

POWER AND SAIL

ANCHORING EXCELLENCE

2014



WINDLASSES, CAPSTANS and ACCESSORIES

MAXWELL



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MAXWELL

For over four decades the name Maxwell has been synonymous with the highest standards of excellence in marine engineering. By providing superior anchoring solutions for pleasure boats, superyachts and commercial vessels, Maxwell has earned a global reputation for quality without compromise. A reputation built upon ongoing research and development, innovation in design and a commitment to style that is unparalleled in the industry. Maxwell has become an industry leader by analysing the needs of boats and boat owners around the world and producing equipment that consistently exceeds customer expectation.

Maxwell Marine has enjoyed a period of expansion and broadened horizons. As a company trusted for delivering on the promise of Anchoring Excellence, Maxwell Marine continues to supply a growing product range.

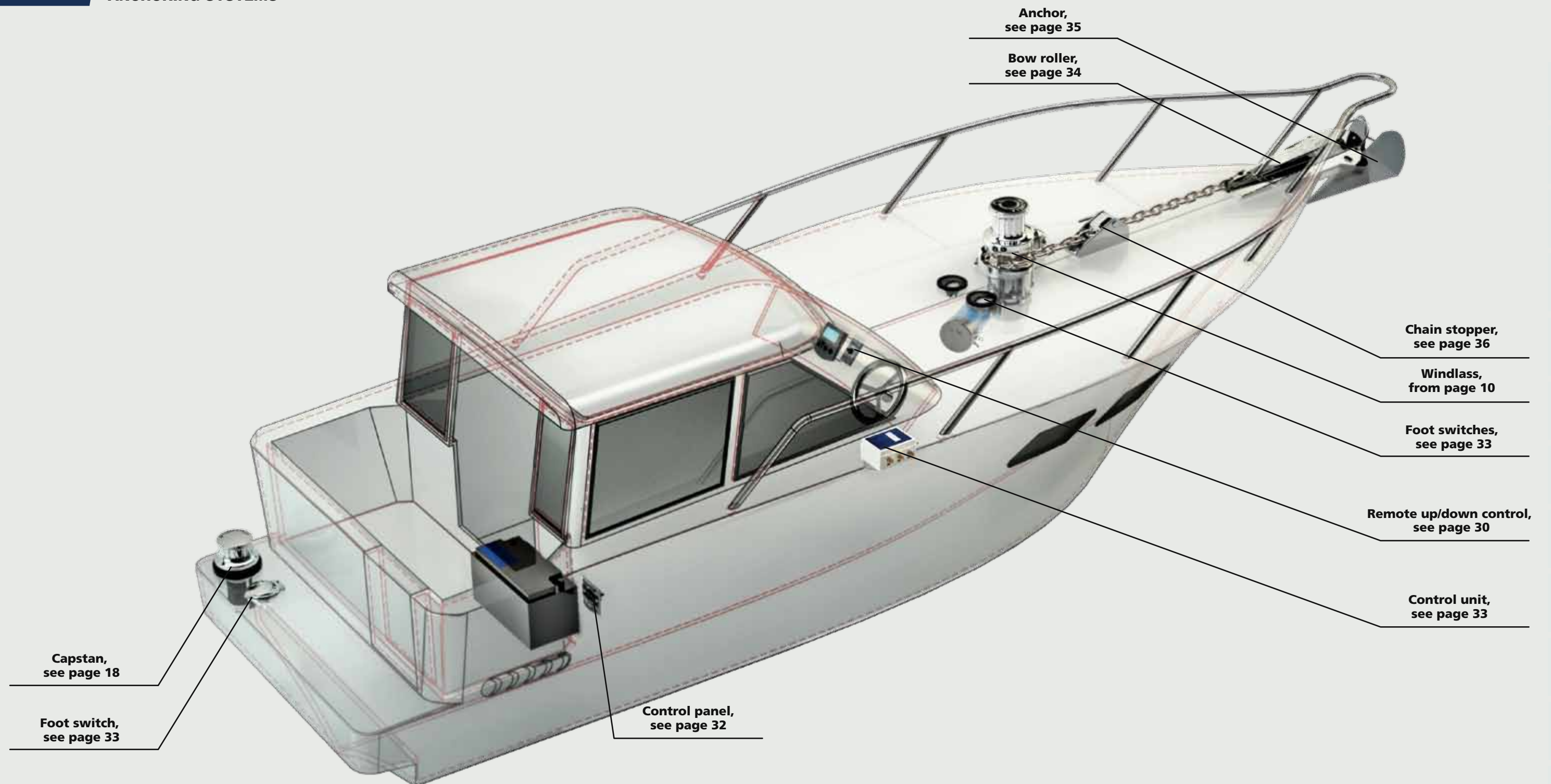
Maxwell Marine is represented by a strong international distribution network, a proven track record and a portfolio of products that are at home on many of the world's finest and most admired boats. The quality of Maxwell Marine products and their performance as a company is assured by its certification under the stringent requirements of ISO9001 and CE. In addition to their head office in Auckland, New Zealand, Maxwell Marine has a separate sales and distribution office in Maryland, USA which services North and South America. All of Australia is covered from Brisbane, Queensland; while distributors and customers in Europe, the Middle East, Asia and Africa are serviced from Schiedam, Holland. An extensive global dealer and service network supports these main centres.

When it comes to securing your investment, selecting the right anchor winch for your vessel is one of the most important decisions you will make. A windlass too small for the job will not only result in frustration when the going gets tough but could ultimately compromise vessel and crew safety. Choosing the right anchor winch is crucial for peace of mind and trouble free boating. Refer to following 2 pages for Maxwell's easy to follow chart and guide to windlass and capstan selection.

Maxwell electric windlasses meet the EMC requirements.



3 year warranty
(In accordance with the MAXWELL warranty and service conditions)



Maxwell Anchoring Solutions

A carefully selected and properly installed anchoring system aboard your boat is of paramount importance in ensuring the safety of your vessel and crew.

There are a number of factors involved in selecting the correct windlass and other ancillary anchoring equipment specifically suited to your type of boat. On the following page (262 & 263) you will find a simple to follow guideline and selection chart to guide you through the windlass and/or capstan selection process.

Every boat is unique and what may be suitable on a 15 metre power boat may not be appropriate for a 15 metre sail boat. If you plan to use an all chain rode you will need to consider options that may be different than if you are using a combination rope/chain rode.

Whether a vertical windlass (with or without optional capstan drum) or a horizontal windlass is your best option, must also be considered. On larger vessels two windlasses (port and starboard) are often installed and these

larger vessels frequently fit stern handling capstans as well.

Ancillary anchoring equipment such as footswitches, helm station controls, rode counters, dual direction solenoids, circuit breaker/isolators, chain stoppers and swivel shackles are other key components of a total anchoring equipment solution. Details regarding all these items will be found on the following pages.

Once you have ascertained and purchased the anchoring equipment which best suits your vessel, proper installation and regular routine servicing are essential for

years of trouble free use. A suitable battery and proper wiring are crucial for optimum performance of your windlass and/or capstan.

Maxwell can provide the ideal anchoring equipment solution for any vessel. Maxwell's world-wide network of distributors and agents offer free and helpful advice should you have any questions.

Alternatively, a wealth of additional information can be found on Maxwell's website: www.maxwellmarine.com.



Maxwell Product Innovation

Maxwell equipment is born of innovation and backed by years of experience in the manufacture of the world's highest quality anchor windlasses, ancillary deck gear and stern handling products.

Maxwell's innovative approach to design resulted in the introduction of automatic rope/chain windlasses to the global marine market during the mid 1990's. These were a radical departure from all other windlasses, revolutionary in design and technical features. Building on the success of these products, Maxwell has recently designed and developed an exciting new RC range of automatic rope/chain windlasses. But it didn't stop there! In 2012, Maxwell released their evolutionary RC12-10 and RC12-12 Vertical Series of rope/chain windlasses, complementing the existing, highly acclaimed RC Series windlasses introduced in 2010.

Maxwell broke the design barriers yet again with the development of a vertical and horizontal rope/chain windlass range incorporating two unique and internationally patented features. The new RC and HRC Series attest to Maxwell's ongoing commitment to innovative design and development.

HRCFF6-7-8

The compact HRCFF6, HRCFF7 and HRCFF8 are Maxwell's horizontal versions of their innovative vertical RC6 and RC8 automatic rope/chain windlasses. Packed with original and proven features, such as automatic 'Free Fall' and including the patented Wave Design™ rode management technology developed by Maxwell, the new HRCFF6, HRCFF7 and HRCFF8 have become industry icons.



Maxwell's Compact Foot Switches



Maxwell has continued to evolve its existing range of proven windlasses and capstans. The RC12 is the culmination of Maxwell's evolution of a full range of automatic rope/chain windlasses suitable for use on vessels from 4.5metres (15 feet) to over 20 metres (65 feet).

Maxwell's ongoing committment to product development can also be seen in the upgrading of their 'traditional' and continually popular vertical VWC Series. Stalwarts since the early nineties, the VWC windlasses were always great performers and now, with advanced engineering features incorporated into their improved designs, they work even better.

Maxwell recognises that boat owners not only want equipment that works flawlessly, they want products that look good as well. To this end, Maxwell designers spend countless hours improving the look, functionality and robustness of all Maxwell products, as well as introducing new and highly innovative products such as the popular HRCFF6, HRCFF7, HRCFF8, HRC10, RC6, RC8, RC10 and RC12 Series.

With an ongoing commitment to excellence, product innovation, research and development, you can count on Maxwell to secure your investment!



RC12

The evolutionary RC12 Series incorporates Maxwell's stylish innovation in automatic rope/chain technology. Retaining the classic open design styling more appropriate on larger boats, the RC12 Series represents the next generation of rope/chain windlass progression in every respect.

HRC10

Maxwell's HRC10 Horizontal Series represents yet another breakthrough in performance and anchor handling excellence. These horizontal, fully automatic rope/chain windlasses have been designed to meet the demands for use on larger vessels up to 16 metres (52 feet), which require a completely above deck installation system. The HRC10's flawlessly handle rope up to 16mm (5/8") and chain up to 10mm (3/8") in size, including the bulky rope to chain splice. The modern appearance of the HRC10 Series retains the classic good looks of previous Maxwell horizontal windlasses, while incorporating design features years ahead of its competitors.

An Introduction to Maxwell's Products

To make the proper selection in anchor-handling equipment it is important to give careful consideration to the style and size of boat, the anticipated anchoring conditions, and the weight and type of ground tackle. (Refer to 'Which Winch' article on page 3). Maxwell has an extensive range of windlasses for all types of ground tackle, bow configurations, locker spaces and power requirements including:

- The vertical stainless steel RC Series and the horizontal HRC Series automatically handle rope/chain combination rodes and are suitable for boats from 4.5 metres (15 feet) up to about 20 metres (65 feet).
- The evolutionary RC12 Series automatically handles rope/chain combination rodes and is suitable for lighter displacement vessels up to approximately 24 metres (80 feet).
- The multipurpose VC (Vertical Capstan) Series, which can be used for all types of line handling.
- The traditional rope and chain VW (Vertical Windlass) Series, designed for manually handling a rope and chain combination anchor rode joined by a conventional shackle and eye splice. The exception being the hybrid VW10, see page (??).
- The VWC (Vertical Windlass/Capstan) and HWC (Horizontal Windlass/Capstan) Series, which handle chain only rodes automatically.

VERTICAL OR HORIZONTAL – MAXWELL OFFERS BOTH

Vertical systems have several advantages: They take up less space on deck and are easier to maintain. They are less expensive than equivalent horizontal models. Chain, or rope/chain, alignment with the bow roller, while not as critical as horizontal windlass alignment, should be within a tolerance of about +/- 2% for smooth retrieval of chain or rope/chain. Rode (rope/chain) alignment with RC Series winches is more critical (consult Owner's Manual). With vertical systems more chain is in contact with the chainwheel thus minimising the possibility of chain jump. Line-pull on the warping drum can be in any direction, as opposed to fore and aft only on horizontal models.

Horizontal models have the advantage of being better suited to applications where there is extreme deck thickness (over 200mm - 8"), limited below deck accessibility or when two anchors must be handled from one winch.

Maxwell rates its anchor winches at the stall load. The loads that the winch will normally be subjected to are substantially less. Each winch is available with a circuit breaker/isolator of appropriate size to provide electrical protection during normal operation of the winch.

Maxwell capstan winches and anchor windlasses, fitted with chromed bronze capstan drums are manufactured with Maxwell's unique and registered MAX-grip™ finish. Units fitted with fluted stainless steel capstan drums equally ensure the best possible grip and control of rope lines or rodes.

Distributed and supported worldwide by an extensive service network.

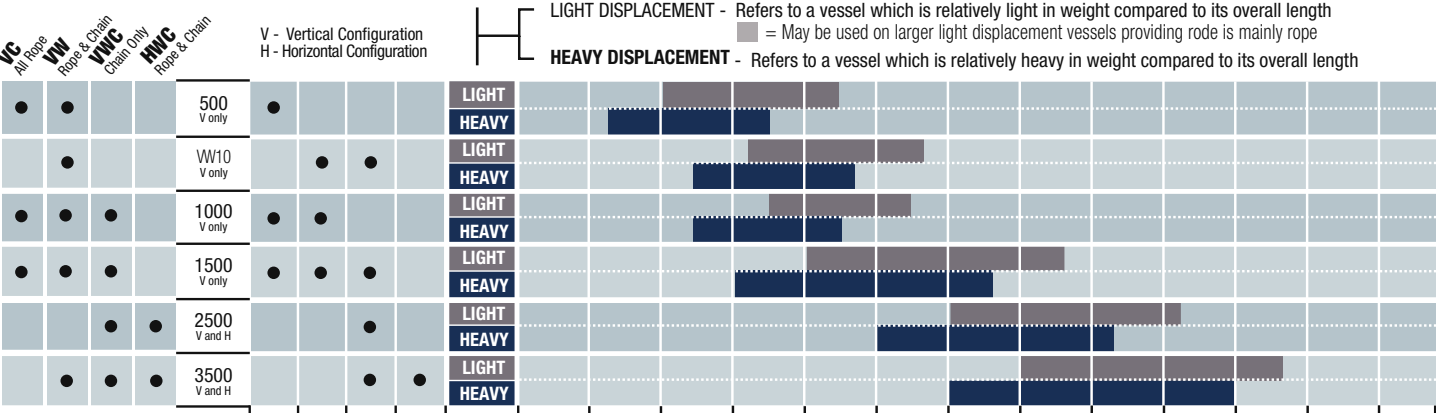
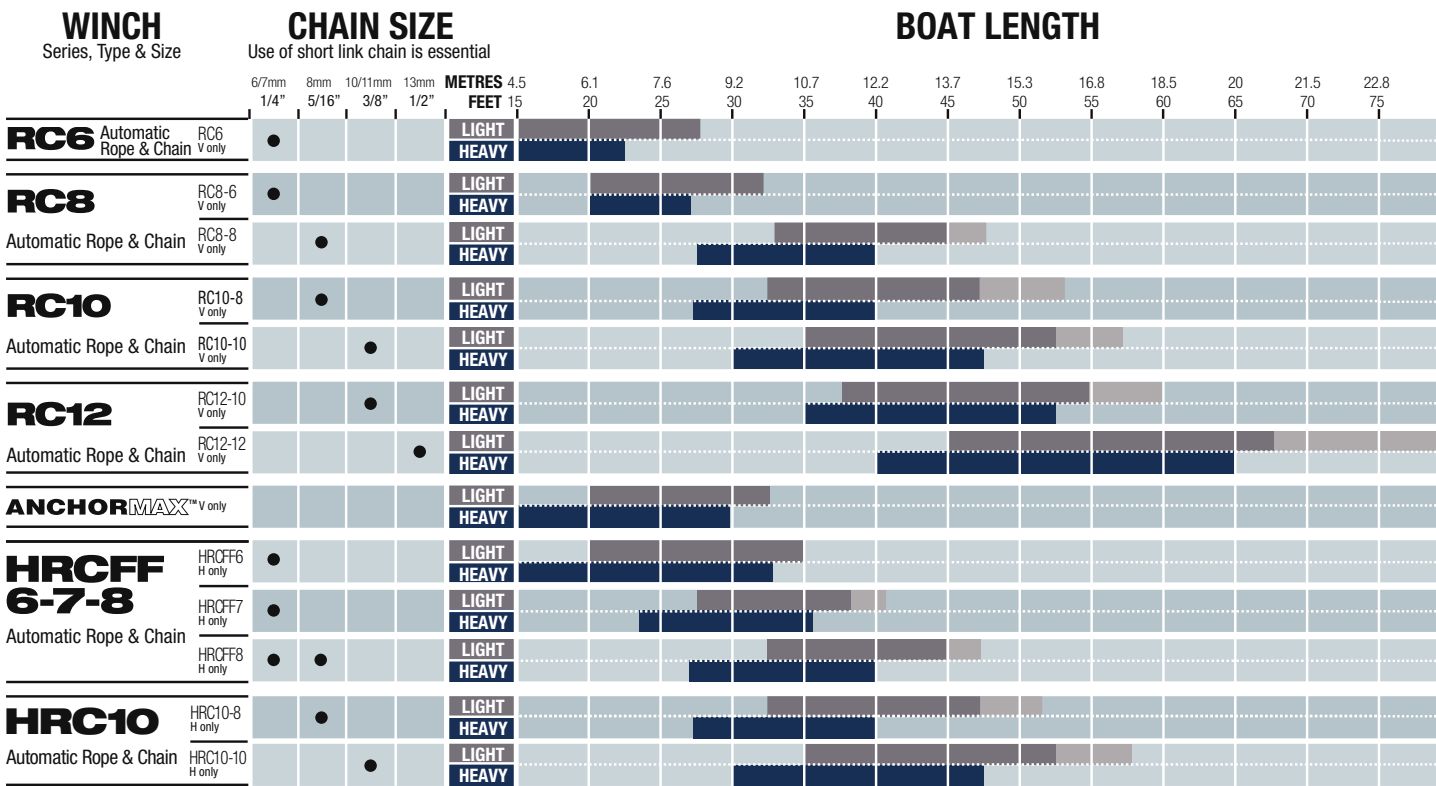


WINDLASS AND CAPSTAN SELECTION CHART

This chart serves as a basic guide to assist in selecting the appropriate anchor winch system for your boat.

