

Supplementary Materials

Dimension and type of stiffened plates of Oil Tanker (T3)

Stiffener No.	Description (mm) a/b x d/c (refers to Figure 5)	Type
1	L300/12 x 90/17	Angle-Bar
2	L619/13 x 150/19	Angle-Bar
3	L400/11.5 x 100/16	Angle-Bar
4	L489/11 x 150/19	Angle-Bar
5	L400/13 x 100/18	Tee-Bar
6	L872/14 x 150/22	Tee-Bar
7	L367/11 x 150/22	Tee-Bar
8	L412/11 x 150/22	Tee-Bar
9	L522/11 x 150/22	Tee-Bar
10	L452/11 x 150/22	Tee-Bar
11	L722/14 x 150/22	Tee-Bar
12	L472/11 x 150/22	Tee-Bar
13	L250/12 x 90/16	Angle-Bar
14	L485/11 x 150/30	Tee-Bar
15	L300/11 x 90/16	Angle-Bar
16	L475/11 x 150/30	Tee-Bar
17	L473/11 x 150/28	Tee-Bar
18	L480/11 x 150/25	Tee-Bar
19	L445/11 x 150/25	Tee-Bar
20	L452/11 x 150/22	Tee-Bar
21	L474/11 x 125/19	Tee-Bar
22	L439/11 x 125/16	Tee-Bar
23	L386/11 x 125/16	Angle-Bar
24	L306/11 x 125/16	Angle-Bar
25	L300/11 x 90/16	Angle-Bar
26	L350/12 x 100/17	Angle-Bar
27	L300/11 x 90/16	Angle-Bar
28	L487/11 x 150/32	Tee-Bar
29	L250/12 x 90/16	Angle-Bar
30	L474/11 x 150/19	Tee-Bar
31	L469/11 x 150/19	Tee-Bar
32	L454/11 x 150/19	Tee-Bar
33	L489/11 x 125/19	Tee-Bar
34	L459/11 x 125/19	Tee-Bar
35	L429/11 x 125/19	Tee-Bar
36	L379/11 x 125/19	Tee-Bar
37	L324/11 x 125/19	Angle-Bar
38	L966/16 x 200/16	Angle-Bar
39	L350/12 x 100/17	Angle-Bar
40	L200/12	Flat-Bar

Dimension and type of stiffened plates of Oil Tanker (T4)

Stiffener No.	Description (mm) a/b x d/c (refers to Figure 5)	Type
1	300/11 x 90/16	Angle-Bar
2	350/12 x 100/17	Angle-Bar
3	400/11.5 x 100/16	Angle-Bar
4	489/11 x 150/19	Angle-Bar
5	619/12 x 150/19	Angle-Bar
6	966/16 x 200/16	Angle-Bar
7	1016/16 x 200/16	Angle-Bar
8	1116/16 x 200/16	Angle-Bar
9	1116/16 x 200/16	Angle-Bar
10	1145/16 x 200/16	Angle-Bar
11	200 x 13	Flat-Bar
12	200 x 14	Flat-Bar
13	306/11 x 125/16	Tee-Bar
14	324/12 x 125/19	Tee-Bar
15	324/11 x 125/19	Tee-Bar
16	344/11 x 125/19	Tee-Bar
17	367/11 x 150/22	Tee-Bar
18	379/11 x 125/19	Tee-Bar
19	379/11 x 125/19	Tee-Bar
20	386/11 x 125/16	Tee-Bar
21	412/11 x 150/22	Tee-Bar
22	429/11 x 125/19	Tee-Bar
23	431/11 x 125/16	Tee-Bar
24	431/12 x 125/16	Tee-Bar
25	452/11 x 150/22	Tee-Bar
26	454/11 x 150/19	Tee-Bar
27	459/11 x 125/19	Tee-Bar
28	469/11 x 150/19	Tee-Bar
29	472/11 x 150/22	Tee-Bar
30	472/11 x 150/22	Tee-Bar
31	474/11 x 150/19	Tee-Bar
32	475/11 x 150/25	Tee-Bar
33	485/11 x 150/30	Tee-Bar
34	487/11 x 180/32	Tee-Bar
35	487/11 x 180/32	Tee-Bar
36	489/11 x 125/19	Tee-Bar
37	492/12 x 125/25	Tee-Bar
38	507/11 x 200/32	Tee-Bar
39	507/11 x 200/32	Tee-Bar
40	522/11 x 150/22	Tee-Bar

Dimension and type of stiffened plates of Bulk Carrier (B1)

Stiffener No.	Description (mm) a/b x d/c (refers to Figure 6)	Type
1	250/10 x 90/15	Angle-Bar
2	200/9 x 90/14	Angle-Bar
3	300/13 x 90/17	Angle-Bar
4	250/12 x 90/16	Angle-Bar