

ANSI PIPE SCHEDULE CHART

Wall thickness according to ANSIB36.19 or B36.10

n.size	o.d.																	
inch	mm	5S	10S	10	20	30	40S	STD	40	60	80S	XS	80	100	120	140	160	XXS
3/8	17,1		1,65	1,65			2,31	2,31	2,31		3,2	3,2	3,2					
	kg/m		0,63	0,63			0,84	0,84	0,84		1,1	1,1	1,1					
1/2	21,34	1,65	2,11	2,11			2,77	2,77	2,77		3,73	3,73	3,73				4,78	
	kg/m	0,80	1,00	1,00			1,27	1,27	1,27		1,62	1,62	1,62				1,95	
3/4	26,67	1,65	2,11	2,11			2,87	2,87	2,87		3,91	3,91	3,91				5,56	7,82
	kg/m	1,02	1,28	1,28			1,68	1,68	1,68		2,19	2,19	2,19				2,89	3,64
1	33,43	1,65	2,77	2,77			3,38	3,38	3,38		4,55	4,55	4,55				6,35	9,09
	kg/m	1,29	2,09	2,09			2,50	2,50	2,50		3,24	3,24	3,24				4,24	5,46
1 1/4	42,20	1,65	2,77	2,77			3,56	3,56	3,56		4,85	4,85	4,85				6,35	9,70
	kg/m	1,65	2,69	2,69			3,39	3,39	3,39		4,47	4,47	4,47				5,61	7,77
1 1/2	48,30	1,65	2,77	2,77			3,68	3,68	3,68		5,08	5,08	5,08				7,14	10,16
	kg/m	1,90	3,11	3,11			4,05	4,05	4,05		5,41	5,41	5,41				7,25	9,56
2	60,30	1,65	2,77	2,77			3,91	3,91	3,91		5,54	5,54	5,54				8,74	11,07
	kg/m	2,39	3,93	3,93			5,44	5,44	5,44		7,48	7,48	7,48				11,11	13,44
2 1/2	73,00	2,11	3,05	3,05			5,16	5,16	5,16		7,01	7,01	7,01				9,52	14,02
	kg/m	3,69	5,26	5,26			8,63	8,63	8,63		11,41	11,41	11,41				14,90	20,39



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3	88,90	2,11	3,05	3,05			5,49	5,49	5,49		7,62	7,62	7,62				11,13	15,24
	kg/m	4,52	6,46	6,46			11,29	11,29	11,29		15,27	15,27	15,27				21,35	27,68
3 1/2	101,60	2,11	3,05	3,05			5,74	5,74	5,74		8,08	8,08	8,08					
	kg/m	5,18	7,41	7,41			13,57	13,57	13,57		18,63	18,63	18,63					
4	114,30	2,11	3,05	3,05			6,02	6,02	6,02		8,56	8,56	8,56				13,49	17,12
	kg/m	5,84	8,37	8,37			16,07	16,07	16,07		22,32	22,32	22,32				33,54	41,03
5	141,30	2,77	3,40	3,40			6,55	6,55	6,55		9,52	9,52	9,52				15,88	19,05
	kg/m	9,46	11,56	11,56			21,77	21,77	21,77		30,94	30,94	30,94				49,11	57,43
6	168,30	2,77	3,40	3,40			7,11	7,11	7,11		10,97	10,97	10,97				18,26	21,95
	kg/m	11,31	13,83	13,83			28,26	28,26	28,26		42,56	42,56	42,56				67,56	79,22
8	219,10	2,77	3,76	3,76	6,35	7,04	8,18	8,18	8,18		12,70	12,70	12,70				23,01	22,22
	kg/m	14,78	19,97	19,97	33,31	36,81	42,55	42,55	42,55		64,64	64,64	64,64				111,27	107,88
10	273,00	3,40	4,19	4,19	6,35	7,80	9,27	9,27	9,27		12,70	12,70	15,09				28,58	25,40
	kg/m	22,60	27,77	27,77	41,75	51,01	60,29	60,29	60,29		81,52	81,52	95,97				172,26	155,09
12	323,80	3,96	4,57	4,57	6,35	8,38	9,52	9,52	10,31		12,70	12,70	17,48				33,32	25,40
	kg/m	31,23	35,98	35,98	49,71	65,18	73,78	73,78	79,70		97,43	97,43	132,04				238,68	186,91
14	355,60	3,96	4,78	6,35	6,35	7,92		9,52	9,52	11,13		15,09	12,70	19,05	23,83	27,79	35,71	35,71
	kg/m	34,34	41,35		54,69	67,90		81,25	81,25	94,55		126,71	107,39	158,10	194,96	224,65	253,56	281,70