Please note: Size, displacement and type of vessel, as well as anchoring conditions, must be taken into consideration when selecting an anchor winch. Vessels of heavy displacement

and/or high windage will require larger windlasses. All systems assume the use of a chain stopper, chain snubber or mooring cleat to remove the load from the winch when setting or breaking the anchor loose. The maximum pulling capacity of the windlass should not be less than three times the total weight of the ground tackle. Should you require any assistance or information, please do not hesitate to contact Maxwell Marine or any one of our distributors or service centres world-wide.



This chart refers to anchor windlass selection only. When selecting a stern capstan for the same boat, Maxwell uses one size smaller drive, or down to a minimum of 50% of the pull rating of the windlass (unless specified otherwise).

WHICH WINCH? (Italicised items - refer to glossary, page ???.)

There are a number of important criteria to be considered in selecting the correct anchor *winch* . These include the vessel size, displacement, windage, anchor size and *rode* selection. Practicalities such as locker space and depth of fall for the rode also play a part in deciding which *windlass* is ideal for you.

Maxwell Marine's range of windlasses and capstans is extensive, with models to suit boats up to 100 metres (over 300 feet). This section aims to simplify the selection process by taking you step by step through all the criteria that needs to be considered when choosing a windlass or capstan.

WHAT SIZE WINDLASS OR CAPSTAN FOR MY BOAT?

Consider the overall length and displacement (either light or heavy) of your boat and use the chart on the opposite page to identify the most suitable windlass or capstan for your vessel.

VERTICAL OR HORIZONTAL CONFIGURATION?

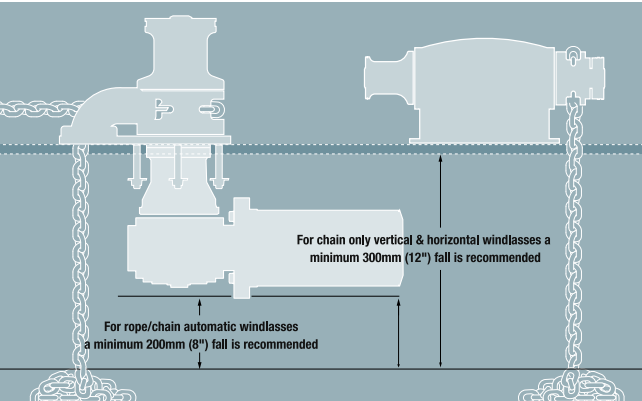
The two basic types of windlasses are differentiated by the drive shaft orientation. Deck thickness and underdeck space are the two main considerations when deciding which of the two types to fit.

Vertical windlasses make up the majority of anchor winch sales. They are characterised by situating the *capstan* and/or *chainwheel* (topworks) above the deck and the motor and gearbox below. Vertical windlasses provide a 180° wrap of the anchor rode around the chainwheel giving optimal chain control, minimising slippage and jumping.

Horizontal windlasses are mounted completely above deck with chainwheel and capstan located to either side. They provide a 90° wrap of the anchor rode around the chainwheel.

HOW MUCH SPACE DO I NEED IN MY CHAIN LOCKER?

Deck thickness and locker space play an important role in deciding whether to install a *vertical* or *horizontal* windlass. Estimating or measuring the depth of fall of the rode into the anchor locker may dictate which type of windlass is most suitable for your vessel. Calculating the depth of fall differs for horizontal chain only windlasses and for vertical chain or rope/chain windlasses (see diagram below).



Recommended minimum fall distances are measured from the top of rode pile (chain or rope/chain) after complete retrieval of the anchor.

RODE SELECTION

Rope and, particularly chain, selection is extremely important. Deciding on the right anchor winch for your boat depends on the size, not only of the boat, but also the ground tackle. Maxwell anchor winches and capstans are designed to take chain only, rope only or a combination of both. Automatic rope/chain systems are now commonly used on boats up to 20 metres (65 feet). Consequently, Maxwell's HRCFF6, HRCFF7, HRCFF8, HRC10, RC6, RC8, RC10 and the evolutionary RC12 automatic rope/chain systems have become increasingly popular, as they offer the added benefit of less weight in the bow with the ability to carry an increased amount of rode. Chain only systems remain popular on heavier displacement sail and motor yachts.

There are two main types of anchor chain. Short link chain is most commonly used

on small and medium sized boats while stud link chain is generally used on much larger vessels such as Superyachts. The latter is characterised by a stud (bar) joining the two sides of the link preventing them from deforming when overloaded. High test or calibrated short link chain should always be used. Long or regular link chain should not be used with anchor windlasses.

There are a wide variety of both metric (mm) and imperial (inches) chain sizes available and these will have bearing on your final windlass decision. It is important that the right size and right grade of chain is used to ensure a correct fit of the links to the chainwheel. If the chain is not matched to the chainwheel problems may occur, such as the chain jumping off the chainwheel or the chain jamming as it will not feed smoothly through the chain pipe.

As chain to chainwheel compatibility is so important, Maxwell Marine supplies chainwheels to fit just about every known chain available on today's international market.

DC, AC OR HYDRAULIC?

The wattage of a DC electric motor is not the important factor. Rather it is the efficiency of the whole winch, including the gearbox and motor, which counts. With the increasing popularity of powerful and compact on-board generators, AC powered winches are becoming a practical consideration for bigger boats. Hydraulic systems provide another power source well worth considering as they have the advantage of constant speed under all load conditions and can be run almost constantly while coupled with safe guards such as pressure relief valves. Modern hydraulic systems offer an integrated, low maintenance and efficient, centrally managed, power pack.

WHAT PULL CAPABILITY WILL I NEED?

The only meaningful way to rate anchor winch performance is by looking at what it will lift and at what speed. The two things to consider are (a) the *maximum pull* capability and (b) the *working load* of the winch. Maximum pull (sometimes referred to as stall load) is the maximum short term or instantaneous pull of the winch. Maximum working load is generally rated at about one third of the maximum pull and is usually considered to be the load that the winch is pulling once the anchor is off the bottom. To determine your required maximum pull capability, complete the calculation below.

1. Calculate ground tackle weight (anchor + chain + rope = ground tackle)

eg: ANCHOR 30kg/66lbs + 18m/60ft CHAIN 45kg/100lbs + 61m/200ft ROPE 12kg/26lbs = **GROUND TACKLE 87kg/192lbs**

2. Calculate the maximum pull (total ground tackle x 3 = Maximum pull)

Safety guidelines suggest that the pulling capacity of the windlass should not be less than 3 times the total weight of the ground tackle.

eg: GROUND TACKLE 87kg/192lbs x 3 = **MAXIMUM PULL 261kg/576lbs**

In this instance an **HRC8, HRC10, RC8, RC10, or WV1000** would be suitable, providing the chain and rope size is applicable to the windlass being considered. The maximum pull of 261kg/576lbs is well within the capability of all these anchor winches.

SAFETY AND SECURITY TIPS

Circuit breaker/isolators are used in the installation of any DC electric windlass to provide protection to motor and cables should the windlass be overloaded. Accessories such as *chain stoppers* or chain snubbers must be used for safe anchoring, the avoidance of unintentional self-launching of the anchor and for the prevention of damage to your anchor winch. You should never anchor off your winch or use your winch to pull your boat to the anchor spot. The anchor winch is designed to lift a dead weight and should not be subjected to the strain of your boat riding at anchor. If you think the winch you are considering may be too small, then go to the next size up. Better to have excess lifting capacity than not enough! Maxwell Marine and their agents or distributors offer free and helpful advice should you have any questions. Alternatively, refer to Maxwell's website: www.maxwellmarine.com





Features and benefits

- The combined stainless steel and chromed bronze RC6 Series utilises 6mm/7mm (1/4") chain spliced to 12mm (1/2") three strand or 8-brait (plait) rope.
- The RC6 features Maxwell's revolutionary, and patented, new Wave Design™ chainwheel. Refer below for more information about this innovative feature.
- Providing most of the features of the larger RC8 (refer pages 8 and 9), the RC6 has been designed with the smaller, trailer boat market in mind.
- The in-line, vertical gearbox and motor means quick and easy installation by either the boat yard or the DIY aftermarket customer.
- An inexpensive, high performance and great looking windlass; the RC6 is built for durability and years of trouble free use.
- The RC6 is a Low Profile unit (no optional capstan drum).

Every Maxwell automatic rope/chain windlass is available with all the necessary components for fully automatic dual direction control in a competitively priced package.

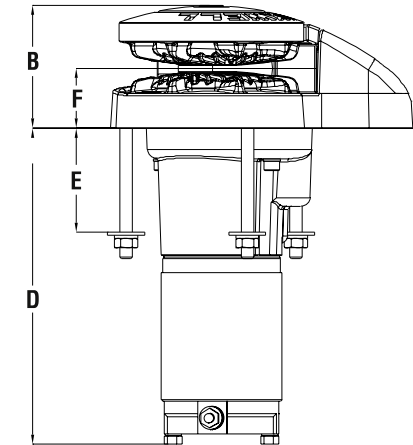
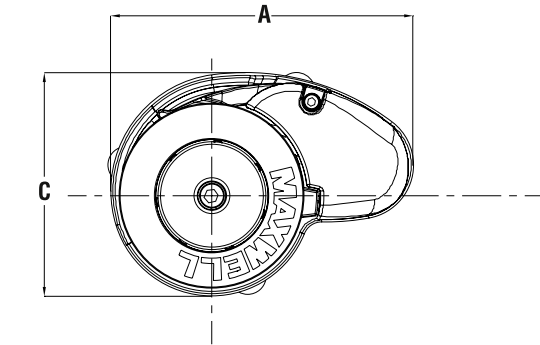
SPECIFICATIONS

Model	RC6
Maximum Pull/Lift	350kg 770lbs
Static Hold	700kg 1540lbs
Chain Short Link	6mm/7mm 1/4"
Rope Size (Nylon)* (3 strand or 8 plait recommended)	12mm 1/2"
Chain Speed (Anchor Retrieval)	24m/min 79ft/min
Rope Speed (Anchor Retrieval)	21m/min 69ft/min
Power Supply (DC)	12 or 24V
Motor Power	500W
Net Weight	8.5kg 18.7lbs

* refer to owners manual for rope size variations.

DIMENSIONS

Model	RC6
A	196mm 7 3/4"
B	80mm 3 3/16"
C	145mm 5 3/4"
D	209mm 8 1/4"
E	65mm 2 1/2"
F	39mm 1 9/16"



RC6



RC6 showing, 'fast install', in-line vertical gearbox and motor

3 YEAR
Limited Warranty

STANDARD EQUIPMENT REQUIRED FOR DUAL DIRECTION CONTROL

- Circuit breaker/isolator panel
- Up/Down remote control panel
- Emergency 'free fall' activation lever
- Dual direction solenoid

OPTIONS

- AutoAnchor™ equipment
- Compact remote control
- Foot switches
- Chain stopper
- Chain snubber

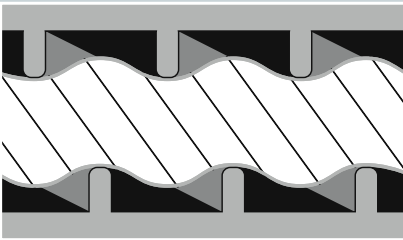
Every Maxwell RC6 automatic rope/chain windlass comes with top works, motor/gear box and dual direction solenoid. Switches and circuit breaker are available and need to be ordered separately. Refer chart on page 34.

Important: Maxwell windlasses must be used in conjunction with a chain stopper and/or alternative snubbing device to take the load off the windlass while laying at anchor. The chain stopper and alternative snubbing system should also be used to secure the anchor in the fully raised position while under way.

MAXWELL'S REVOLUTIONARY NEW CHAINWHEEL

Maxwell once again leads the market in innovative thinking with the introduction of their latest Wave Design™ chainwheel. This patented rope/chain wheel incorporates two unique design concepts that greatly improve the handling and control of the rope/chain spliced rode. The outer ribs of the chainwheel are angled slightly forward ensuring that the rope and the chain are smoothly guided in the wheel during anchor retrieval.

As the rope pulls into the wheel, the opposite facing inner ribs grip the rope in an undulating manner, securing the rope more firmly in a 'wave pattern' action that is far superior to the traditional 'jam cleat' manner of holding the rope as used on all other products on the market. Not only does this Wave Design™ hold the rope more securely, it is also kinder on the rope resulting in increased longevity of your anchor rode.





3YEAR
Limited Warranty



RC8

- Unique spacer tube design allows installation through virtually any common deck thickness and the multiple mounting positions and self aligning gearbox ensure optimal location of gearbox and motor in virtually all installation situations.
- The RC8 features Maxwell's revolutionary, and patented, new Wave Design™ chainwheel. Refer RC6 pages for more information about this innovative feature.
- The heavy duty stainless steel pressure arm is designed to effectively help grasp the rope/chain splice, giving the RC8 an unparalleled level of performance. In combination with a heavy duty, large wire diameter, stainless steel pre-loaded spring, the pressure arm always exerts maximum control pressure.
- The RC8 works just as effectively with all-chain rodes.
- Huge, through deck hawse pipe throat ensures easy entry of the rope/chain rode into and out of the anchor locker.
 - Full disassembly capability of the topworks utilising only the handle provided and an Allen key.
 - Manual override and 'Free Fall', using the emergency crank/clutch handle provided.
 - Sealed oil bath and marine-grade hard anodised, alloy gearbox provides maximum output via a precision worm and worm wheel.

SPECIFICATIONS

Model	RC8-6 (6/7mm-1/4")	RC8-8 (8mm-5/16")
Maximum Pull/Lift	350kg 770lbs	600kg 1320lbs
Static Hold	1200kg 2640lbs	1200kg 2640lbs
Chain Short Link	6mm/7mm 1/4"	8mm 5/16"
Rope Size (Nylon)* (3 strand or 8 plait recommended)	12mm 1/2"	14mm 9/16"
Chain Speed (Anchor Retrieval)	28m/min 92ft/min	32m/min 105ft/min
Rope Speed (Anchor Retrieval)	24m/min 79ft/min	28m/min 92ft/min
Power Supply (DC)	12 or 24V	12 or 24V
Motor Power	600W	1000W
Net Weight	12.5kg 27.5lbs	16.5kg 36.3lbs

* refer to owners manual for rope size variations.

