

TABLE 4
Minimum Wall Thickness for Steel Pipes (See 4-6-2/5.1.3)

Nom. Size mm	Outside Dia. mm	Wall Thickness, mm				
		A	B	C	D	E
6	10.2	1.6				
8	13.5	1.8				
10	17.2	1.8				
15	21.3	2.0	2.8			
20	26.9	2.0	2.8			
25	33.7	2.0	3.2	4.2	6.3	6.3
32	42.4	2.3	3.5	4.2	6.3	6.3
40	48.3	2.3	3.5	4.2	6.3	6.3
50	60.3	2.3	3.8	4.2	6.3	6.3
65	76.1	2.6	4.2	4.2	6.3	7.0
80	88.9	2.9	4.2	4.2	7.1	7.6
90	101.6	2.9	4.5	4.5	7.1	8.1
100	114.3	3.2	4.5	4.5	8.0	8.6
125	139.7	3.6	4.5	4.5	8.0	9.5
150	168.3	4.0	4.5	4.5	8.8	11.0
200	219.1	4.5	5.8	5.8	8.8	12.5
250	273.0	5.0	6.3	6.3	8.8	12.5
300	323.9	5.6	6.3	6.3	8.8	12.5
350	355.6	5.6	6.3	6.3	8.8	12.5
400	406.4	6.3	6.3	6.3	8.8	12.5
450	457.0	6.3	6.3	6.3	8.8	12.5

Nom. Size in.	Outside Dia. in.	Wall Thickness, in.				
		A	B	C	D	E
1/8	0.405	0.063				
1/4	0.540	0.071				
3/8	0.675	0.071				
1/2	0.840	0.079	0.110			
3/4	1.050	0.079	0.110			
1	1.315	0.079	0.126	0.165	0.248	0.248
1 1/4	1.660	0.091	0.138	0.165	0.248	0.248
1 1/2	1.900	0.091	0.138	0.165	0.248	0.248
2	2.375	0.091	0.150	0.165	0.248	0.248
2 1/2	2.875	0.102	0.165	0.165	0.248	0.276
3	3.500	0.114	0.165	0.165	0.280	0.300
3 1/2	4.000	0.114	0.177	0.177	0.315	0.318
4	4.500	0.126	0.177	0.177	0.315	0.337
5	5.563	0.142	0.177	0.177	0.346	0.375
6	6.625	0.157	0.177	0.177	0.346	0.432
8	8.625	0.177	0.228	0.228	0.346	0.5
10	10.750	0.197	0.248	0.248	0.346	0.5
12	12.750	0.220	0.248	0.248	0.346	0.5
14	14.000	0.220	0.248	0.248	0.346	0.5
16	16.000	0.248	0.248	0.248	0.346	0.5
18	18.000	0.248	0.248	0.248	0.346	0.5

Columns:

- A (2003) Pipes in general, except where Columns B, C, D or E are applicable
- B Bilge, ballast and sea water pipes except those covered by column D.
- C (2003) Vent, overflow and sounding pipes for integral tanks except those covered by column D (see Notes 6 and 7) and fuel oil pipes passing through fuel oil tanks.
- D Bilge, ballast, vent, overflow and sounding pipes passing through fuel tanks (see Notes 6, 7 and 8).
Bilge, vent, overflow, sounding and fuel pipes passing through ballast tanks (see Notes 6, 7 and 8).
- E Ballast pipes passing through cargo oil tanks (see Note 9).
Cargo pipes passing through ballast tanks (see Note 9).

Notes:

- 1 (2002) The minimum thicknesses are the smallest thicknesses selected from those thicknesses specified in ISO 4200 Series 1, JIS, or ASTM Standards. Notwithstanding the requirements of this Table, diameters and thicknesses specified in other recognized standards will also be acceptable.
- 2 For threaded pipes, where approved, the thickness is to be measured to the bottom of the thread.
- 3 For pipes protected against corrosion, a reduction of thickness not exceeding 1 mm (0.039 in.) may be considered.
- 4 For minimum wall thicknesses of copper, copper alloy and austenitic stainless steel pipes, see 4-6-2/Table 5A and 4-6-2/Table 5B.
- 5 This table is not applicable to exhaust gas pipes.
- 6 For that part of a vent pipe exposed to weather, pipe wall is to be as specified in 4-6-4/9.3.2(a).
- 7 The thickness indicated for sounding pipes is for the portions outside the tanks to which the pipe is opened. Within bilge well, to which the pipe is not opened, the thickness is to be extra-heavy; see 4-6-4/11.3.3iv).
- 8 For bilge pipes, column D thickness applies only where required by 4-6-4/5.5.4(c).
- 9 Where permitted by 5C-1-7/3.3.3 and 5C-1-7/5.3.2.
- 10 (2002) For nominal sizes larger than 450 mm (18 in.), the minimum wall thickness specified for 450 mm (18 in.) nominal size pipe is applicable.