Seamless Precision Tubing	25.00	1.20		ISO 2037	42.40	2.00	DN32	ISO 1127 serie B	76.20	1.65	3"	ASME BPE - SF 1	154.00	2.00	DN150	DIN 11866 Range A
10.20	1.60	DN6	ISO 1127 serie A	25.00	1.20		METRIC	42.40	2.60	DN32	ISO 1127 serie C	76.20	1.65	3"	ASME BPE - SF 4	168.28	2.77	6"/DN150 SCH 5S	ASTM A312
10.20	1.60	DN6	DIN 11866 Range B	25.00	1.60		ISO 2037	43.00	1.50		METRIC	76.20	1.65	DN80	DIN 11866 Range C	168.28	3.40	6"/DN150 SCH 10S	ASTM A312
10.29	1.24	1/8"/DN6 SCH 10S	ASTM A312	25.00	1.20	1"	SMS3008	48.26	1.65	1 1/2"/DN40 SCH 5S	ASTM A312	84.00	2.00		METRIC	168.28	7.11	6"/DN150 SCH 40S	ASTM A312
10.29	1.73	1/8"/DN6 SCH 40S	ASTM A312	25.40	1.20	1"	BS4825-1	48.26	2.77	1 1/2"/DN40 SCH 10S	ASTM A312	85.00	2.00	DN80	DIN EN 10357 SERIES A	168.30	2.00	DN150	ISO 1127 serie A
12.00	1.00	DN10	DIN EN 10357 SERIES B	25.40	1.60	1"	BS4825-1	48.26	3.68	1 1/2"/DN40 SCH 40S	ASTM A312	85.00	2.00	DN80	DIN 11866 Range A	168.30	2.60	DN150	ISO 1127 serie B
12.00	1.00		ISO 2037	25.40	1.65	1"	3A	48.30	1.60	DN40	ISO 1127 serie A	88.90	1.60	DN80	ISO 1127 serie A	168.30	3.00	DN150	ISO 1127 serie C
12.70	1.20	1/2"	BS4825-1	25.40	1.65	1"	ASME BPE - SF 1	48.30	2.00	DN40	DIN 11866 Range B	88.90	2.00		ISO 2037	168.30	2.60	6 5/8"	BS4825-1
12.70	1.65	1/2"	3A	25.40	1.65	1"	ASME BPE - SF 4	48.30	2.00	DN40	ISO 1127 serie B	88.90	2.00	DN80	ISO 1127 serie B	168.30	2.60		ISO 2037
12.70	1.65	1/2"	ASME BPE - SF 1	25.40	1.65	DN25	DIN 11866 Range C	48.30	2.60	DN40	ISO 1127 serie C	88.90	2.00	DN65	ISO 1127 serie B	168.30	2.60	DN150	DIN 11866 Range B
12.70	1.65	1/2"	ASME BPE - SF 4	26.67	2.11	3/4"/DN20 SCH 10S	ASTM A312	50.80	1.20	2"	BS4825-1	88.90	2.11	3"/DN80 SCH 5S	ASTM A312	204.00	2.00	DN200	DIN EN 10357 SERIES A
12.70	1.65	DN15	DIN 11866 Range C	26.67	2.87	3/4"/DN20 SCH 40S	ASTM A312	50.80	1.60	2"	BS4825-1	88.90	2.30	DN80	DIN 11866 Range B	204.00	2.00	DN200	DIN 11866 Range A
13.00	1.50	DN10	DIN EN 10357 SERIES A	26.90	1.60	DN20	ISO 1127 serie A	50.80	1.65	2"	3A	88.90	3.05	3"/DN80 SCH 10S	ASTM A312	219.08	2.77	8"/DN200 SCH 5S	ASTM A312
13.00	1.50	DN10	DIN 11866 Range A	26.90	2.00	DN20	ISO 1127 serie B	50.80	1.65	2"	ASME BPE - SF 1	88.90	2.90	DN80	ISO 1127 serie C	219.08	3.76	8"/DN200 SCH 10S	ASTM A312