DIMENSIONS

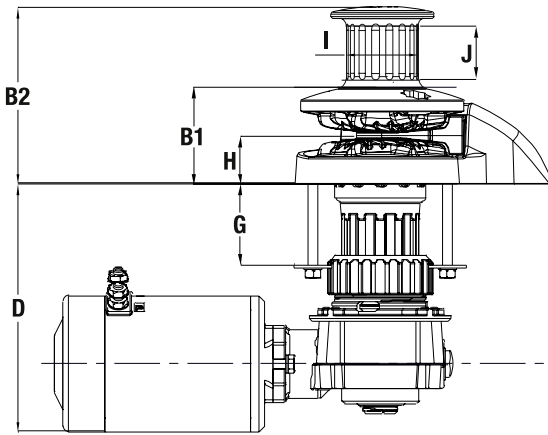
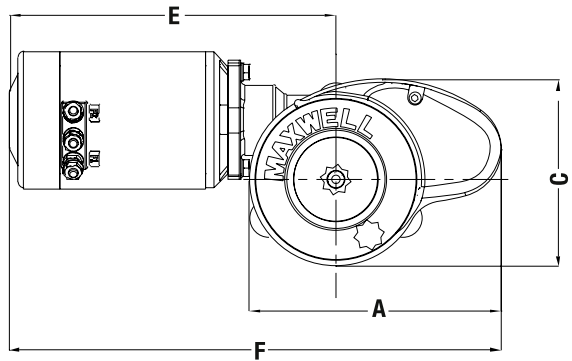
Both Models	RC8 (6/7mm-1/4")	RC8 (8mm-5/16")
A	210mm 8 5/16"	210mm 8 5/16"
B1	83mm 3 5/16"	83mm 3 5/16"
B2 (with Capstan)	146mm 5 3/4"	146mm 5 3/4"
C	156mm 6 3/16"	156mm 6 3/16"
D	200mm 7 7/8"	208mm 8 1/4"
E	245mm 9 5/8"	272mm 10 3/4"
F	383mm 15"	410mm 16 1/4"
G (Std deck clearance) ^	65mm 2 1/2"	65mm 2 1/2"
H	40mm 1 5/8"	40mm 1 5/8"
I	66mm 2 5/8"	66mm 2 5/8"
J	44mm 1 3/4"	44mm 1 3/4"

^ extra deck clearance models available. Contact your Maxwell dealer.

RC8

Vertical Rope/Chain Series
RC8-6 • RC8-8

The combined stainless steel and chromed bronze RC8 Series of automatic rope/chain anchor winches are Maxwell's mid-range additions to the highly successful RC Series Windlass Range.



Features and benefits

- The combined stainless steel and chromed bronze RC8-6 fully automatic rope/chain windlass is designed to effortlessly retrieve and deploy 6mm/7mm (1/4") chain spliced to 12mm (1/2") three strand or 8-brait (plait) rope.
- The more powerful RC8-8 can be used with 8mm (5/16") chain spliced to 14mm three strand or 8-plait rope.
- The ingenious Wave Design™ rope/chain gypsy (chainwheel) is able to accommodate a wide range of chain pitch differences within the specified chain size diameters suitable for use with the RC8 Series.
- A sleek, Low Profile version and a fluted stainless steel capstan drum version, are available.
- Simple two piece installation saves time and money and allows easy retrofitting without disassembly of the windlass.



RC8 Capstan Version

STANDARD EQUIPMENT REQUIRED
FOR DUAL DIRECTION CONTROL

- Circuit breaker/isolator panel
- Dual direction solenoid pack
- Up/Down remote control panel
- Emergency crank/clutch release handle

OPTIONS

- AutoAnchor™ equipment
- Compact remote Control
- Capstan model
- Foot switches
- Chain stopper or chain snubber

Every Maxwell RC8 automatic rope/chain windlass comes with top works, motor/gear box and dual direction solenoid. Switches and circuit breaker are available and need to be ordered separately. Refer chart on page 34.

Every Maxwell automatic rope/chain windlass is available with all the necessary components for fully automatic dual direction control in a competitively priced package.

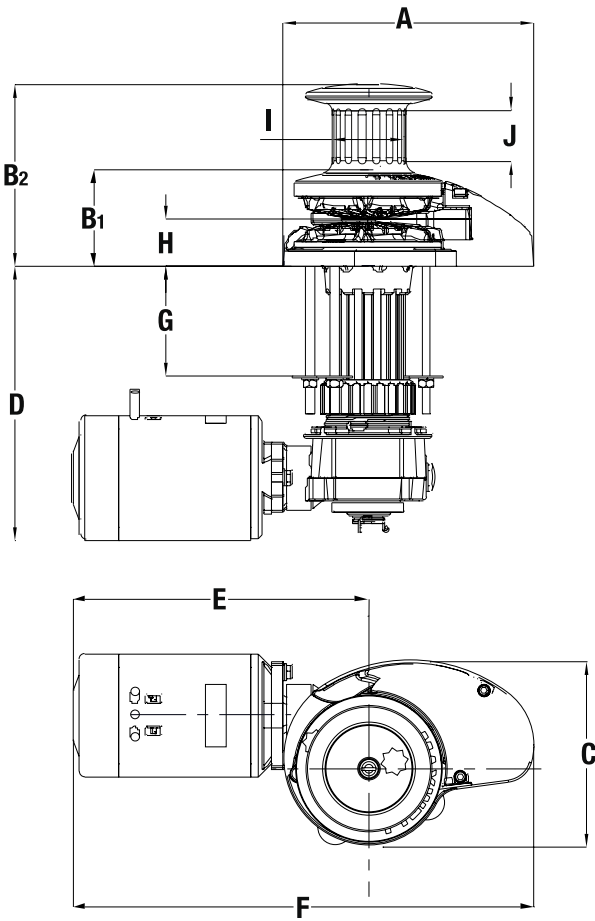
Important: Maxwell windlasses must be used in conjunction with a chain stopper and/or alternative snubbing device to take the load off the windlass while laying at anchor. The chain stopper and alternative snubbing system should also be used to secure the anchor in the fully raised position while under way.



Simple two piece installation

RC8 with gearbox and motor

The combined stainless steel and chromed bronze RC10 Series windlasses are Maxwell's upper mid-range additions to the highly successful new RC Series Windlass Range.



SPECIFICATIONS

Model	RC10-8 (8mm-5/16")	RC10-10 (10mm-3/8")
Maximum Pull/Lift	700kg 1540lbs	850kg 1870lbs
Static Hold	1500kg 3300lbs	1500kg 3300lbs
Chain Short Link	8mm 5/16"	10mm 3/8"
Rope Size (Nylon)* (3 strand or 8 plait recommended)	14mm 9/16"	16mm 5/8"
Chain Speed (Normal Working load)	24m/min 79ft/min	24m/min 79ft/min
Rope Speed (Normal Working load)	20m/min 65ft/min	20m/min 65ft/min
Power Supply (DC)	12 or 24V	12 or 24V
Motor (Watts)	1000W	1200W
Net Weight	19kg 42lbs	20kg 44lbs

* refer to owners manual for rope size variations.

DIMENSIONS

Model	RC10 (8mm-5/16")	RC10 (10mm-3/8")
A	230mm 9 1/8"	230mm 9 1/8"
B1	89mm 3 1/2"	89mm 3 1/2"
B2 (with capstan)	168mm 6 5/8"	168mm 6 5/8"
C	170mm 6 3/4"	170mm 6 3/4"
D	251mm 10"	251mm 10"
E	272mm 10 3/4"	272mm 10 3/4"
F	424mm 16 3/4"	424mm 16 3/4"
G (Std deck clearance) ^	100mm 4"	100mm 4"
H	43mm 1 3/4"	43mm 1 3/4"
I	66mm 2 5/8"	66mm 2 5/8"
J	44mm 1 3/4"	44mm 1 3/4"

^ extra deck clearance models available. Contact your Maxwell dealer.

Important: Maxwell windlasses must be used in conjunction with a chain stopper and/or alternative snubbing device to take the load off the windlass while laying at anchor. The chain stopper and alternative snubbing system should also be used to secure the anchor in the fully raised position while under way.



Features and benefits

- The combined stainless steel and chromed bronze RC10-8 fully automatic windlass series is designed to effortlessly retrieve and deploy 8mm (5/16") short link chain spliced to 14mm (9/16") three strand or 8-brait (plait) rope.
- The more powerful RC10-10 can be used with 10mm (3/8") chain spliced to 16mm (5/8") three strand or 8-brait (plait) rope.
- A sleek, Low Profile version and a fluted stainless steel capstan drum version, are available.
- Simple two piece installation saves time and money and allows easy retrofitting without disassembly of the windlass. Unique spacer tube design allows installation through virtually any common deck thickness and the multiple mounting positions and self aligning gearbox ensure optimal location of gearbox and motor in virtually all installation situations.
- Full disassembly capability of the topworks utilising only the handle provided and an Allen key.
- The RC10 is manufactured from marine-grade 316 stainless steel and chromed bronze for long term durability. The heavy duty stainless steel pressure arm, coupled with the unique rope/chain chainwheel, is designed to effectively grasp the splice between rope and chain, giving the RC10 an unparalleled level of performance.
- In combination with a heavy duty, large wire diameter, stainless steel pre-loaded spring, the pressure arm exerts maximum control pressure on the rode and splice.
- The RC10 works just as effectively with all chain rodes for those who desire a Low Profile, elegantly styled windlass on their foredeck.
- Huge, through deck hawse pipe throat ensures easy entry of the rope/chain rode into and out of the anchor locker.
- Cone type clutch/brake mechanism permits manual, 'Free Fall' anchoring.
- Sealed oil bath and marine-grade hard anodised, alloy gearbox provides maximum output via a precision worm and worm wheel.



RC12
Vertical Rope/Chain Series
RC12-10 • RC12-12

The RC12 Series incorporates Maxwell’s latest stylish innovation in automatic rope/chain windlass technology. Retaining the classic open design styling more appropriate on larger boats, the RC12-10 and RC12-12 represent the next generation of rope/chain windlass evolution in every respect.



RC12 Capstan Model

3 YEAR
Limited Warranty



RC12 Low Profile Model

Features and benefits

- The RC12 fully automatic windlass series is designed to effortlessly retrieve and deploy 10mm/11mm (3/8”) short link chain and 16mm (5/8”) to 20mm (3/4”) three strand or 8-Plait rope (RC12-10) and 12mm/13mm (1/2”) short link chain and 16mm (5/8”) to 20mm (3/4”) three strand or 8-Plait rope (RC12-12).
- With a maximum pull of 1590 kg (3500 lb), and an anchor retrieval rate of 15m/min (50ft/min), the RC12-12 is one of the fastest and most powerful windlasses in its class.
- A sleek, Low Profile version and a fluted stainless steel capstan drum version, are available.
- The all new RC12 is packed with patented innovative features combined with Maxwell’s traditionally classic aesthetics, but reflecting the modern “form follows function” of the highly successful RC6, RC8 and RC10 series windlasses.
- The elegantly designed deckplate and chainpipe cover are manufactured in polished marine-grade 316 stainless steel, as are the heavy duty pressure arm, stripper, chainwheel and fluted capstan drum.
- The huge, through deck hawse pipe throat ensures easy entry of the rope/chain rode into and out of the anchor locker.
- Double cone-type brake/clutch mechanism permits ‘Free Fall’ anchoring. Cone clutches, unlike dog clutches, provide smooth progressive engagement, ensuring safe and precise operator control.
- The RC12 features Maxwell’s revolutionary and patented new Wave Design™ chainwheel. Refer to RC6 page for more information about this innovative feature.
- Emergency manual retrieval is made simple and easy with Maxwell’s unique “Active Latch Ratchet System” operation that prevents backwind of the windlass during manual hauling of the anchor.
- The Maxwell designed, all new and innovative black, hard anodised gearbox provides numerous advantages:
 - Fast and easy windlass installation
 - More corrosion resistant
 - Easy to maintain and service
 - Takes up less room in the anchor locker
 - 75:1 Ratio (RC12-10) or 100:1 Ratio (RC12-12), single stage design with less moving parts, for smoother and quieter operation
 - Allows for optimal multi-positioning of the gearbox/motor.

SPECIFICATIONS

Model	RC12-10 (10/11mm-3/8")	RC12-12 (12/13mm-1/2")
Maximum Pull/Lift	1134kg 2500lbs	1590kg 3500lbs
Static Hold	2200kg 4840lbs	2200kg 4840lbs
Chain Short Link**	10/11mm 3/8"	12/13mm 1/2"
Rope Size (Nylon)** (3 strand or 8 plait recommended)	16-20mm 5/8-3/4"	16-20mm 5/8-3/4"
Chain Speed (at normal working load)	24m/min 79ft/min	15m/min 50ft/min
Rope Speed (at normal working load)	20m/min 65ft/min	13m/min 43ft/min
Power Supply (DC)	12V or 24V	12V or 24V
Motor Power	1200W	1200W
Net Weight - DC (Capstan version)	32kg 71lbs	32kg 71lbs
Net Weight - DC (Low Profile version)	29kg 64lbs	29kg 64lbs
Hydraulic Pressure	138bar 2000PSI	138bar 2000PSI
Hydraulic Flow	42 l/min 11USgal/min	42 l/min 11USgal/min
Net Weight - Hyd (Low Profile) (Capstan version)	23kg/51lbs 26kg/57lbs	23kg/51lbs 26kg/57lbs

** When ordering please specify your specific rope and chain, combination rode

STANDARD EQUIPMENT REQUIRED
FOR DUAL DIRECTION CONTROL

Circuit breaker/isolator panel
Dual direction solenoid pack
Up/Down remote control panel
Clutch release handle
Emergency (manual) retrieval handle

OPTIONS

Foot switches
Extra deck clearance kit
AutoAnchor™ equipment
Compact remote control
Chain Stopper
Chain Snubber

Every Maxwell RC12 automatic rope/chain windlass comes with top works, motor/ gear box and dual direction solenoid. Switches and circuit breaker are available and need to be ordered separately. Refer chart on page 34.

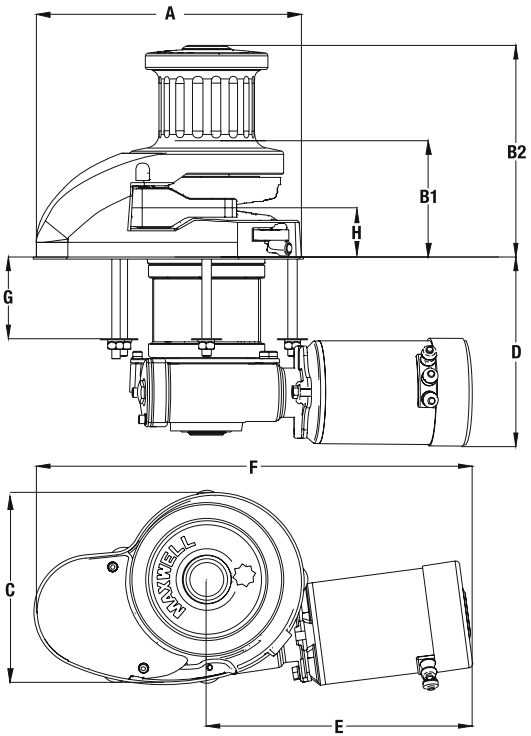
Activation of the ratcheted mechanism lever ensures the windlass can not backwind during emergency (manual) retrieval of the rode (rope and/or chain) and anchor.



Important: Maxwell windlasses must be used in conjunction with a chain stopper and/or alternative snubbing device to take the load off the windlass while laying at anchor. The chain stopper and alternative snubbing system should also be used to secure the anchor in the fully raised position while under way.

