

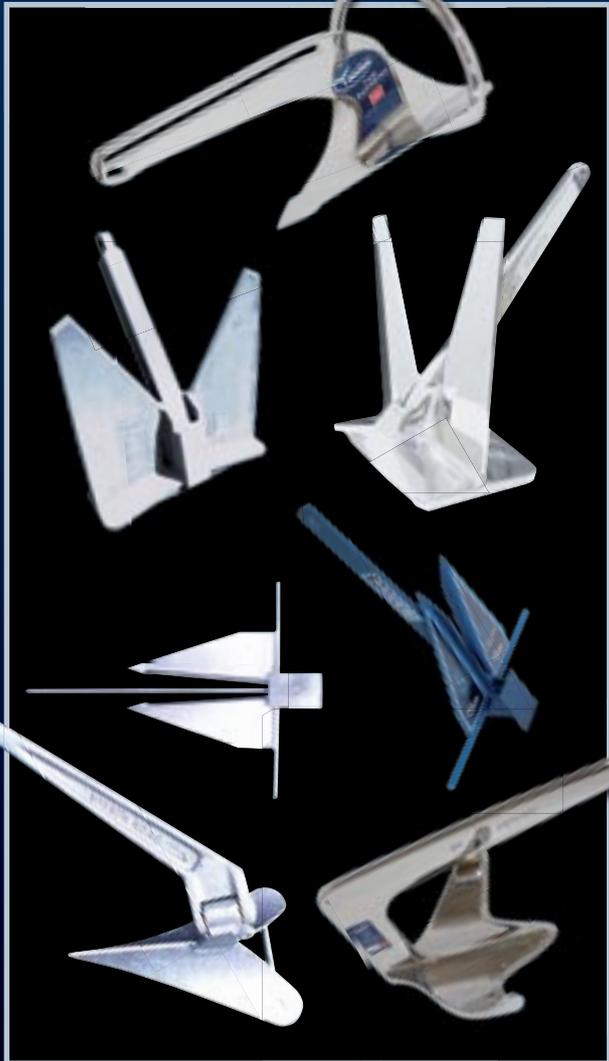


MANSON ANCHORS

THE TRUSTED PERFORMER

LEADING THE WAY

IN ANCHORING TECHNOLOGY



BORN ON THE WATER

Manson Anchors has grown from a family of professional boatbuilders, marine engineers and staunch world cruisers. Founded in 1972 and based in Auckland, New Zealand, Manson Anchors began with the aim of manufacturing anchors suitable for the harsh local conditions and for boaters that use and rely on their anchors every day.

WORLD CLASS TECHNOLOGY

Manson currently has six Lloyd's Register type approved anchors, and is continually developing new anchors to cater to specific markets and for specific purposes. In-house testing facilities work in conjunction with expertly trained and certified welding staff to ensure that all product produced at Manson is the most well built anchoring equipment available in the world. No other anchor company boasts the range, expertise, approvals and certifications that Manson Anchors does.

FROM NEW ZEALAND TO THE WORLD

New Zealand has a proud history of nautical excellence. From winning and defending the America's Cup, consistent Olympic success and offshore racing, it would seem salt water runs through the veins of New Zealanders. It is this ocean going spirit which has seen Manson develop its anchor range to become a truly worldwide product available globally through its expert distribution network.

IMPECCABLE CREDENTIALS

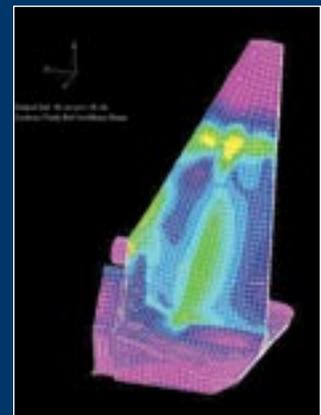
Manson is recognised by all major classification societies; Lloyd's Register, ABS, DNV, GL & BV. Manson Anchors are subjected to rigorous testing. Once CAD designs are approved, seabed testing in three different soil types is conducted, then on-site inspections certify all welding procedures. Finally, each anchor is proof load tested using a hydraulic rig. The anchor is then stamped with a certification number, with certificates enclosed upon shipping.