13.50	1.60	DN8	DIN 11866 Range B	26.90	2.60	DN20	ISO 1127 serie C	50.80	1.65	2"	ASME BPE - SF 4	88.90	5.49	3"/DN80 SCH 40S	ASTM A312	219.08	8.18	8"/DN200 SCH 40S	ASTM A312
13.50	2.30	DN8	ISO 1127 serie C	26.90	1.60	DN20	DIN 11866 Range B	50.80	1.65	DN50	DIN 11866 Range C	101.60	2.00	4"	SMS3008	219.10	2.00	DN200	ISO 1127 serie A
13.72	1.65	1/4"/DN8 SCH 10S	ASTM A312	28.00	1.00	DN25	DIN EN 10357 SERIES B	51.00	1.20		ISO 2037	101.60	2.00	4"	BS4825-1	219.10	2.60	DN200	ISO 1127 serie B
13.72	2.24	1/4"/DN8 SCH 40S	ASTM A312	28.00	1.50	DN25	METRIC	51.00	1.20	2"	SMS3008	101.60	2.00		ISO 2037	219.10	3.00	DN200	ISO 1127 serie C
14.00	1.50		METRIC	29.00	1.50	DN25	DIN EN 10357 SERIES A	51.00	1.60		ISO 2037	101.60	2.11	4"	3A	219.10	2.60	8 5/8"	BS4825-1
15.00	1.50		METRIC	29.00	1.50	DN25	DIN 11866 Range A	52.00	1.00	DN50	DIN EN 10357 SERIES B	101.60	2.11	4"	ASME BPE - SF 1	219.10	2.60		ISO 2037
15.00	2.00		METRIC	33.40	2.77	1"/DN25 SCH 10S	ASTM A312	53.00	1.50	DN50	DIN EN 10357 SERIES A	101.60	2.11	4"	ASME BPE - SF 4	219.10	2.60	DN200	DIN 11866 Range B
15.88	1.20	5/8"	BS4825-1	33.40	3.38	1"/DN25 SCH 40S	ASTM A312	53.00	1.50	DN50	DIN 11866 Range A	101.60	2.11	DN100	DIN 11866 Range C	254.00	2.00	DN250	DIN EN 10357 SERIES A
16.00	1.00		METRIC	33.70	1.20		ISO 2037	60.30	2.00	DN50	DIN 11866 Range B	104.00	2.00	DN100	DIN EN 10357 SERIES A	254.00	3.05	10"	3A
16.00	1.50		Seamless Precision Tubing	33.70	1.60		ISO 2037	60.30	1.60	DN50	ISO 1127 serie A	104.00	2.00	DN100	DIN 11866 Range A	273.00	2.00	DN250	ISO 1127 serie A
17.15	1.65	3/8"/DN10 SCH 10S	ASTM A312	33.70	1.60	DN25	ISO 1127 serie A	60.30	2.00	DN50	ISO 1127 serie B	104.00	2.00		METRIC	273.00	2.60	DN250	ISO 1127 serie B
17.15	2.35	3/8"/DN10 SCH 40S	ASTM A312	33.70	2.00	DN25	DIN 11866 Range B	60.30	3.60	DN50	ISO 1127 serie C	104.00	2.00	4"	SMS3008 Practise based size	273.00	3.00	DN250	ISO 1127 serie C
17.20	1.00		ISO 2037	33.70	2.00	DN25	ISO 1127 serie B	60.33	1.65	2"/DN50 SCH 5S	ASTM A312	114.30	1.60	DN100	ISO 1127 serie A	273.10	4.19	10"/DN250 SCH 10S	ASTM A312
17.20	1.60	DN10	ISO 1127 serie A	33.70	2.60	DN25	ISO 1127 serie C	60.33	2.77	2"/DN50 SCH 10S	ASTM A312	114.30	2.00	DN100	ISO 1127 serie B	273.10	9.27	10"/DN250 SCH 40S	ASTM A312