DIMENSIONS

Model	RC12 (10/11mm-3/8")	RC12 (12/13mm-1/2")
A	293mm 11 5/8"	293mm 11 5/8"
B¹ (Low Profile version)	128mm 5 1/8"	128mm 5 1/8"
B² (Capstan version)	233mm 9 1/4"	233mm 9 1/4"
C	206mm 8 1/8"	206mm 8 1/8"
D (Std deck clearance)	210mm 8 3/8"	210mm 8 3/8"
E	294mm 11 5/8"	294mm 11 5/8"
F	482mm 19"	482mm 19"
G (Std deck clearance)	90mm 3 5/8"	90mm 3 5/8"
H	54mm 2 1/4"	54mm 2 1/4"
I	106mm 4 1/4"	106mm 4 1/4"
J	62mm 2 1/2"	62mm 2 1/2"



Every Maxwell automatic rope/chain windlass is available with all the necessary components for fully automatic dual direction control in a competitively priced package.

VC500



ANCHORMAX™



Features and benefits

An extremely versatile vertical capstan or general purpose electric winch for use as an anchor winch, pot hauler or davit winch.

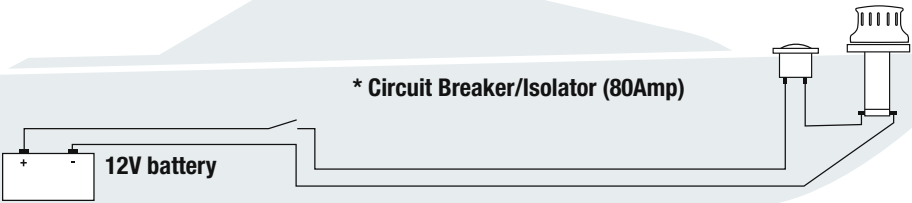
The ANCHORMAX™ has an extremely high power to weight ratio. The compact, fully sealed gearbox is driven by a vertically mounted, permanent magnet motor. Intrusion below decks is minimised making the design ideal for boats from 5m (16ft) to 10m (32ft). Fitting to the boat is simplicity itself as no dismantling of the winch is required.

The ANCHORMAX™ gear housings are marine-grade alloy and the drum is stainless steel. It is supplied as a single direction unit, complete with deck foot switch, fastenings, template and fitting instructions.

The ANCHORMAX™ is not recommended for use to haul halyards. The ANCHORMAX™ is not recommended for use to haul chain.

All standard and optional control accessories can be found on pages 26-29.

* Circuit Breaker/Isolator (80Amp)

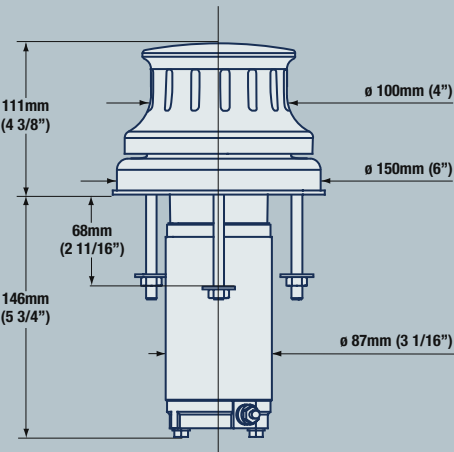


*Not supplied with but recommended

3YEAR
Limited Warranty

ANCHORMAX SPECIFICATIONS

Maximum Line Pull/Lift	386kg (850lbs)
Speed @ nominal working load (80amps with 100kg/220lb load)	24m/min (76' per min)
Voltage	12V or 24V
Power	500W
Weight	8kg (17.6lbs)
Maximum Boat LOA	10m (33')
Maximum Boat Weight	4 tonnes



The NEW stainless steel fluted capstan VC Series is designed for simple, low cost anchor recovery on smaller boats and rope hauling on larger vessels.

Features and benefits

- Vertical design suits smaller powerboats or sailboats and can be utilised for anchor rodes, as a docking capstan on larger craft, or auxiliary line hauling from any direction.
- High quality, hard wearing stainless steel above deck components.
- Functional rope hauling from any direction using fluted, snag-free warping drum for positive control of all ropes.
- Simplified through deck installation by modular design and precise alignment of gearbox to the topworks.
- Alternative gearbox/motor positions accommodate virtually all installation situations.
- Compact, reliable gearbox, made of corrosion resistant materials.
- Anodized aluminium gearbox and spacer on VC500 and VC1000 models.
- Heavy duty, dual direction motors, designed for marine winches.
- Easily disassembled for servicing.
- Can be mounted horizontally for use as a pot hauler or davit winch.

STANDARD EQUIPMENT REQUIRED FOR SINGLE DIRECTION CONTROL

Circuit breaker/isolator panel (supplied with DC units only)

Foot switch (supplied with DC units only)

OPTIONS

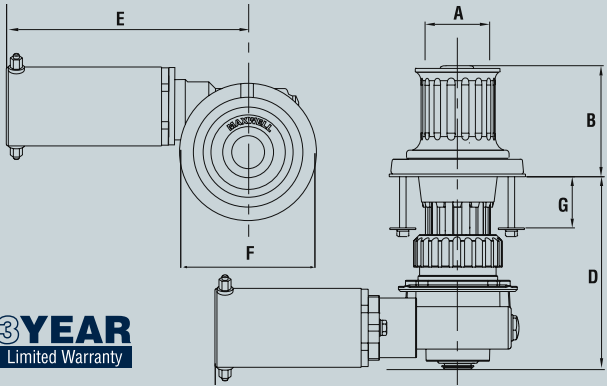
Extra deck clearance

Hydraulic motor*

All standard and optional control accessories can be found on pages 26-29.



VC500



3YEAR
Limited Warranty

SPECIFICATIONS

Model	500	1000
Maximum Pull/Lift	300kg 660lbs	700kg 1540lbs
Static Hold	Not Valid Not Valid	Not Valid Not Valid
Line Speed (Normal Working)	18m/min 60ft/min	20m/min 65ft/min
Power Supply (DC)	12 or 24V	12 or 24V
Motor (Watts)	600W	1000W
Net Weight (Electric)	10kg 22lbs	18kg 40lbs
Hydraulic Pressure	*N/A *N/A	100bar 1450psi
Hydraulic Flow	*N/A *N/A	20l/min 5.3USgal/min
Net Weight - Hyd	*N/A *N/A	11kg 24lbs

DIMENSIONS

Model	500	1000
A	65mm 2 9/16"	80mm 3 1/8"
B	106mm 4 3/16"	122.5mm 4 27/32"
D (Std deck clearance)	173mm 6 7/8"	252mm 9 15/16"
E	245mm 9 5/8"	272mm 10 3/4"
F	132.5mm 5 7/32"	160mm 6 5/16"
G (Std deck clearance) OR**	57mm 2 1/4"	100mm 4"
G (Extra deck clearance) ^	N/A N/A	150mm 6"
H	37.5mm 1 7/16"	44mm 1 3/4"

**For VC1000 a shorter deck clearance version is also available at 50mm (2")

^ A deck clearance increase will also increase the 'D' measurement by the same increment.



3 YEAR
Limited Warranty

Features and benefits

- Provides the versatility of operating two anchors from one winch.
- Functional rope hauling using independent warping drum with clutch disengagement of chainwheel for positive control of all ropes.
- Permits use of traditional shackle and thimble rope and chain connection.
- Allows alternative mounting horizontally on a fore and aft bulkhead inside chain locker for below deck installation.
- High-quality finish on above deck components, manufactured from marine grade 316 stainless steel and chromed bronze, for long term durability.
- Cone type brake/clutch mechanism permits manual ‘Free Fall’ anchoring. Cone clutches, unlike dog clutches, provide smooth progressive engagement ensuring safe operator control.
- Chainwheel locking pawl (except on VW500 & VW10).
- Simplified through deck installation by modular design and precise alignment of gearbox to the topworks utilising marine-grade stainless steel bolts.
- Anodized aluminium gearbox and spacer on 500, 1000 and 1500 models. Marine-grade alloy gearbox housing, finished with a two coat paint system on 2500 and 3500 models.
- Heavy duty, dual direction motor, designed for marine winches.
- Easily disassembled for servicing.

STANDARD EQUIPMENT REQUIRED
FOR SINGLE DIRECTION CONTROL

- Circuit breaker/isolator panel
- Foot switches
- Chainwheel to suit chain sizes specified
- Emergency crank handle/clutch control lever (VW500 with clutch control lever only)

OPTIONS

- | | |
|------------------------------|---------------------------------|
| Additional foot switches | Up/Down remote control panel |
| Dual direction solenoid pack | Extra deck clearance kit |
| Chain stopper* | AutoAnchor™ equipment |
| Chain snubber | Hydraulic motor (except on 500) |

All standard and optional control accessories can be found on pages 26-29.

Vertical Windlass **VW** SERIES
500 • VW10 • 1000 • 1500
• 2500 • 3500

The VW Series of anchor winches are designed for traditional rope and chain combination anchor rode, where manual transfer of the rode from the rope warping drum to the chainwheel is required

SPECIFICATIONS

MODEL	500*	VW10 8mm (5/16")	VW10 10mm (3/8")	1000	1500	2500	3500
Maximum Pull/Lift	227kg 500lbs	700kg 1540lbs	850kg 1870lbs	700kg 1540lbs	850kg 1870lbs	1135kg 2500lbs	1590kg 3500lbs
Static Hold	600kg 1320lbs	1500kg 3300lbs	1500kg 3300lbs	1500kg 3300lbs	1500kg 3300lbs	2200kg 4840lbs	2200kg 4840lbs
Chain Short Link	6/7mm 1/4"	8mm 5/16"	10mm 3/8"	6-10mm 1/4" -3/8"	6-10mm 1/4" -3/8"	9-11mm 5/16" -3/8"	10-13mm 3/8" -1/2"
Line Speed** (Normal Working)	18m/min 59ft/min	24m/min 79ft/min	24m/min 79ft/min	18m/min 59ft/min	18m/min 59ft/min	15m/min 50ft/min	15m/min 50ft/min
Power Supply (DC)	12 or 24V	12 or 24V	12 or 24V	12 or 24V	12 or 24V	12 or 24V	12 or 24V
Motor (Watts)	600W	1000W	1200W	1000W	1200W	1200W	1200W
Net Weight (Electric)	10kg 22lbs	19kg 42lbs	20kg 44lbs	22kg 50lbs	22kg 50lbs	38kg 84lbs	48kg 105lbs
Hydraulic Pressure	N/A N/A	N/A N/A	N/A N/A	100bar 1450psi	138bar 2000psi	138bar 2000psi	138bar 2000psi
Hydraulic Flow	N/A N/A	N/A N/A	N/A N/A	20 l/min 5.3USgal/min	20 l/min 5.3USgal/min	36 l/min 9.5USgal/min	42 l/min 11USgal/min
Net Weight (Hyd)	N/A N/A	N/A N/A	N/A N/A	15kg 34lbs	15kg 34lbs	32kg 70lbs	40kg 88lbs

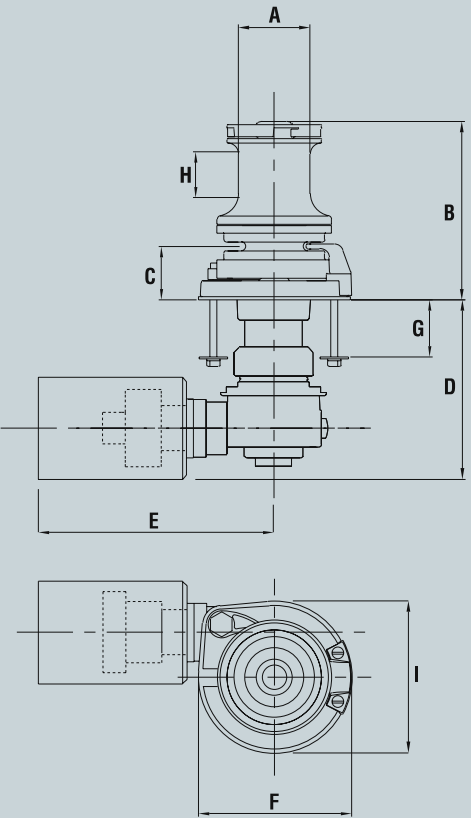
* Available USA only.
** Winch performance when hauling rope with capstan. Chain speed may vary depending on size of chain and gypsy.

DIMENSIONS

MODEL	500	VW10-8	VW10-10	1000	1500	2500	3500
A	65mm 2 9/16"	66mm 2 5/8"	66mm 2 5/8"	80mm 3 1/8"	80mm 3 1/8"	94mm 3 11/16"	110mm 4 5/16"
B	151mm 6"	168mm 6 5/8"	168mm 6 5/8"	198mm 7 3/4"	198mm 7 3/4"	251mm 9 15/16"	280mm 11 1/8"
C	40mm 1 5/8"	43mm 1 3/4"	43mm 1 3/4"	59mm 2 3/8"	59mm 2 3/8"	80mm 3 5/32"	83mm 3 9/32"
D	173mm 6 7/8"	252mm 10"	252mm 10"	252mm 10"	252mm 10"	219mm 8 5/8"	234mm 9 1/4"
E	244mm 9 5/8"	272mm 10 3/4"	272mm 10 3/4"	272mm 10 3/4"	272mm 10 3/4"	281mm 11 1/8"	281mm 11 1/8"
F	133mm 5 1/4"	172mm 6 7/8"	172mm 6 7/8"	165mm 6 1/2"	165mm 6 1/2"	190mm 7 1/2"	270mm 10 5/8"
G (Std deck clearance)**	57mm 2 1/4"	100mm 4"	100mm 4"	100mm 4"	100mm 4"	85mm 3 11/32"	100mm 4"
G (Extra deck clearance) ^	N/A N/A	N/A N/A	N/A N/A	150mm 6"	150mm 6"	190mm 7 1/2"	205mm 8 1/8"
H (Working height of drum for rope warping)	37.5mm 1 1/2"	44mm 1 3/4"	44mm 1 3/4"	44mm 1 3/4"	44mm 1 3/4"	33mm 1 5/16"	55mm 2 1/4"
I	133mm 5 1/4"	140mm 5 5/8"	140mm 5 5/8"	165mm 6 1/2"	165mm 6 1/2"	194mm 7 5/8"	270mm 10 5/8"

**For VW1000 and VW1500 shorter deck clearance version also available at 50mm (2")
^ A deck clearance increase will also increase the ‘D’ measurement by the same increment.

***Important:** Maxwell windlasses must be used in conjunction with a chain stopper and/or alternative snubbing device to take the load off the windlass while laying at anchor. The chain stopper and alternative snubbing system should also be used to secure the anchor in the fully raised position while under way.





NORDHAVEN



3 YEAR
Limited Warranty

STANDARD EQUIPMENT REQUIRED
FOR SINGLE DIRECTION CONTROL

- Circuit breaker/isolator panel
- Foot switches
- Chainwheel to suit chain sizes specified
- Emergency crank handle and clutch control lever

***Important:** Maxwell windlasses must be used in conjunction with a chain stopper and/or alternative snubbing device to take the load off the windlass while laying at anchor. The chain stopper and alternative snubbing system should also be used to secure the anchor in the fully raised position while under way.

OPTIONS

- Additional foot switches
- Chain stopper*
- Up/Down remote control panel
- Dual direction solenoid pack
- Extra deck clearance kit
- AutoAnchor™ equipment
- Compact remote control
- Roving remote control
- Hydraulic motor

All standard and optional control accessories can be found on pages 26-29.



WVC3500 Low Profile configuration

Features and benefits

- Fully automatic single or dual direction chainwheel operation.
- High-quality finish on above deck components, manufactured from marine grade 316 stainless steel and chromed bronze, for long term durability.
- Integral chain pipe and stripper are aligned for virtually jam-free operation providing automatic feed of chain into and out of the anchor locker.
- Port and starboard chain pipes for twin installations. (Sizes 2500 and above only.)
- Cone-type brake/clutch mechanism permits manual ‘free fall’ anchoring. Cone clutches, unlike dog clutches, provide smooth progressive engagement ensuring safe and precise operator control.
- Chainwheel locking pawl.
- Optional Band Brake available for 3500 series unit.
- Clutch disengagement of the chainwheel enables independent rope hauling from any direction, using the Max-grip™ snag-free warping drum for positive control of all ropes.
- Simple through deck installation by modular design and precise alignment of gearbox to the topworks utilising marine-grade stainless steel bolts.
- Anodized aluminium gearbox and spacer tube on all models.
- Heavy duty, dual direction motor, designed for marine winches.
- Low Profile configurations (no warping drum) are available.