16	406,40	4,19	4,78	6,35	6,35	7,92		9,52	9,52	12,70		16,66	12,70	21,44	26,16	30,96	36,53	40,49
	kg/m	41,56	47,34	62,64	2,64	77,83		93,17	93,17	123,30		160,12	123,30	203,53	245,29	286,64	333,19	365,36
18	457,20	4,19	4,78	6,35	6,35	7,92		11,13	9,52	14,27		19,05	12,70	23,83	29,36	34,92	39,67	45,24
	kg/m	46,81	53,33	70,60	70,60	87,75		122,43	105,10	155,87		205,83	139,21	254,67	309,76	363,64	408,45	459,59
20	508,00	4,78	5,54	6,35	6,35	9,52		12,70	9,52	15,09		20,62	12,70	26,19	32,54	38,10	44,45	50,01
	kg/m	59,32	68,64	78,55	78,55	117,02		155,12	117,02	183,42		247,83	155,12	311,17	381,53	441,49	508,11	564,81
22	558,80	4,78	5,54	6,35	6,35	9,52		12,70	9,52			22,22	12,70	28,58	34,92	41,28	47,62	53,97
	kg/m	65,30	75,58	86,51	86,51	128,95		171,03	128,95			294,02	171,03	373,69	451,13	526,82	600,28	671,88
24	609,60	5,54	6,35	6,35	6,35	9,52		14,27	9,52	17,48		24,61	12,70	30,96	38,89	46,02	52,37	59,54
	kg/m	82,52	94,46	94,46	94,46	140,88		209,50	140,88	255,24		355,02	186,94	441,78	547,33	639,58	719,63	807,63
26	660,40			7,92	12,70			9,53				12,70						
	kg/m			127,43	202,85			152,96				202,85						
28	711,20			7,92	12,70	15,88		9,53				12,70						
	kg/m			137,36	218,76	272,29		164,90				218,76						



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30	762,00	6,35		7,92	12,70	15,88		9,53				12,70						
	kg/m	118,33		147,28	234,67	292,18		176,84				234,67						
32	812,80			7,92	12,70	15,88		9,53	17,48			12,70						
	kg/m			157,20	150,58	312,07		188,78	342,83			250,58						
34	863,60			7,92	12,70	15,88		9,53	17,48			12,70						
	kg/m			167,12	266,49	331,97		200,71	364,73			266,49						
36	914,40			7,92	12,70	15,88		9,53	19,05			12,70						
	kg/m			177,04	282,40	351,86		212,65	386,62			282,40						
38	965,20							9,53				12,70						
	kg/m							224,59				298,31						
40	1016,00							9,53				12,70						
	kg/m							236,53				314,22						

The formula to approx. calculate the steel pipe nominal weight per unit length is:

Approx. weight per unit length (kg/m) = [O.D.(mm) - W.T.(mm)] x W.T.(mm) x 0,02466

Approx. weight per unit length (lb/ft) = [O.D.(inch) - W.T.(inch)] x W.T.(inch) x 10,68

where O.D.=outside diameter and W.T.=wall thickness

Note that 1 in.= 25,4 mm and 1 lb/ft = 1,4895 kg/m.

The different grades of stainless steel have different specific densities and hence may weight more or less then the value listed in this table would indicate. The ferritic stainless steel may be about 5% less and the austenitic stainless steel about 2% greater. Variations on nominal weight per unit depends upon the method of manufacture, because of tolerances indicated in each specification.

These information have to be intended as a general guide. Therefore their use is always at user's responsibility. Rey Italia makes no warranty of any kind with respect to the subject matter of accuracy of the information.