LLOYD'S REGISTER APPROVED

In order for Manson to consistently exceed expectations, every weld is performed by a Lloyd's Register approved welder and is covered by a Lloyd's Register / ASME IX welding procedure.

QUALITY ASSURED

Utilising Finite Element Assessment to accurately determine all levels of distortion, load limits and material dimensions, Manson Anchors can determine the exact requirements for each application.



SPECIFY THE BEST
SPECIFY A MANSON ANCHOR

THE MANSON ANCHOR RANGE

The trusted name in anchoring, Manson delivers peace of mind in the widest range of conditions or seabeds or vessels including:

- Runabouts
- Motoryachts
- Pleasure yachts
- Superyachts
- Sand bottoms
- Mud
- Rock
- Weed
- Force 16 winds
- Extreme conditions

THE RANGE YOU CAN RELY ON

THE MANSON SUPREME

CERTIFIED AS A SUPER HIGH HOLDING POWER ANCHOR (SHHP)



THE NEXT GENERATION IN ANCHORING

Following extensive development and rigorous testing, Manson now leads the next generation in anchoring technology with the Manson Supreme. The Supreme is a high holding, fast setting fixed shank anchor. The added design feature of a dual slotted shank enables all purpose anchoring in rock and sand seabed types.



- Immediate setting
- Dual shank for anchoring in sand or rocky seabeds
- Super High Holding Power - a world first
- Efficient design means less weight with greater versatility
- Galvanised or stainless steel

Immediate Set: the spear head and wing tips cut through weed and grass and combine to make this anchor set immediately, typically load bearing in only the length of the anchor itself.

Super High Holding Power: because the Supreme uses a roll bar to self right instead of a heavily leaded tip, weight and strength can be redistributed into the load-bearing fluke. The Supreme is the first production anchor in the world to be certified by Lloyd's Register of Shipping with Super High Holding Power.

Dual Shank Anchoring: the twin slots on the anchor shank enable use in all seabed types. When anchoring in rocky or coral situations, switching the anchor mode onto the rock-slot means that if the anchor becomes lodged or jammed, the shackle can slide to the front of the anchor and simply lift forward.

STANDARD SIZES AVAILABLE - Custom sizes available on request

kg	2.2	4.5	6.7	11	16	20	27	36	45	56	67	78	100	123	145	179
lb	5	10	15	25	35	45	60	80	100	125	150	175	225	275	325	400

THE MANSON RAY

CERTIFIED AS A HIGH HOLDING POWER ANCHOR (HHP)



FAST SET AND GREAT PERFORMER



Very quick to set, the Ray is well suited to rapid deployment and 'no fuss' anchoring. It's especially useful when anchoring in crowded anchorages.

- Excels in sand and mud
- Usually sets in just the length of the anchor
-  Voted *Practical Sailor Magazine's* "Best choice for difficult conditions (bad bottom/short scope)" when likely to encounter challenging conditions regularly.

STANDARD SIZES AVAILABLE - Custom sizes available on request

kg	10	15	20	25	30	35	40	50	65	80	100	120	150	175	200	250
lb	22	34	45	56	67	78	90	112	146	179	224	269	336	392	448	560

THE MANSON PLOUGH

CERTIFIED AS A HIGH HOLDING POWER ANCHOR (HHP)



THE TRUSTED PERFORMER SINCE 1972



Plough anchors have been proven extensively across the world for the last seventy years.