SPECIFICATIONS

MODEL	1000	1500	2500	3500
Maximum Pull/Lift	700kg 1540lbs	850kg 1870lbs	1135kg 2500lbs	1590kg 3500lbs
Static Hold	1500kg 3300lbs	1500kg 3300lbs	2200kg 4840lbs	2200kg 4840lbs
Chain Short Link	6-10mm 1/4" - 3/8"	6-10mm 1/4" - 3/8"	9-11mm 5/16" - 7/16"	10-13mm 3/8" - 1/2"
Line Speed (Normal Working)	18m/min 60ft/min	18m/min 60ft/min	15m/min 50ft/min	15m/min 50ft/min
Power Supply (DC)	12 or 24V	12 or 24V	12 or 24V	12 or 24V
Motor (Watts)	1000W	1200W	1200W	1200W
Net Weight - DC	24kg 52lbs	24kg 52lbs	38kg 84lbs	48kg 106lbs
Hydraulic Pressure	100bar 1450PSI	138bar 2000PSI	138bar 2000PSI	138bar 2000PSI
Hydraulic Flow	20 l/min 5.3USgal/min	20 l/min 5.3USgal/min	36 l/min 9.5USgal/min	42 l/min 11USgal/min
Net Weight - Hyd	17kg 37lbs	17kg 37lbs	32kg 70lbs	40kg 88lbs

DIMENSIONS

MODEL	1000	1500	2500	3500
A	80mm 3 1/8"	80mm 3 1/8"	94mm 3 11/16"	110mm 4 5/16"
B	195mm 7 11/16"	195mm 7 11/16"	242mm 9 9/16"	280mm 11 1/8"
B ¹ (Low Profile)	98mm 3 7/8"	98mm 3 7/8"	148mm 5 27/32"	149mm 5 7/8"
C	56mm 2 7/32"	56mm 2 7/32"	80mm 3 5/32"	83mm 3 9/32"
D	252mm 9 5/16"	252mm 9 5/16"	219mm 8 5/8"	234mm 9 1/4"
E	262mm 10 11/32"	272mm 10 23/32"	281mm 11 1/8"	281mm 11 1/8"
F	224mm 8 27/32"	224mm 8 27/32"	297mm 11 23/32"	342mm 13 7/16"
G (Std deck clearance)*	100mm 4"	100mm 4"	85mm 3 11/32"	100mm 4"
G (Extra deck clearance)^	150mm 6"	150mm 6"	190mm 7 1/2"	205mm 8 1/8"
H (Working height of drum for rope warping)	44mm 1 3/4"	44mm 1 3/4"	33mm 1 5/16"	55mm 2 1/4"
I	165mm 6 1/2"	165mm 6 1/2"	190mm 7 1/2"	215mm 8 15/32"

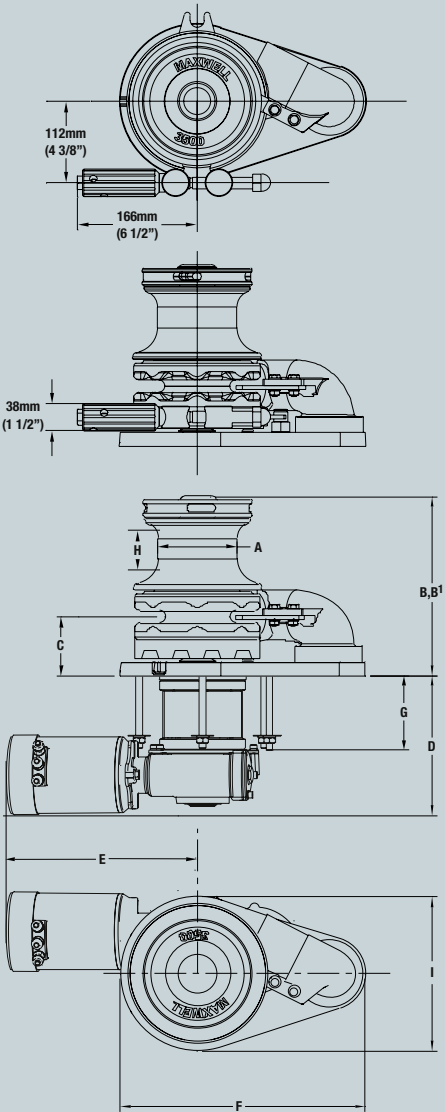
*For WVC1000 and WVC1500 a shorter deck clearance version is also available at 50mm (2").
^ A deck clearance increase will also increase the 'D' measurement by the same increment.



WVC3500 Band Brake featuring Maxwell's innovative 'stow-a-way' tensioning lever



WVC3500 without Band Brake



WVC3500 model is available with optional easy to use Band Brake





3 YEAR
Limited Warranty

The sleek, compact HRCFF 6-7-8 are Maxwell's horizontal versions of the latest innovative new vertical RC6 and RC8 automatic rope/chain windlasses. The HRCFF Series are packed with original and proven features including patented rode management technology developed by Maxwell.

Features and benefits



- Now incorporating Maxwell's automatic free-fall technology. Simply activate the windlass 'Free Fall' lever, operate your down control (helm station or footswitch) and the windlass will freefall your anchor. Ready to raise the anchor? Activate the up control and the 'free fall' device automatically disengages allowing you to power up your anchor.
- Aesthetically pleasing above deck design, encapsulating the motor and drive in a watertight case, saving space below deck and allowing simple routine maintenance.
- Die cast, marine-grade, alloy case is hard anodized for unsurpassed marine protection.

- Simple 'bolt down' installation ensures effortless and rapid on-deck installation and set up.
- Guaranteed trouble free rode transition from rope to chain, by means of an innovative, proven and patented pressure arm system, within a safe enclosed design.
- Integrated composite nylon, through deck hawse pipe for ease of installation and smooth, snag-free operation.
- High efficiency spur gearbox incorporating a robust non-backwind mechanism.
- High speed, jam-free retrieval of rope and chain controlled from a remote panel mounted Up/Down switch.
- Emergency 'free fall' function in the event of onboard power failure. Activated by the supplied, emergency 'Free Fall' lever/tool.
- Revolutionary new chainwheel – see below.
- Heavy duty, dual direction motor incorporating new technology features, including integrated wiring for quick electrical installation.

SPECIFICATIONS

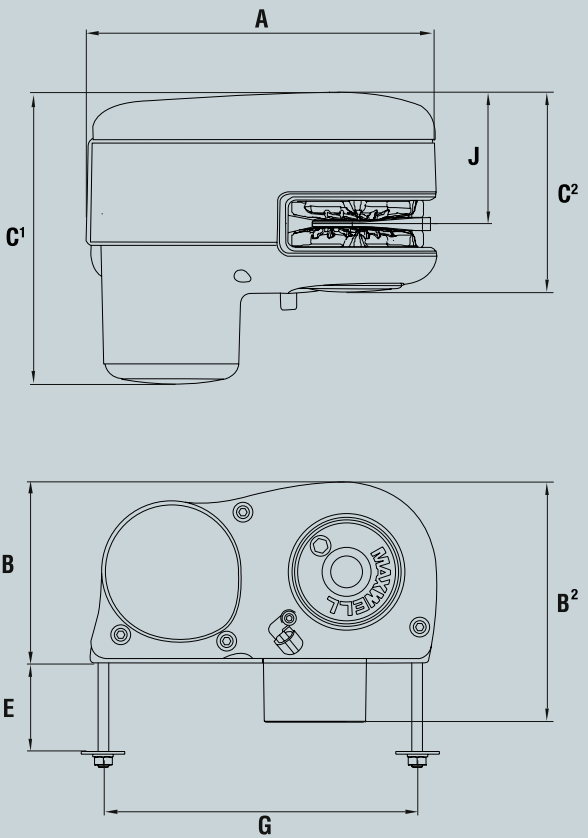
Model	HRCFF6	HRCFF7	HRCFF8
Maximum Pull/Lift	410kg 900lbs	410kg 900lbs	410kg 900lbs
Static Hold	700kg 1540lbs	700kg 1540lbs	700kg 1540lbs
Chain Short Link	6mm 1/4"	7mm 1/4"	8mm 5/16"
Rope Size (Nylon)* (3 strand or 8 plait recommended)	12mm 1/2"	12mm 1/2"	14mm 9/16"
Line Speed (Anchor Retrieval)	33m/min	33m/min	33m/min
Nominal 30kg working load	108ft/min	108ft/min	108ft/min
Power Supply (DC)	12V	12V	12V or 24V
Motor Power	600W	600W	600W
Net Weight	11.5kg 25lbs	11.5kg 25lbs	11.5kg 25lbs

*refer to owners manual for rope size variations.

DIMENSIONS

All Models	mm	inches
A	256mm	10 1/8"
B	132mm	5 11/32"
B²	176mm	6 7/8"
C¹	214mm	8 7/16"
C²	147mm	5 3/4"
E	65mm	2 1/2"
G	230mm	9 1/16"
J	96.4mm	3 7/8"

Every Maxwell automatic rope/chain windlass is available with all the necessary components for fully automatic dual direction control in a competitively priced package.



STANDARD EQUIPMENT REQUIRED FOR DUAL DIRECTION CONTROL

Up/Down remote control panel
Dual direction solenoid pack
Circuit breaker/isolator panel

OPTIONS

AutoAnchor™ equipment
(Special sensor required for HRCFF)
Compact remote control
Foot switches
Chain stopper
Chain snubber

All standard and optional control accessories can be found on pages 26-29.

Every Maxwell HRCFF 6-7-8 windlass comes with top works, motor/ gear box and dual direction solenoid. Switches and circuit breaker are available and need to be ordered separately. Refer chart on page 34.

Important: Maxwell windlasses must be used in conjunction with a chain stopper and/ or alternative snubbing device to take the load off the windlass while laying at anchor. The chain stopper and alternative snubbing system should also be used to secure the anchor in the fully raised position while under way.



MAXWELL'S REVOLUTIONARY NEW CHAINWHEEL

Maxwell once again leads the market in innovative thinking with the introduction of their latest Wave Design™ chainwheel. This patented rope/ chain wheel incorporates two unique design concepts that greatly improve the handling and control of the rope/chain spliced rode.

The outer ribs of the chainwheel are angled slightly forward ensuring that the rope and the chain are smoothly guided in the wheel during anchor retrieval. As the rope pulls into the wheel, the opposite facing inner ribs grip the rope in an undulating manner, securing the rope more firmly in a 'wave pattern' action that is far superior to the traditional 'jam cleat' manner of holding the rope as used on all other products on the market. Not only does this Wave Design™ hold the rope more securely, it is also kinder on the rope resulting in increased longevity of your anchor rode.





3 YEAR
Limited Warranty



Features and benefits

- The all new HRC10-8 fully automatic horizontal windlass series is designed to effortlessly retrieve and deploy 8mm (5/16") short link chain spliced to 14mm (9/16") thress strand or 8-brait (plait) rope.
- The more powerful HRC10-10 can be used with 10mm (3/8") chain spliced to 16mm (5/8") three strand or 8-braid (plait) rope.
- The aesthetically pleasing above deck design, evolved from the philosophy of form follows function, encapsulates the motor and drive in a two part watertight case, saving space below deck.
- The two part case consists of a die cast, marine-grade hard anodised alloy front section and a rugged and easily removable composite motor cover aft section.
- This two piece watertight case allows for quick and easy, on-deck, routine maintenance.
- Simple 'bolt down' installation ensures effortless and rapid on-deck installation and set up.
- The stainless steel pressure arm always exerts maximum control pressure on the rode (rope, splice or chain).
- The new and revolutionary patented Wave Design™ chainwheel is able to accommodate a wide range of chain pitch differences, within the specified chain size diameters, suitable for use with the HRC10 Series. Refer page 21 for more information about this innovative feature.
- The unique Maxwell 'wrap around' horizontal chainwheel ensures that more than 90° of the wheel is used, allowing greatly improved rope and chain handling compared with competitor designs.
- The HRC10 models work just as effectively with all-chain rodes for those who desire the added security and holding power of an all-chain anchor system.
- The integral chain pipe and huge, through deck hawse pipe throat ensures easy entry of the rope/chain rode into and out of the anchor locker.
- Cone type clutch/brake mechanism permits manual, 'free fall' anchoring and emergency crank recovery of the rode and anchor if required.
- The sealed oil bath and marine-grade hard anodised, alloy gearbox provides high efficiency output drive via precision worm and wormwheel.

SPECIFICATIONS

Model	HRC10-8* 8mm - 5/16"	HRC10-10* 10mm - 3/8"
Maximum Pull/Lift	700kg 1540lbs	850kg 1870lbs
Static Hold	1500kg 3300lbs	1500kg 3300lbs
Chain Short Link	8mm 5/16"	10mm 3/8"
Rope Size	14mm 9/16"	16mm 5/8"
Chain Speed (Anchor Retrieval)	24m/min 79ft/min	24m/min 79ft/min
Rope Speed (Anchor Retrieval)	20m/min 65ft/min	20m/min 65ft/min
Power Supply (DC)	12 or 24V	12 or 24V
Motor (Watts)	1000W	1200W
Net Weight	19kg 42lbs	20kg 44lbs
Hydraulic Pressure	138bar 2000psi	138bar 2000psi
Hydraulic Flow	20L/min 5.3 USgal/min	20L/min 5.3 USgal/min
Net Weight - Hyd	13kg 28 1/2lbs	13kg 28 1/2lbs

Non Capstan Version. Weight is 1kg/2.2lbs less than above indicated.
*8mm - 5/16" or 10mm - 3/8" chainwheels can be used on either of the above models

DIMENSIONS

Model	HRC10-8* 8mm - 5/16"	HRC10-10* 10mm - 3/8"
A	369mm 14 9/16"	369mm 14 9/16"
B	199mm 7 7/8"	199mm 7 7/8"
C ¹	316mm 12 1/2"	316mm 12 1/2"
C ²	225mm 8 7/8"	225mm 8 7/8"
C ³	140mm 5 1/2"	140mm 5 1/2"
D	80mm 3 3/16"	80mm 3 3/16"
E (standard deck clearance)	90mm 3 9/16"	90mm 3 9/16"
F	92mm 3 9/16"	92mm 3 9/16"
G	110mm 4 3/8"	110mm 4 3/8"
H	80mm 3 3/16"	80mm 3 3/16"
J	99mm 4"	99mm 4"

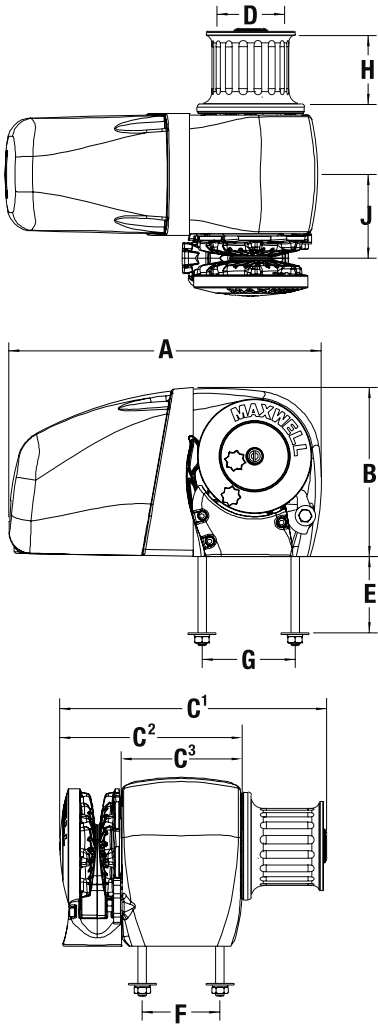
Important: Maxwell windlasses must be used in conjunction with a chain stopper and/ or alternative snubbing device to take the load off the windlass while laying at anchor. The chain stopper and alternative snubbing system should also be used to secure the anchor in the fully raised position while under way.



HRC10

Horizontal Rope/Chain Series
• HRC10-8 • HRC10-10

The new improved HRC10 Horizontal Series windlasses proudly follow in the highly successful footsteps of Maxwell's previous, fully automatic rope/chain anchor winches.



