



## Mantus M1 Galvanised Steel Anchors

### Intro

The Mantus M1 Galvanised Steel Anchor is a quick-set anchor that 'DIGS LIKE NO OTHER'. This cruising and powerboat yacht anchor is designed to penetrate dense, grassy bottoms and set with unparalleled holding power, whether you are a long-range cruiser, racing yachtsman, or day sailor.

Easily stowable the Mantus M1 Yacht Anchor breaks down for easy storage, so you can store one or two as spares without needing to take up valuable space.

### Description

The Mantus M1 Galvanised Steel Anchor is designed to dig like no other and will penetrate dense, grassy bottoms and set with unparalleled holding power. When tested, our anchors set faster and deeper than any other tested anchor, including Rocna, Manson Supreme, Bulwagga, Fortress, Bruce, CQR and Danforth anchors.

Mantus M1 anchors set perfectly every time, the roll bar delivers the anchor at the optimum penetration angle and the sharp-headed nose is precision machined to achieve the ideal chisel shape to achieve maximum penetrating power.

The anchors fluke design is shaped to present the maximum area possible to the sea floor and then provide optimum resistance enabling the highest holding power possible whether on a soft seabed, or on hard or weedy sea floors. The M1 will remain stable and buried once in position and will not 'roll out' if reversed or veered.

Manufactured and formed from high-quality steel plate with no cast parts, the shank and shank boot are welded from top and bottom and are securely bolted with the roll bar to the fluke with oversized ASTM certified steel bolts with a large margin to ensure safety. 4 bolts are used with a single bolt sufficient to handle the maximum expected load on the anchor.

Mantus simply offer the best boat anchors available, for every requirement whether a long-range cruiser, racing yachtsmen, or daysailer. The Mantus M1 quickly sets is stowable and breaks down for easy storage, enabling you to store one or two as spares without needing to take up valuable boat space.

### Features

- Formed out of high-quality steel plate.
- Contains no cast parts.
- Shank and shank boot are welded from top and bottom.
- Shank and roll bar are bolted to the fluke.
- ASTM certified steel bolts are oversized with a large margin to ensure safety.
- Although the shank is attached to the fluke with 4 bolts, a single bolt has sufficient strength to handle the maximum expected load on the anchor. See below for bolt specifications: need to write into UK imperial
- In the carbon steel version, every part of the anchor system is hot-dip galvanized for corrosion protection. (All shanks are HT ASTM 514 Steel and flukes are mild steel A36 equivalent).



- Sharp-headed nose is precision machined to achieve the perfect chisel shape to achieve maximum penetrating power.

Galvanized Hi - Test Bolts

\* working load is 1/4<sup>th</sup> of the breaking strength.

Bolt Size	Grade 5 Bolt - Tensile Strength (lbs)	Shank/Fluke Joint Breaking Strength (lbs)	Shank/Fluke Joint Working Load* (lbs)	Anchor Size/Model (4 bolts are used in Shank/Fluke Joint)
1/4	6,000	24,000	6,000	8 lbs
3/8	13,200	52,800	13,200	13lbs/25 lbs
1/2	24,000	96,000	24,000	35 lbs/45 lbs
5/8	37,200	148,800	37,200	55 lbs/65 lbs/85 lbs
3/4	52,800	211,200	52,800	105 lbs/ 125 lbs/ 175 lbs

### What's Included

- Anchor of choice
- Bolts, Washers, and Nuts are provided with every Mantus M1 Anchor

