

RECOMENDED VOLUME OF CHAIN LOCKER

PER 100 MTR ANCHOR CHAIN

The table is based on the following formula from Germanischer Lloyd:

$$S = 1,1 \cdot d^2 \cdot \frac{l}{2} \cdot 10^{-5} \text{ [m}^3\text{]}$$

S = Storage volume.

d = chain diameter

l = lenght of chain
(here divided by two,
as there are two chain
lengths [port and
starboard])

The class society rules states the following:

The chain locker shall have adequate capacity and a suitable form to provide a proper stowage of the chain cable, and an easy direct lead for the cable into the spurling pipes, when the cable is fully stowed. Port and starboard cables shall have separate spaces. If three (3) bower anchors and three (3) hawse pipes are used, there shall be three (3) separate spaces. Spurling pipes and chain lockers shall be watertight up to the weather deck.

Dia.		Volume		Dia.		Volume	
mm		m ³		mm		m ³	
12.5	0.17	87	8.33				
14	0.22	90	8.91				
16	0.28	92	9.31				
17.5	0.34	95	9.93				
19	0.40	97	10.35				
20.5	0.46	100	11.00				
22	0.53	102	11.45				
24	0.64	107	12.60				
26	0.75	111	13.56				
28	0.86	114	14.30				
30	1.00	117	15.06				
32	1.13	120	15.84				
34	1.27	122	16.37				
36	1.43	124	16.92				
38	1.59	127	17.74				
40	1.76	130	18.59				
42	1.94	132	19.17				
44	2.13	137	20.65				
46	2.33	142	22.18				
48	2.54	147	23.77				
50	2.75	152	25.42				
52	2.98	157	27.12				
54	3.21	162	28.87				
56	3.45	165	29.95				
58	3.70	168	31.05				
60	3.96	171	32.17				
62	4.23	175	33.69				
64	4.51	178	34.86				
66	4.79	180	35.64				
68	5.09	185	37.65				
70	5.39	188	38.88				
73	5.86	191	40.13				
76	6.36	194	41.40				
78	6.70	197	42.69				
81	7.22	200	44.00				
84	7.76	205	46.23				

Note: The measurements in tables may vary between different models. Sotra Anchor & Chain AS can not be hold responsible for any deviate between tables and delivered equipment.