STANDARD EQUIPMENT REQUIRED
FOR DUAL DIRECTION CONTROL

- Circuit breaker/isolator panel
- Dual direction solenoid pack
- Up/Down remote control panel
- Emergency crank/clutch release handle

OPTIONS

- AutoAnchor™ equipment
- Compact remote control
- Foot switches
- Chain stopper or Chain snubber

All standard and optional control accessories can be found on pages 26-29.

Every Maxwell HRC10 windlass comes with top works, motor/gear box and dual direction solenoid. Switches and circuit breaker are available and need to be ordered separately. Refer chart on page 34.

Every Maxwell automatic rope/chain windlass is available with all the necessary components for fully automatic dual direction control in a competitively priced package.



The HWC Series is designed for automatic horizontal handling of chain-only anchor rodes while offering an independent capstan for the retrieval of a secondary rope and chain rode or to assist with docking procedures.

3 YEAR
Limited Warranty

SPECIFICATIONS

MODEL	2500	3500	HWVC3500
Maximum Pull/Lift	1135kg 2500lbs	1590kg 3500lbs	1590kg 3500lbs
Static Hold	2200kg 4840lbs	2200kg 4840lbs	2200kg 4840lbs
Chain Short Link	9-11mm 5/16" - 3/8"	10-13mm 3/8" - 1/2"	10-13mm 3/8" - 1/2"
Line Speed (Normal Working)	15m/min 50ft/min	15m/min 50ft/min	10m/min 33ft/min
Power Supply (DC)	12 or 24V	12 or 24V	12 or 24V
Motor (Power)	1200W	1200W	1200W
Net Weight - DC	55kg 121lbs	57kg 125lbs	94.5kg 208lbs
Hydraulic Pressure	135bar 1950psi	138bar 2000psi	138bar 2000psi
Hydraulic Flow	36 l/min 9.5 USgal/min	40 l/min 11 USgal/min	40 l/min 11 USgal/min
Net Weight - Hyd	48.5kg 107lbs	49kg 107lbs	80kg 176lbs

DIMENSIONS

MODEL	2500	3500	HWVC3500
A	495mm 19 1/2"	515mm 20 9/32"	515mm 20 9/32"
B	289mm 11 3/8"	316mm 12 7/16"	446mm 17 9/16"
C	516mm 20 5/16"	549mm 21 5/8"	710mm 28"
D (Hole centres)	234mm 9 1/4"	260mm 10 1/4"	417mm 18 7/16"
F (Hole centres)	278mm 10 15/16"	308mm 12 1/8"	464mm 18 1/4"
G (Approximate hole centres)	300mm 11 13/16"	348mm 13 11/16"	348mm 13 11/16"
H (Working height of drum for rope warping)	60mm 2 3/8"	53mm 2 3/32"	53mm 2 3/32"
I	125mm 4 15/16"	130mm 5 1/8"	130mm 5 1/8"
J	194mm 7 5/8"	208mm 8 3/16"	287mm 11 19/64"

***Important:** Maxwell windlasses must be used in conjunction with a chain stopper and/or alternative snubbing device to take the load off the windlass while laying at anchor. The chain stopper and alternative snubbing system should also be used to secure the anchor in the fully raised position while under way.



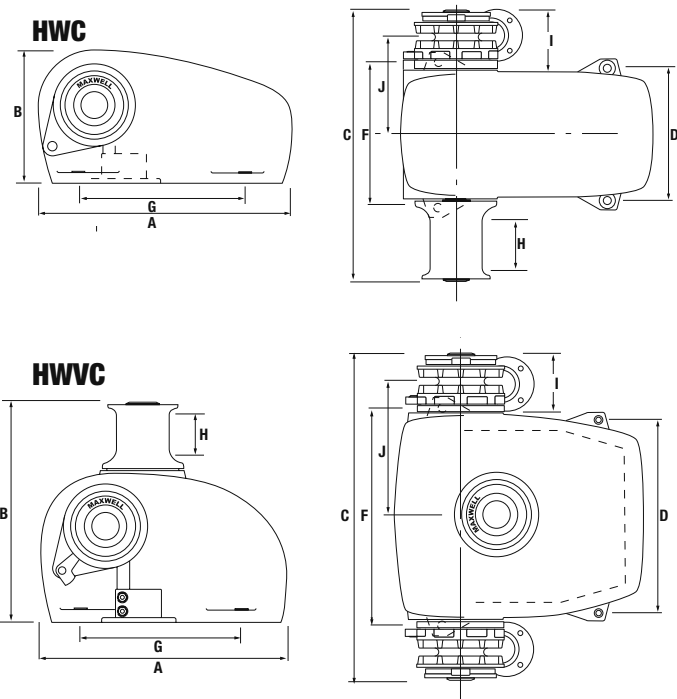
STANDARD EQUIPMENT REQUIRED
FOR SINGLE DIRECTION CONTROL

- Circuit breaker/isolator panel
- Foot switches
- Chain pipe and chainwheel to suit chain sizes specified
- Emergency crank handle and clutch control lever

OPTIONS

- Vertical warping drum featuring MAX-grip™ for independent rope hauling from any direction (HWVC3500 only)
- Dual direction solenoid pack
- Up/Down remote control panel
- Hydraulic motor
- Chain stopper*
- AutoAnchor™ equipment
- Compact remote control
- Roving remote control

All standard and optional control accessories can be found on pages 26-29.



Features

- Fully automatic single or dual direction chainwheel operation, for use with chain only rodes.
- Functional rope hauling from fore and aft using independent MAX-grip™ snag-free warping drum with clutch disengagement of chainwheel for positive control of all ropes.
- Optional dual anchor handling with smooth independent control of each chainwheel via cone clutches.
- Chain pipe assembly supplied.
- Cone-type clutch/brake mechanism permits manual 'free fall' anchoring. Cone clutches, unlike dog clutches, provide smooth progressive engagement ensuring safe and precise operator control.
- Chainwheel locking pawl to assist when using warping drum independently.
- Simple deck mounted installation with no under deck parts.
- Simplified maintenance with ability to strip the running gear (chainwheel and drum) from the windlass without disturbing the windlass mounting.
- Heavy duty, dual direction motor, designed for marine winches.
- Chainwheel and warping drum of high-quality chrome finish over marine-grade bronze.
- Marine-grade alloy casing pre-treated, powder coated and finished with a two component white polyurethane paint.



KADEY KROGEN 58' FITTED WITH HWVC3500



RCM2 and RCM4 - Radio Remote Controls

These new, hand held wireless control units are ideal for remotely operating the up/down function of a single windlass (RCM2) or a dual windlass installation (RCM4). The RCM2 can also be used for control of a bow thruster, whereas the RCM4 can be used for controlling a windlass and a bow thruster or a bow and stern thruster simultaneously. These units are also suitable for the operation of other on board, electrically driven equipment.



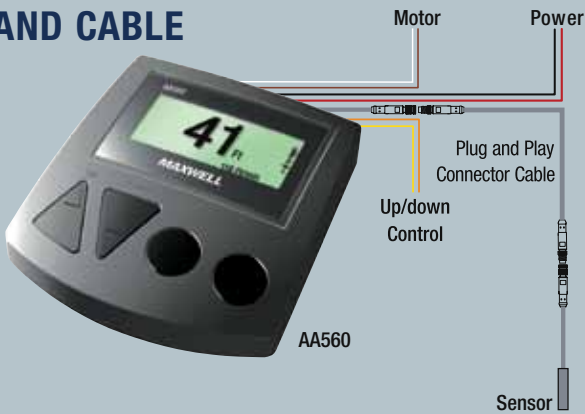
MAXWELL AUTOANCHOR WIRELESS REMOTE CONTROL UNITS

PRODUCT FEATURES

- Windlass monitoring from the helm.
- Simple Plug & Play sensor installation.
- Accurate information for all-chain or combination rope/chain rodes.
- Flexibility of magnet and sensor gap from 3mm to 50mm.
- Easy set up.
- Multiple unit installation options – combine with other Maxwell AA products for total windlass control.
- Fits all DC, AC and hydraulic windlasses.
- Inbuilt diagnostics for troubleshooting installation issues.
- EMC protection to CE EN60945.

PLUG AND PLAY SENSOR AND CABLE

Correct sensor installation is fundamental to rode counter operation. To ensure the best possible sensor installation the Maxwell AA series products come with waterproof connectors pre-fitted to the sensor cables. No need for solder. Make sure you order the plug and play connecting cable with your new counter. Special Sensor required for use with HRCFF windlasses.



All the features of the AA560, with the installation advantages of the AA710

- Instant connection to the AA702 base-station (included), no cables required back to windlass*
- Easy one-off calibration for multiple station set-ups
- Seamless interface with AA710 hand-held remotes
- Operate 2 windlasses from a single console
- One touch function deploys and retrieves a preset length of rode
- Preset stopping point and docking alarm on retrieval
- Adjustable backlit display in feet, metres or fathoms
- Graphic LCD screen with intuitive user interface for easy operation
- Displays windlass speed, direction and rode deployed
- Safety lock, windlass log hours and more.
- Typical range 10m (30ft), with antenna option for increased range
- Very secure data transmission with 16 different channel options

*AA570 Console requires connection to 12V /24V power supply.

ALL MAXWELL WINDLASSES ARE RODE COUNTER READY WITH MAGNET FITTED AND SENSOR HOLE DRILLED



3 YEAR
Limited Warranty

MAXWELL AA710 WIRELESS, HAND HELD REMOTE WINDLASS CONTROLLER AND RODE COUNTER (P102981)

- All the features of the AA560 plus options to control a bow thruster or deck lights and anchor wash.
 - High level wireless transmission security - 2.4GHz ISM band.
 - Hand held controller displays rode count plus signal strength and battery level.
 - Console requires two AA batteries.
 - Ergonomic shape with wrist strap connector.
 - Water resistant to IP67.
 - Rubber moulding for grip and non slip protection.
 - Console holder and protective cover.
 - Shockproof • IEEE 802.15.4 compliant.
- Kit includes: 1 hand held remote control and 1 base station, 1 sensor and 1 magnet. Note: Two base stations can be operated by one remote to allow control of two windlasses. Plug and Play connectors, T-Connectors and Gender Adaptors are also available. Contact your Maxwell Dealer.



Electronic windlass control and rode monitoring

MAXWELL AA560 PANEL MOUNT WINDLASS CONTROLLER AND RODE COUNTER (P102944)

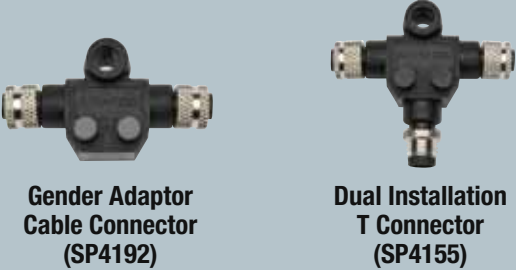
- SPECIAL FEATURES:
- Preset stopping point and docking alarm on retrieval.
 - One-touch function to deploy and retrieve a preset length of rode.
 - Adjustable back lit display in feet, metres or fathoms.
 - Graphic LCD screen featuring intuitive user interface for simple operation.
 - Displays windlass speed and direction.
 - Safety lock to help protect against accidental windlass deployment.
 - Logs windlass operation hours to help ensure regular windlass maintenance.
 - Weather cover and choice of black or gray console.
- Kit includes 1 console, 1 sensor and 1 magnet.



MAXWELL AUTOANCHOR WIRED ROVING REMOTE CONTROL UNITS

ANCHOR LAUNCHING OR RETRIEVAL FROM THE BOW WHEN VISION FROM THE HELM STATION IS OBSTRUCTED.

- Use for Windlasses, Davits, Thrusters and other Marine Equipment.
- Electrical protection against back-emf.
- Rubber over-moulding for shock protection and grip.
- Stowage cradle.
- Operate in parallel with all AutoAnchor™ products, toggle switches, foot switches or other control equipment.
- Connect to DC, AC and Hydraulic systems.
- Rugged 4.5m coiled cable and connectors.
- All products are rated to IP67 including cables, plugs and sockets.
- Deck socket with 2m flying lead reduces potential for corrosion (excluding AA320 series).
- Other Maxwell AutoAnchor controllers are available, check with your local Maxwell distributor.



* AA341 Model (P102995) is similar to AA342 but can be used as a general dual equipment controller (contact Maxwell for details).

When it comes to anchoring, Maxwell provides the ultimate anchoring solution backed by sound advice and after sales service. A full range of anchoring accessory items are available. Please contact your nearest Maxwell office or local distributor for helpful advice and assistance

Maxwell will supply not only your anchor winch or capstan, but also a complete anchoring package consisting of control gear, circuit protection, anchors, rope, chain, chain stoppers, chain snubbers, swivels, shackles, bow rollers, etc.

Accessories Positioning Guide

The correct installation of your Maxwell windlass or capstan and all associated anchoring equipment will ensure that you get years of trouble free service. It is worth taking the time to install all accessories and electrical wiring or hydraulic connections carefully and professionally. Your Maxwell Owner’s Manual will provide you with all the information you, or your service agent, needs to properly set up your specific installation. The indicative diagram gives you some idea of what is involved and is a guide only.

UP/DOWN CONTROLS

Easy to use, panel-mounted Up/Down switches for remote windlass operation from the helm, fly bridge or cockpit. Suitable for use with dual-directional solenoids.

- Manufactured from marine-grade materials.
- Splash proof.
- Suitable for 12 and 24 Volt DC use.
- Includes on/off switch and power indicator light (B only).



UP/DOWN REMOTE PANEL (TOGGLE TYPE) (P102938)

(A)



UP/DOWN REMOTE PANEL (PUSH BUTTON TYPE) (P102983)

(B)

CIRCUIT BREAKER/ISOLATOR PANELS

Maxwell circuit breaker/isolator panels are available to suit a wide range of windlasses and capstans.

- For protection of the main conductor circuit for DC winches.
- Mount as close as possible to the battery power source to ensure protection against a short circuit and to reduce the risk of DC motor burn-out in the event of winch overloading.
- Enables the battery, or electrical supply, to be isolated when winch is not in use.
- Suitable for 12V or 24V DC systems.



(REFER PAGE 34 FOR PRODUCT CODES)

FOOT SWITCHES

Maxwell heavy-duty, weather resistant units have a UV stabilised water proof diaphragm and are supplied complete with mounting instructions and screws.

- Rated at 150 amps maximum current and suitable for 12V or 24V applications.
- Nickel-plated copper contacts ensure corrosion-free, reliable operation.
- Available in UV stabilised plastic or polished stainless steel covered versions.
- Uncovered plastic versions are also available.



CHROME BEZEL	P19001
BLACK COVERED	P19006
STAINLESS STEEL COVERED	P100735
BLACK PLASTIC BEZEL	P19008
WHITE COVERED	P19007

Maxwell's, compact up and down foot switches now available in black and white cover versions. These 5 Amp rated switches are required to be operated via solenoids, which also allows for smaller diameter wiring.



WHITE COVERED	P104809
BLACK COVERED	P104810

MAXWELL AA150 PANEL MOUNT RODE COUNTER (P102939)

- Docking alarm.
- Standard 60mm (2.36") marine instrument console.
- Choice of feet or metre count readout.
- Large, adjustable, backlit LCD display.

Kit includes 1 console, 1 sensor and 1 magnet.



DUAL AND SINGLE DIRECTION SOLENOIDS

Dual Direction Solenoids are used in conjunction with remote Up/Down panel, AutoAnchor™ Rode Counters, roving hand held remote controls and/or foot switches to switch the motor in the required direction.

- Heavy-duty solenoids, suitably rated for our winch motors.
- Optional, ignition protected solenoids available.
- Available in 12V or 24V DC for permanent magnet and series wound motors.
- Installation in a dry area is always recommended.