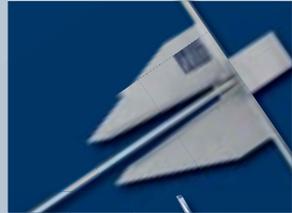
- Fantastic all round anchoring in a variety of seabed conditions
- Hinged shanks improve the scope of movement of chain and weighted tip
- Ploughs deliver secure holding in sand, weeds and mud
- A Manson Plough will quickly reset in strong wind or current shifts

STANDARD SIZES AVAILABLE - Custom sizes available on request

kg	5	7	9	11	14	16	18	20	23	27	36	45	55	68	82	91
lb	10	15	20	25	30	35	40	45	50	60	80	100	120	150	180	200

THE MANSON SAND ANCHOR

THE MOST EFFECTIVE SOLUTION



Manson Sand Anchors are a cost effective anchoring solution and have been successfully used by fishermen and boaties for many years.

- Best suited for day or launch pick anchoring
- Lies flat for easier stowage
- Will work on all seabed types
- Quick setting
- Galvanised or stainless steel



Sizes	3s	4s	6s	8s	10s	13s	18s	22s	30s	40s	50s
Custom sizes available on request											

THE MANSON RACER

THE WORLD'S FIRST ALUMINIUM RACING ANCHOR



The Manson Racer is the first anchor on the market specifically tailored for racing yachts of all sizes.

- Made from high tensile aluminum
- Fully welded and anodized ready for use
- Effective anchor with great weight saving potential
- 10 different sizes depending on yacht length

Anchor Size	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10
Yacht Size (m)	3-4	4-6	6-8	8-9	9-11	11-12	12-13	13-14	14-16	16-18



RUNABOUTS TO SUPERYACHTS

THERE'S A MANSON ANCHOR TO SUIT

Manson is the only company worldwide dedicated solely to the production of anchors for the recreational marine industry. The same level of attention to detail and craftsmanship goes into each and every anchor that is produced. This means for a runabout owner you can feel confident that the technology we pour into advancements in Superyacht anchoring flows into the building of your anchor, in the same way that Formula One advances the common family sedan. For Superyacht anchoring, clients can feel assured that after literally hundreds of thousands of anchors, designed, built, tested and in everyday use all over the world, we are on the correct path to ensuring that the anchor on your Superyacht is truly the very best available, both in finish and performance, anywhere in the world. You shouldn't only expect the best, you should demand it by name. Manson Anchors.



THE MANSON KEDGE

CERTIFIED AS A HIGH HOLDING POWER ANCHOR (HHP)



BIG BOAT ANCHORING AT ITS BEST



Ideal for larger craft, the Manson Kedge is specified by many of the world's finest Superyachts to exacting standards.

- Performs exceptionally well on larger vessels
- Impressive looking in one of the most visible parts on any vessel
- Classed as High Holding Power and tested all around the world
- Flukes and tips offer exceptional holding in a variety of conditions



STANDARD SIZES AVAILABLE - Custom sizes available on request

kg	50	75	100	125	150	175	200	300	400	600	800
lb	112	168	224	280	336	392	448	672	896	1350	1800

THE MANSON ULTIMUS

CERTIFIED AS A HIGH HOLDING POWER ANCHOR (HHP)



COST-EFFECTIVE WORKBOAT AND COMMERCIAL ANCHOR



The Ultimus anchor provides an economical solution for larger vessels. Workboats and commercial vessels that want a robust solution which meets the tougher demands of the seabed.

- Lloyd's Register approved as a High Holding Power (HHP) anchor in size range 50-4300kg
- Can also be certified to all other class societies

STANDARD SIZES AVAILABLE - Custom sizes available on request

kg	50	75	100	125	150	175	200	300	400	600	800
lb	112	168	224	280	336	392	448	672	896	1350	1800

DEPLOYMENT SYSTEMS

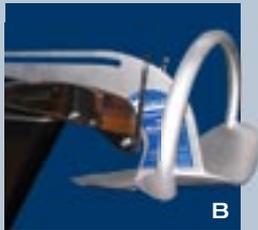
INNOVATIVE ENGINEERING

Manson has engaged Bowmaster to provide a range of tailored bow roller and deployment solutions for the Manson Anchor range. All made from Lloyd's Register approved 316L stainless steel, the rollers have been specifically designed to effectively compliment Manson Anchors, whilst also giving the boat a roller that is built to survive in the harshest of anchoring conditions.