17.20	2.00	DN10	ISO 1127 serie B	34.00	1.00	DN32	DIN EN 10357 SERIES B	60.33	3.91	2"/DN50 SCH 40S	ASTM A312	114.30	2.60	DN100	ISO 1127 serie C	304.00	3.05	12"	3A
17.20	2.60	DN10	ISO 1127 serie C	35.00	1.50	DN32	DIN EN 10357 SERIES A	63.50	1.60	2 1/2"	BS4825-1	114.30	2.00	4 1/2"	BS4825-1	304.00	3.40	12"	3A
17.20	1.60	DN10	DIN 11866 Range B	35.00	1.50	DN32	DIN 11866 Range A	63.50	1.60	2 1/2"	SMS3008	114.30	2.00		ISO 2037	323.90	4.57	12"/DN300 SCH 10S	ASTM A312
18.00	1.00	DN15	DIN EN 10357 SERIES B	38.00	1.20	1 1/2"	SMS3008	63.50	1.60		ISO 2037	114.30	2.11	4"/DN100 SCH 5S	ASTM A312	323.90	10.31	12"/DN300 SCH 40S	ASTM A312
19.00	1.50	DN15	DIN EN 10357 SERIES A	38.00	1.20		ISO 2037	63.50	1.65	2 1/2"	3A	114.30	2.30	DN100	DIN 11866 Range B	323.90	2.60	DN300	ISO 1127 serie B
19.00	1.50	DN15	DIN 11866 Range A	38.00	1.60		ISO 2037	63.50	1.65	2 1/2"	ASME BPE - SF 1	114.30	3.05	4"/DN100 SCH 10S	ASTM A312	323.90	3.00	DN300	ISO 1127 serie C
19.05	1.20	3/4"	BS4825-1	38.10	1.20	1 1/2"	BS4825-1	63.50	1.65	2 1/2"	ASME BPE - SF 4	114.30	6.02	4"/DN100 SCH 40S	ASTM A312	355.00	2.60	DN350	ISO 1127 serie B
19.05	1.65	3/4"	ASME BPE - SF 1	38.10	1.60	1 1/2"	BS4825-1	63.50	1.65	DN65	DIN 11866 Range C	129.00	2.00	DN125	DIN EN 10357 SERIES A	355.00	3.00	DN350	ISO 1127 serie C
19.05	1.65	3/4"	ASME BPE - SF 4	38.10	1.65	1 1/2"	3A	70.00	1.60		ISO 2037	129.00	2.00	DN125	DIN 11866 Range A	355.60	6.35	14"/DN350 SCH 10S	ASTM A312
19.05	1.65	3/4"	METRIC	38.10	1.65	1 1/2"	ASME BPE - SF 1	70.00	2.00	DN65	DIN EN 10357 SERIES A	139.70	2.00	5 1/2"	BS4825-1	355.60	11.13	14"/DN350 SCH 40S	ASTM A312
19.05	1.65	DN15	DIN 11866 Range C	38.10	1.65	1 1/2"	ASME BPE - SF 4	70.00	2.00	DN65	DIN 11866 Range A	139.70	2.00		ISO 2037	406.00	3.00	DN400	ISO 1127 serie C
21.30	1.00		ISO 2037	38.10	1.65	DN40	DIN 11866 Range C	73.03	2.11	2 1/2"/DN65 SCH 5S	ASTM A312	139.70	2.00	DN125	ISO 1127 serie A	406.40	6.35	16"/DN400 SCH 10S	ASTM A312
21.30	1.60	DN15	DIN 11866 Range B	40.00	1.00	DN40	DIN EN 10357 SERIES B	73.03	3.05	2 1/2"/DN65 SCH 10S	ASTM A312	139.70	2.60	DN125	ISO 1127 serie B	406.40	12.70	16"/DN400 SCH 40S	ASTM A312