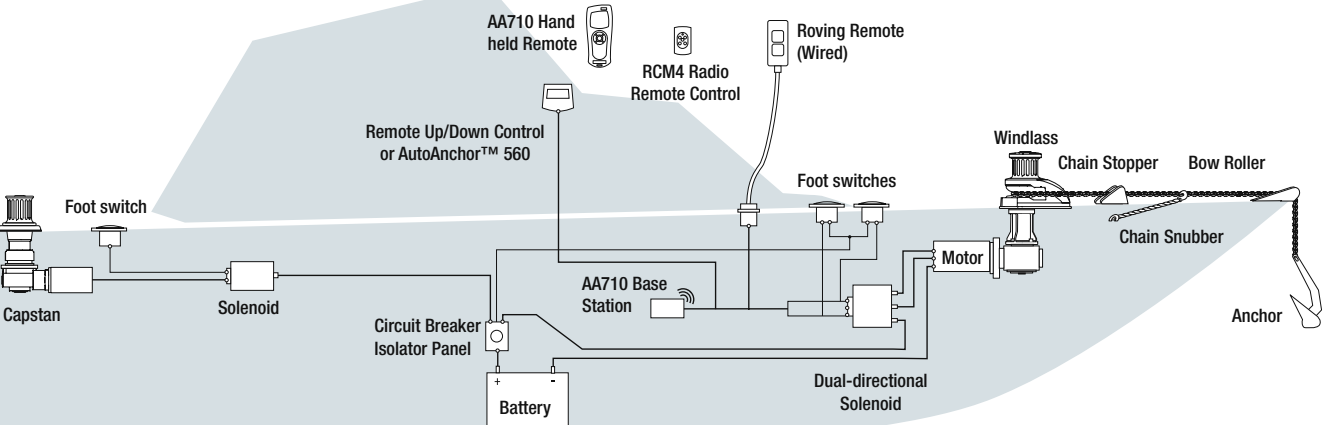


Single Direction Solenoids should be used where only single direction motor rotation is necessary. E.g. capstan winches. The advantages of using a single direction solenoid, instead of a heavy duty switch are:

- Shorter runs of heavy duty wiring, thus saving installation cost
- Multiple input sources possible E.g. foot switch, remote control, etc.
- Less chance of arcing. Arcing reduces the life of electrical contacts.

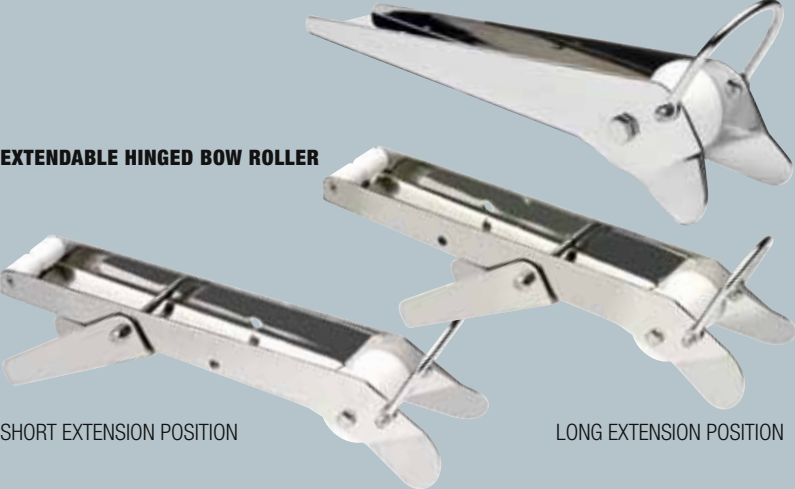
(REFER PAGE 34 FOR PRODUCT CODES)

Note: All the accessories shown are not necessarily available from every Maxwell warehouse. Please contact your nearest Maxwell office for availability.





FIXED BOW ROLLER WITH ANCHOR LOOP



EXTENDABLE HINGED BOW ROLLER



SHORT EXTENSION POSITION

LONG EXTENSION POSITION

HINGED BOW ROLLER

(2 Sizes – refer chart below) Suitable for rope and chain anchor rodes utilising up to 13mm (1/2") chain.

Mainly for use with sand and pivotal shank type anchors

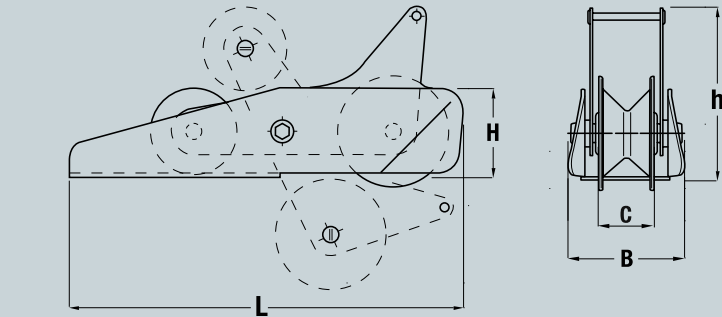
FIXED BOW ROLLER

(3 Sizes – refer chart below)

Suitable for rope and chain anchor rodes utilising up to 13mm (1/2") chain.

HINGED BOW ROLLER DIMENSIONS

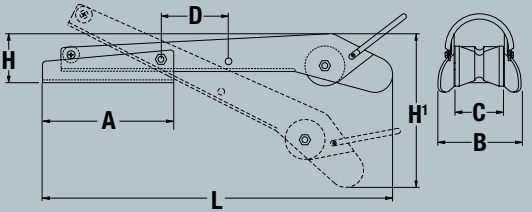
Code	Type	L	B	H	h	C
P104330	Size 1	320mm (12 5/8")	92mm (3 5/8")	72mm (2 7/8")	133mm (5 1/4")	44mm (1 3/4")
P104331	Size 2	430mm (16 15/16)	160mm (5 5/16")	100mm (4")	190mm (7 1/2")	66mm (2 11/16")



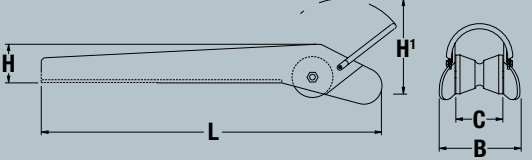
BOW ROLLER DIMENSIONS

	Bow Rollers	
	Extendable (P104340)	Fixed with Hoop (P104345)
A	198mm (7 13/16")	NA
B	125mm (4 15/16")	134mm (5 1/4")
C	73mm (2 7/8")	75mm (3")
D	101mm (4")	NA
H	75mm (2 15/16")	65mm (2 9/16")
H'	239mm (9 3/8")	155mm (6 1/8")
L	527mm (20 1/4")	460mm (18 1/8")

EXTENDABLE HINGED BOW ROLLER

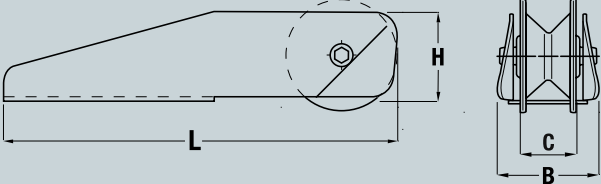


FIXED BOW ROLLER WITH ANCHOR LOOP



FIXED BOW ROLLER DIMENSIONS

Code	Type	L	B	H	C
P104332	Size 1	205mm (8 1/8")	72mm (2 7/8")	74mm (3")	44mm (1 3/4")
P104333	Size 2	320mm (12 5/8")	86mm (3 7/16")	74mm (3")	44mm (1 3/4")
P104334	Size 3	444mm (17 1/2")	110mm (4 3/8")	110mm (4 3/8")	68mm (2 11/16")



When it comes to anchoring, Maxwell provides the ultimate anchoring solution backed by sound advice and after sales service. A full range of anchoring accessory items are available. Please contact your nearest Maxwell office or local distributor for helpful advice and assistance

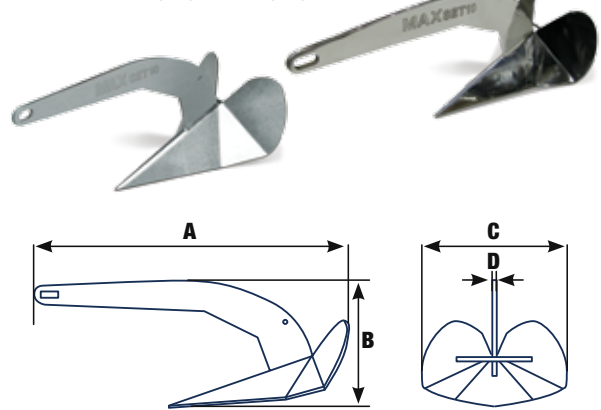
ANCHORS

See chart below to select the most suitable bow roller and MAXSET or MAXCLAW anchor to suite your size boat.

ANCHORS		BOW ROLLERS							TO SUIT APPROXIMATE BOAT LENGTH											
		P104330	P104331	P104332	P104333	P104334	P104340	P104345	4M - 15FT	5M - 16FT	6M - 19FT	7M - 22FT	8M - 26FT	9M - 30FT	10M - 32FT	11M - 35FT	12M - 38FT	13M - 45FT	14M - 52FT	15M - 58FT
MAXSET																				
Stainless Steel	Galvanised																			
P105055 - 6kg/13lbs	P105000 - 6kg/13lbs			•	•		•	•												
P105056 - 10kg/22lbs	P105001 - 10kg/22lbs		•	•	•		•	•												
P105057 - 16kg/35lbs	P105002 - 16kg/35lbs			•	•	•	•	•												
P105058 - 20kg/44lbs	P105003 - 20kg/44lbs					•														
MAXCLAW																				
P105060 - 5kg/10lbs				•	•		•													
P105061 - 8kg/18lbs				•	•		•	•												
P105062 - 10kg/22lbs			•	•	•	•	•	•												
P105063 - 15kg/33lbs						•	•	•												
P105064 - 20kg/44lbs						•														
P105065 - 30kg/66lbs																				
P105066 - 40kg/88lbs																				

MAXSET ANCHORS

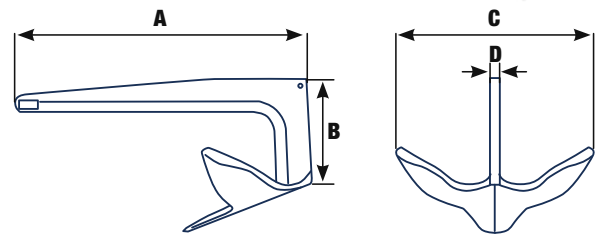
The "MAXSET" galvanised or Stainless Steel anchor range, based on the proven 'Plough' design is available in four different sizes to suit boats from approximately 4m (15') to 14m (45').



MAXSET	A	B	C	D
P105000	620mm	230mm	262mm	10mm
P105055	24 1/2"	9 1/8"	10 3/8"	3/8"
P105001	730mm	275mm	315mm	12mm
P105056	28 3/4"	10 7/8"	12 1/2"	1/2"
P105002	820mm	315mm	340mm	14mm
P105057	32 3/8"	12 1/2"	13 1/2"	9/16"
P105003	890mm	345mm	400mm	16mm
P105058	35"	13 5/8"	15 3/4"	5/8"

MAXCLAW ANCHORS

The "MAXCLAW" 316 Stainless Steel anchor range, based on the proven 'North Sea' claw design is available in seven different sizes to suit boats from approximately 3m (10') to 18m (58').



MAXCLAW	A	B	C	D
P105060	470mm 18 5/8"	190mm 7 1/2"	310mm 12 1/4"	15 - 18mm 5/8 - 3/4"
P105061	530mm 20 7/8"	210mm 8 3/8"	360mm 14 1/4"	15 - 18mm 5/8 - 3/4"
P105062	600mm 23 5/8"	228mm 9"	380mm 15"	15 - 18mm 5/8 - 3/4"
P105063	670mm 26 1/2"	265mm 10 1/2"	450mm 17 3/4"	15 - 18mm 5/8 - 3/4"
P105064	715mm 28 1/4"	360mm 14 1/4"	470mm 18 5/8"	15 - 20mm 5/8 - 7/8"
P105065	815mm 32 1/8"	425mm 16 3/4"	550mm 21 3/4"	18 - 25mm 3/4 - 1"
P105066	1000mm 39 3/8"	440mm 17 3/8"	675mm 26 5/8"	18 - 30mm 3/4 - 1 1/4"

CHAIN STOPPERS

Chain stoppers hold the chain and take the load off the windlass. They are used to set and ride on the anchor, break free the anchor or to prevent accidental ‘free fall’ of the anchor while under way. Also recommended for VW Series rope and chain systems to hold the chain while changing over from rope to chain. Three sizes available – refer chart below. Refer Maxwell Supeyacht catalogue for larger sizes.

CHAIN STOPPER DIMENSIONS

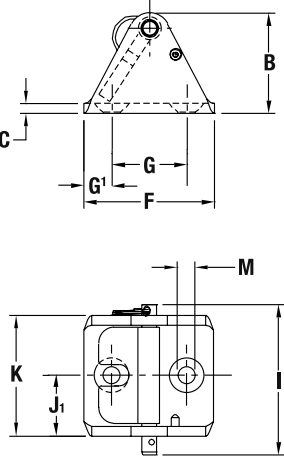
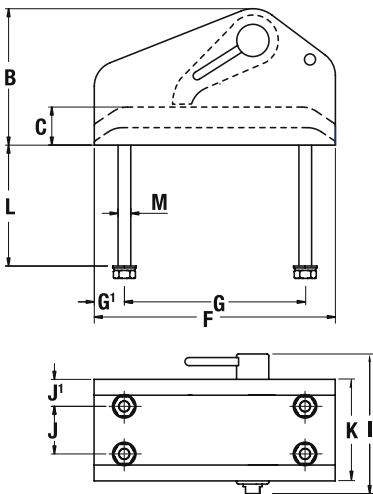
	Levered Chain Stoppers			Economy Chain Stopper
	8mm (P104372)	10mm (P104373)	13mm (P104374)	8/10mm (P104335)
B	72mm (2 7/8")	86mm (3 7/16")	105mm (4 3/16")	62mm (2 3/8")
C	20mm (7/8")	20mm (7/8")	26mm (1 1/8")	6mm (1/4")
F	152mm (6")	190mm (7 1/2")	219mm (8 5/8")	80mm (3 1/8")
G	92mm (3 5/8")	130mm (5 1/8")	159mm (6 5/16")	46mm (1 3/4")
G'	30mm (1 3/16")	30mm (1 3/16")	30mm (1 3/16")	17mm (5/8")
I	70mm (2 7/8")	86mm (3 1/2")	100mm (4")	92mm (3 5/8")
J	31.5mm (1 1/4")	44mm (1 3/4")	53mm (2 1/8")	NA
J'	10mm (7/16")	10mm (7/16")	12.5mm (1/2")	37mm (1 1/2")
K	51.5mm (2 1/8")	64mm (2 5/8")	78mm (3 1/8")	74mm (2 7/8")
L	95mm (3 3/4")	95mm (3 3/4")	130mm (5 1/8")	NA
M	M10	M10	M12	M10



Levered Chain Stopper



Economy Chain Stopper



ROPE AND CHAIN

Maxwell can supply a full range of anchor rodes including chain only, rope only or pre-spliced combination rope and chain rodes. Chain, suitable for vessels up to 100 metres (about 300 feet) is available in short or stud link variations in both metric and imperial sizes. Maxwell provides both 3-strand and 8-plait (brait) nylon rope commonly used on vessels up to 22 metres (7 5 feet) in length as well as ropes and hawsers commonly seen on superyachts.



CHAIN SNUBBERS

Chain snubbers are an alternative method of taking the load off the windlass and are recommended to secure the anchor while underway. Available in rope versions with chain clevis hook (A) or snap shackle (B) and in various sizes: 6mm (1/4") 8mm (5/16"), 10mm (3/8"), 13mm (1/2").