Standard rollers are available for the smaller range plus custom solutions for larger anchors and tailor-made Superyacht deployment systems. Further details are available online at www.bowmaster.co.nz

A. Designed for the Supreme, this roller is available to retrofit or for new builds. It seats the Supreme underneath a bow sprit and is ideally suited to launches. Available in three standard sizes (for 10-80lb) plus larger custom solutions.



B. Typical bow roller with carriage for Supreme applications, or without carriage for use with the Ray and Plough. Hard wearing, solid, robust design. Long life rollers.



C. This carriage is tailored to suit the Ray anchor. It rotates forward and the Ray slides out of it. Most applicable for new builds and can be made to suit any size Ray anchor. A very attractive unit.

SAFE ANCHORING

BEFORE LEAVING THE DOCK

Determine how much anchor line, or rode, you will need. We would recommend that you use a minimum scope of 5:1, meaning that for every metre of water depth, you should use 5 metres of rode. For example, to anchor in 10 metres of water, you would throw out 50 metres of line. Measure the scope as the length of the anchor rode to the height of the bow above the bottom. As the wind increases you will need to use greater scope - in over 20 knots 7:1 should be used and in heavy weather, i.e. 35 knots, a minimum scope of 10:1 is recommended.

IT'S TIME TO SET THE ANCHOR

Never anchor a small boat by the stern! Your engine, and the bulk of the boat's weight rest here. Stern anchoring is likely to result in swamping and flooding.

- Check your chart for bottom characteristics and to determine that you are anchoring in a safe and allowable place.
- If there are rocks, shoals, reefs or other boats to consider, give them all as wide a berth as possible, keeping in mind a possible swing of 360 degrees about the anchor with wind shifts or current changes.
- Secure the bitter end of the anchor line to a bow cleat.
- Make sure the line is ready to run free once tossed overboard.
- Head into the wind or current.
- Reduce speed and reverse the engine.
- When the boat starts to make a slight sternway through the water, lower -- do not throw -- the anchor.
- Tug the anchor line to see how firmly it's set, and then readjust the rode at the bow cleat if necessary.
- Even if anchoring only in designated anchoring areas, it is always prudent to have the appropriate signal such as an all-around white light on to notify other boats that you are anchored at night. During the day you must display a ball shape which is sized according to the size of your boat.

STAYING PUT

It's a good idea to take two immediate bearings. Select two items, one off each beam, that form a natural range and watch for any changes in their relationship. You can check these later to determine if your boat is swinging as expected or if you're dragging anchor.

WATCH OUT!!

COMMON ANCHORING MISTAKES

- Letting the anchor go without securing the line to the boat.
- Letting the anchor go with your foot wrapped in the anchor line.
- Poor communication between the captain and person on the foredeck.

THE RIGHT SETUP

CHOOSING THE CORRECT ANCHOR & TACKLE

For safe anchoring it is important to match the anchor weight to the size of your boat. Choose the right size and length of chain and warp and make sure the combined 'ground tackle' is of the best possible quality.

If in doubt, choose larger sizes. It's worth taking a little more time to retrieve a larger size anchor and chain than running the risk of dragging.

ANCHOR & CHAIN SIZE SELECTION GUIDE														CHAIN LENGTH AND SIZE			
		ANCHOR SIZE (lbs)															
		15	20	25	30	35	40	45	50	60	80	100	125	150	9m	11m	14m
BOAT LENGTH	6m																
	8m																
	10m																
	12m																
	14m																
	16m																
	18m																
	20m																
22m																	

PLUS WARP OF SUFFICIENT THICKNESS AND LENGTH

WARP LENGTH & WIND SPEED		
WIND SPEED	WARP LENGTH	
up to 10 knots	5 times the depth	
up to 35 knots	7 times the depth	
over 35 knots	10 times the depth	

FOR FURTHER INFORMATION

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