### Specification

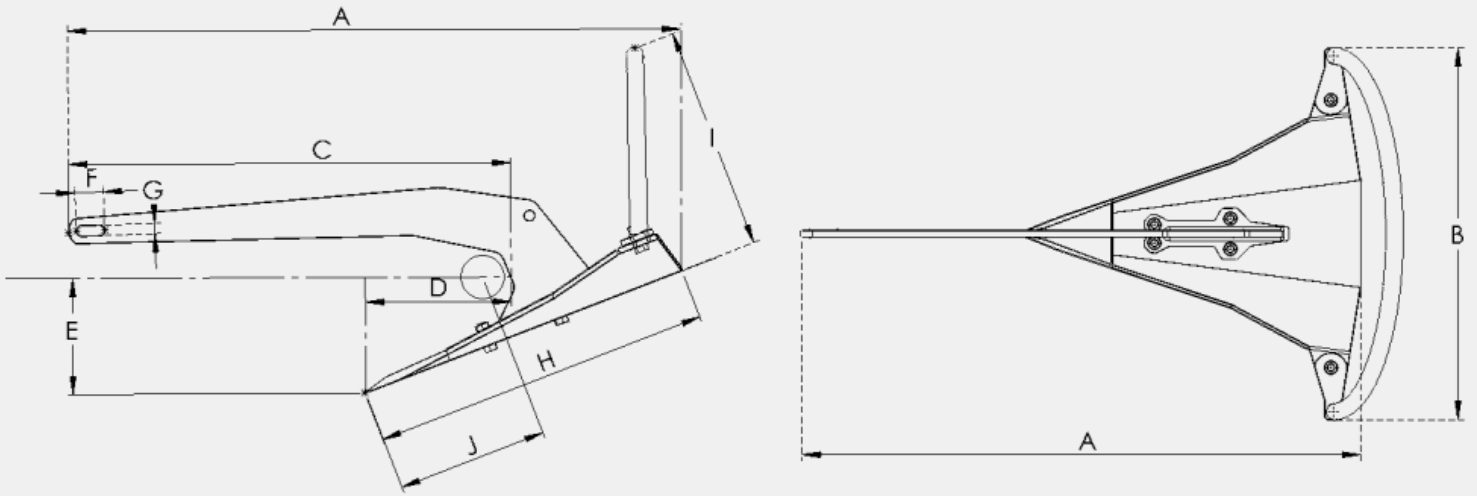
When making sizing recommendations for a cruising anchor we are referring to the needs of a cruising boat spending most of its time on anchor. In doing so we try to envelope high sustained winds (50 kts) and assume poor holding conditions (low viscosity bottoms). Some may think these recommendations to be too conservative especially when compared to sizing tables from other manufacturers. Companies often make claims of superior anchor efficiency, stating that their small anchor X will outperform a much heavier anchor from their competitors and often use sizing charts as a marketing tool to that end, recommending anchors and anchor systems that are dangerously undersized for their intended use. Comparing surface area can be a good judge for potential holding capability. Our anchor sizing recommendations are presented in the tables below and divided in three categories: 'Day Anchor' category is recommended for lighter use, expected winds under 30 knots, 'Cruising Anchor' for winds under 50 knots and finally, 'Storm Anchor' recommendations are intended for winds above 50 knots. These recommendations are made assuming the worst-case scenario, a poor holding bottom and thus may seem conservative, but we believe are accurate.

### Anchor Size Guide:

Anchor Size	Day Anchor recommended for winds < 30 knots	Cruising Anchor recommended for winds < 50 knots	Storm Anchor recommended for winds > 50 knots	Blade Surface Area cm <sup>2</sup>
2.5 lbs	0-16 feet < 1,000 lbs			160
8 lbs	16-20 feet < 3,000 lbs	0- 14 feet < 1,000 lbs	0-12 feet < 800 lbs	360
13 lbs	20-25 feet < 5,000 lbs	16-20 feet < 3000lbs	12-16 feet < 1000 lbs	570
17 lbs	25-30 feet < 11,000 lbs	20-25 feet < 5000lbs	16-20 feet < 3000 lbs	680
25 lbs	30-35 feet < 15,000 lbs	25-30 feet < 11,000 lbs	20-25 feet < 5000 lbs	800
35 lbs	35-39 feet < 20,000 lbs	30-35 feet < 15,000 lbs	25-30 feet < 11,000 lbs	1000
45 lbs	39-43 feet < 30,000 lbs	35-39 feet < 20,000 lbs	30-35 feet < 15,000 lbs	1260
55 lbs	43-45 feet < 40,000 lbs	39-43 feet < 30,000 lbs	35-39 feet < 20,000 lbs	1400



Dimensions and Fit:



M1 MODEL DIMENSIONS (IMPERIAL)

	A	B	C	D	E	F	G	H	I	J
2.5 lbs	17	10.2	11.8	4.0	3.2	0.8	0.3	9.3	6.1	4.1
8 lbs	22	13.0	15.1	5.1	4.1	1.0	0.4	11.9	7.9	5.3
13 lbs	26	15.9	18.4	6.2	5.0	1.2	0.4	14.5	9.6	6.5
17 lbs	29	17.5	20.4	6.9	5.5	1.3	0.5	16.0	10.6	7.1
25 lbs	31	19.0	22.0	7.4	5.9	1.5	0.5	17.3	11.4	7.7
35 lbs	35	21.1	24.5	8.3	6.6	1.6	0.6	19.3	12.7	8.6
45 lbs	39	23.7	27.5	9.3	7.4	1.8	0.7	21.6	14.3	9.6
55 lbs	42	25.4	29.4	10.0	7.9	1.9	0.7	23.2	15.3	10.3

M1 MODEL DIMENSIONS (METRIC)

	A	B	C	D	E	F	G	H	I	J
1.1 kg	427	259	300	102	81	20	7	236	156	105
3.6 kg	546	331	384	130	103	25	9	302	200	135
5.9 kg	666	403	468	158	126	31	11	368	243	164
7.7 kg	735	446	517	175	139	34	12	407	269	181
11.4 kg	795	482	559	189	150	37	13	440	290	196
15.9 kg	884	536	622	210	167	41	15	489	323	218
20.5 kg	993	602	699	236	188	46	17	550	363	245
25.0 kg	1063	644	747	253	201	49	18	588	388	262