6MM (SP3174)
8MM (SP3175)
10MM (SP3176)

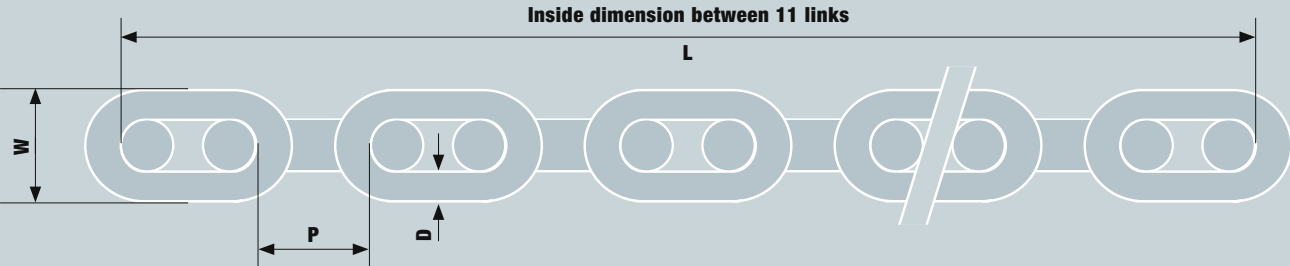
(B)
SPECIAL
ORDER ONLY

CHAINWHEEL SELECTION GUIDE

In order for your windlass to retrieve and deploy the anchor and chain smoothly, without jamming, it is vitally important that the chain and chainwheel (gypsy) match. Unfortunately all chains (whether metric or imperial) are not necessarily manufactured to the same tolerances for a given chain size. Therefore, Maxwell has devised a global chain and chainwheel spreadsheet which

will help you to figure out what chainwheel you need to order, for the chain you are using, to fit and work correctly with your Maxwell windlass. If you know the chain size and manufacturer, then simply go to the link below in the Maxwell web site, look up your chain, scroll down to your windlass and a dot in the matrix will indicate and guide you to the chainwheel to be used with your

specific windlass and chain. If you do not know the chain size and manufacturer, then use the illustrated chain diagram (refer below) and indicated dimensions information to ‘measure’ your chain. Send this information to your Maxwell dealer, who will then help you figure out what chain you are using and therefore what chainwheel must be used with your Maxwell windlass.



P = Pitch length inside link
W = width outside the link
D = Chain wire diameter
L = inside dimension between 11 links.

Please take an 11 link section of your chain, lay it out in a stretched out straight line and measure the dimensions as indicated

DOWNLOAD THE MAXWELL CHAINWHEEL SELECTION GUIDE SPREADSHEET www.maxwellmarine.com/support_chainwheel.php

ANCHOR SWIVEL SHACKLES



6-8MM (P104370)

10-13MM (P104371)

The use of a swivel and joining shackles to join your anchor and rode will greatly improve anchor retrieval and help ensure that the rode lays neatly into your anchor locker. Thus, they are highly recommended for use with Maxwell’s automatic rope/chain series windlasses. Two sizes (6mm - 8mm/1/4” – 5/16” and 10mm - 13mm/3/8” – 1/2”) are available to suit vessels up to 20 metres (65 feet). These robust single swivel anchor connectors, with captured pins, will not loosen under load and pull smoothly and easily over bow rollers.

EMERGENCY CRANK/CLUTCH RELEASE HANDLES

For use with RC8, RC10, HRC10, VW10 and RC12 Series anchor winches. Two sizes are available to suit the constraints of most foredeck configurations. Constructed of light weight, durable injection-moulded plastic, these handles float if accidentally dropped overboard.



10" (P103865)

8" (P103864)

Electrical Accessories Selection Guide:

Use this guide to select the electrical accessories you require and to confirm that they are suitable for use with your chosen windlass or capstan unit. After identifying your winch, follow steps 1 through 5 below.

1. Select Solenoid (when required)

	Windlass model	Anchor Max	500VC	HRCFF 6/7/8	RC6	RC8-6	RC8-8	RC10-8	RC10-10	HRC10-8	HRC10-10	RC12-10	RC12-12	1000	1500	2500	3500
Part Number		500W	600W	600W	500W	600W	1000W	1000W	1200W	1000W	1200W	1200W	1200W	1000W	1200W	1500W	1200W
	Reversing solenoids																
P100715	Reversing Solenoid 12V			⬢	⬢	⬢											
P11121	Reversing Solenoid 24V			⬢	⬢	⬢											
P19045	Reversing Solenoid 12V						⬢	⬢	⬢	⬢	⬢	⬢	⬢	⬢	⬢	⬢	⬢
P19046	Reversing Solenoid 24V						⬢	⬢	⬢	⬢	⬢	⬢	⬢	⬢	⬢	⬢	⬢
	⬢ = part of the standard windlass package																

2. Select Circuit Breaker/Isolator (recommended)

	Circuit breaker	Anchor Max	500VC	HRCFF 6/7/8	RC6	RC8-6	RC8-8	RC10-8	RC10-10	HRC10-8	HRC10-10	RC12-10	RC12-12	1000	1500	2500	3500
P100789	40 Amp circuit breaker	24V	24V	24V	24V	24V											
P100790	80 Amp circuit breaker	12V	12V			12V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V	24V
P100791	135 Amp circuit breaker						12V	12V	12V	12V	12V	12V	12V	12V	12V	12V	12V
P102902	50 Amp circuit breaker																
P102903	70 Amp circuit breaker			12V	12V												

3. Select Switch or Combination of Switches (as required)

	Foot Switches	Anchor Max	500VC	HRCFF 6/7/8	RC6	RC8-6	RC8-8	RC10-8	RC10-10	HRC10-8	HRC10-10	RC12-10	RC12-12	1000	1500	2500	3500
P19001	Foot Switch With Chrome Bezel	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
P19006	Foot Switch Covered (Black)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
P19007	Foot Switch Covered (White)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
P19008	Foot Switch Plastic Bezel	⬢	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
P100735	Foot Switch Covered (Stainless Steel)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Compact Foot Switches																
P104809	Foot Switch Covered (White)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
P104810	Foot Switch Covered (Black)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Remote Panel (Up/Down)																
P102938	Toggle Switch			•	•	•	•	•	•	•	•	•	•	•	•	•	•
P102983	Push Button			•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Hand Held Wired Roving Control																
P102933	Roving Control Two Button			•	•	•	•	•	•	•	•	•	•	•	•	•	•
P102992	AA320 Roving Control Two Button			•	•	•	•	•	•	•	•	•	•	•	•	•	•
P102995	AA342 Roving Control Two Button			•	•	•	•	•	•	•	•	•	•	•	•	•	•
P102994	AA730 Roving Control with Rode Counter			•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Hand Held Wireless Remote Control																
P102981	AA710 Remote Control with Rode Counter			•*	•	•	•	•	•	•	•	•	•	•	•	•	•
P104816	RCM2 Two Button Radio Remote Control			•	•	•	•	•	•	•	•	•	•	•	•	•	•
P104817	RCM4 Four Button Radio Remote Control			•	•	•	•	•	•	•	•	•	•	•	•	•	•

4. Select Rode Counters (when desired)

P102939	AA150 Panel Mount Rode Counter Without Control Switch			•*	•	•	•	•	•	•	•	•	•	•	•	•	•
P102944	AA560 Panel Mount Rode Counter and Windlass Control			•*	•	•	•	•	•	•	•	•	•	•	•	•	•
P102945	AA570 Wireless Panel Mount Rode Counter and Windlass Control			•*	•	•	•	•	•	•	•	•	•	•	•	•	•

* HRC sensor P102909 is required to fit a chain counter to the HRCFF6 and HRCFF8 windlasses

5. Select Sensor Cable Extension Packs for Rode Counters or Switches with Rode Counters (as required)

SP4154	2m (6.5 ft) Dual Installation Connection cable			•	•	•	•	•	•	•	•	•	•	•	•	•	•
SP4156	6.5 m (21 ft)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
SP4157	15 m (49 ft)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
SP4153	20 m (65 ft)			•	•	•	•	•	•	•	•	•	•	•	•	•	•
SP4155	Dual Instalation "T" Connector			•	•	•	•	•	•	•	•	•	•	•	•	•	•
SP4192	Gender Adaptor (to join 2 sensor cables)			•	•	•	•	•	•	•	•	•	•	•	•	•	•

Additional Anchoring Accessories Selection Guide

Maxset Anchors			Anchor Swivels			Bow Rollers		
Stainless Steel	Galvanised	Anchor Weight	P104370	Stainless Steel 750 kg load 6mm-8mm (1/4"-5/16") chain		P104330	Hinged # 1 up to 8mm (5/16") chain	
P105000	P105055	6 kg (13lb)	P104371	Stainless Steel 1500 kg load 10mm-13mm (3/8"-1/2") chain		P104331	Hinged # 2 up to 13mm (1/2") chain	
P105001	P105056	10 kg (22lb)	Chain Stoppers			P104332	Fixed # 1 up to 8mm (5/16") chain	
P105002	P105057	16 kg (35lb)	P104335	Economy 8mm -10mm (5/16"-3/8") chain		P104333	Fixed # 2 up to 8mm (5/16") chain	
P105003	P105058	20kg (44lb)	P104372	Removable Levered Pawl 8mm (5/16") chain		P104334	Fixed # 3 up to 13mm (1/2") chain	
Maxclaw Anchors			P104373	Removable Levered Pawl 10mm (3/8") chain		P104340	Extendable hinged up to 13mm (1/2") chain	
P105060		5 kg (10lb)	P104374	Removable Levered Pawl 13mm (1/2") chain		P104374	Fixed with anchor loop up to 13mm (1/2") chain	
P105061		8 kg (18lb)	Chain Snubbers and Tensioners			Crank Handles		
P105062		10kg (22lb)	SP3174	Snubbing Hook 6/7mm (1/4") chain		P103864	Short RC8, RC10 and RC12 windlasses	
P105063		15 kg (33lb)	SP3175	Snubbing Hook 8mm (5/16") chain		P103865	Long RC8, RC10 and RC12 windlasses	
P105064		20kg (44lb)	SP3176	Snubbing Hook 10mm (3/8") chain				
P105065		30kg (66lb)	P101100	Adjustable Devil's Claw/Tensioner 13mm (1/2") chain				
P105066		40kg (88lb)						

Anchoring Tips

Books and websites on seamanship all have a section on how to properly and safely anchor your boat. Generally they reflect consistent theories and Maxwell is not about to re-write these. However, for the person reading this catalogue with the intent of purchasing an anchoring system for a boat, we felt a brief summary regarding acceptable anchoring technique could prove useful and informative.



- Before deciding where you want to anchor, slowly cruise around the anchoring site and check the boats already at anchor, to ensure you have enough room to swing.
- Allow adequate room around the spot where you wish to anchor. Remember that power vessels swing differently than yachts. Boats on rope rode swing around more than those on chain.
- Slow down and keep the bow into the wind, or current, whichever is stronger and as the boat comes to a complete stop, start to lower the anchor.
- After lowering the anchor, either drift back or slowly reverse while paying out the anchor rode, in order to ensure the anchor is properly set (holding firm).
- The amount of anchor rode you pay out should always be at least three times the depth of water in which you are anchoring.
- Do not switch off the engine until you are sure the anchor is set (holding firm), as the engine may not restart. Use buoys as reference points if they are available or, if close to shore, use prominent landmarks to check you are holding your anchored position.
- Once anchored, secure your anchor rode with the chain stopper or secure to a deck cleat or bollard with a hitch that is easy to cast off. Do not anchor off your winch.
- Have a small buoy handy, which you can tie to the end of your anchor rode in case you have to slip your anchor. You will then be able to recover your anchor and rode later.
- Your boat should always be anchored via the bow.
- Check your position frequently when at anchor to ensure that you have not dragged.

Installation and maintenance

Maxwell provides a complete installation and maintenance manual with every windlass or capstan. This clear and detailed step-by-step guide, provides information on how and where to install your winch. Suggestions, practical tips and cautions provide a solid basis for usage and maintenance. These publications are available on the Maxwell website.

A good installation could mean the difference between your winch performing as it should or ending up causing you problems. Please ensure that you carefully read the Owner's Manual before installing and using your winch. Simple guidelines and advice such as greasing the clutch cones, using products such as CRC™ ‘soft seal’ on the motor and electrical terminals and bedding the winch to the deck with a top quality marine sealant will ensure that you get years of trouble free use from your Maxwell Marine products. If in doubt, contact your nearest Maxwell dealer.

Maxwell Three Year Warranty

Maxwell Marine provides a three year limited warranty on all windlasses, capstans and accessories for pleasure boat usage (with the exception of the AnchorMax which has a two year warranty) and a one year limited warranty for those systems used on commercial or charter vessels. Warranty, service and parts are available world-wide.

Contact your nearest Maxwell Marine office or refer to the Maxwell Marine website: www.maxwellmarine.com for a complete list of service centres, agents and distributors.



www.maxwellmarine.com

Maxwell's ongoing commitment to customer service and technological excellence can be viewed online at www.maxwellmarine.com.

This fully interactive and constantly evolving website features Maxwell's easy to use winch selection guide, cad drawings, product manual downloads and up-to-date technical information regarding the latest product developments and innovations.

You can register warranties on line, ask for technical advice, find out what boat shows we are attending and locate the Maxwell office, agent or distributor nearest you.

Glossary

Capstan Often referred to as a drum, rope drum, or warping drum. The capstan is primarily used for hauling rope.

Chain Stopper Similarly, chain compressor. Located between the winch and bow roller. Secures chain and anchor and takes the load off the winch/windlass. Highly recommended for systems utilising all chain and for semi-automatic rope and chain systems.

Free Fall Release of the winch clutch mechanism allowing the anchor and rode (chain or rope and chain) to run out freely with no engagement of winch gearbox or motor.

Gypsy Often referred to as chainwheel or wildcat. A special wheel with pockets, to accommodate a specified chain size, for hauling up the chain and anchor. With automatic rope/chain systems the gypsy is designed to haul both rope and chain.

Hauling Often referred to as weighing or lifting. The operation of lifting the anchor and rode.

Horizontal Pertaining to the winch or windlass. Drive shaft, capstan and gypsy are positioned horizontally to the deck.

Manual Override System Often referred to as emergency crank system. A means of manually cranking the winch to haul in the rode and anchor should a failure occur in the motor, gearbox or power supply.

Maximum Pull Sometimes referred to as rated lift, stall load, or simply lift/pull. The maximum pull or lift load of the winch.

Rode The line that secures the boat to the anchor. This may consist of all chain, all rope, or a combination of rope and chain.

Static Hold The maximum load that the windlass can hold. It is not recommended that the windlass be used in this manner.

Vertical Pertaining to the winch or windlass. The drive shaft, capstan and gypsy are positioned vertically to the deck.

Winch A windlass driven by a hand or power-operated crank or gearbox. Often implies to pull or lift a weight by using a winch.

Windlass A machine for raising a weight by winding a rope and/or chain around a drum or chainwheel, driven by a crank, motor, etc.

Working load Often referred to as the normal working load or the typical lift of the winch. This is usually somewhere between 25% to 35% of the maximum pull or rated lift. This workload should approximately correspond to the total weight of the anchor and rode aboard the boat.

Superyacht Windlasses and Capstans

For over four decades Maxwell Marine has been supplying anchoring solutions to the global marine market. The Superyacht industry poses unique challenges. Quality, reliability and style are a must. Owners and captains depend on the finest equipment aboard their luxurious vessels to see them safely around the world or cruising in their home waters. Maxwell Marine has become the manufacturer of choice on many of the world's Superyachts.

The 21st century has presented Maxwell Marine with new opportunities and challenges. Larger Superyachts mean larger windlasses and anchor handling equipment. In response Maxwell has continued to develop and expand its highly successful 'SY' Series Superyacht windlasses. Complemented by new and innovative deck gear, such as

integrated Roller-Stopper-Tensioners, Compressor-Roller-Tensioners and Chain Pipe-Rollers, Maxwell is able to meet the demands for a complete and integrated anchoring package for Megayachts.

All Superyacht products are manufactured to the stringent international requirements of ISO9001 and are covered under the European CE standard. Maxwell Superyacht products are, and can be, certified to any of the major classification societies such as Lloyds, DNV, ABS, BV, etc.

For more information about Maxwell Marine's extensive range of Superyacht products and services, see their new Superyacht catalogue and information guide or visit www.maxwellmarine.com alternatively contact: superyacht@maxwellmarine.com.



The NEW SY38

The SY38 is the latest in Maxwell's SY Series of Superyacht windlasses; developed and built to handle up to 38mm stud link chain and suitable for vessel lengths of approximately 100 metres. The SY Series gives Maxwell the ability to offer customers highly competitive, top quality anchoring equipment, without over or under specifying power, strength, reliability or performance.

Developed and engineered in response to the demand for bigger and stronger anchor windlasses for today's larger Superyachts and Megayachts, Maxwell has once again broken through the innovation boundary.



Maxwell Plots a New Course

Maxwell Marine is proud to be part of the Vetus, world wide group of companies, whose commitment to quality through innovation and design reflects Maxwell's vision of Marine Excellence:

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MAXWELL

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