

# Barton



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55<sup>th</sup> EDITION







For more than seventy years, Barton Marine has set the benchmark for high quality marine deck hardware. Our products are made in the UK at our purpose-built factory in Whitstable on the North Kent Coast, with a range running to more than 2,000 specialist products. Through our trusted distribution partners, our products can be found in leading chandleries around the world in more than 40 countries. Barton Marine pioneered the use of fabric based laminated plastic called Tufnol back in 1948 and we continue to innovate at the forefront of research and development in the use of lightweight, high-performance technology for today's demanding sailor.



British made since 1948

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## **Mainsheet System**

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**SUPERIOR**  
lightweight  
YACHT FITTINGS

Manufacturers of  
**TUPHblox**  
**TUPH fittings**  
**Saylon** nylon  
BOAT  
equipment

*R.S.J. Barton LIMITED*  
144-146 CROSWELL ROAD,  
WHITBYTAPLE, KENT Whitby TN21 2JF

1968

**Barton**  
**easy rollers**

a superb  
range of free  
running  
ball  
bearing  
blocks

1978

**NEW YACHT EQUIPMENT**  
**for the 80s**

**The Barton HALLIARD CLUTCH**

Part No. 502 Actual Size

Patent applied for Registered Design No. 807475

The BARTON Halliard Clutch has been designed as a safe device for securing a rope halliard. The Halliard can be released from the clutch with one finger, even when heavily loaded. This superior order type of halliard stoppers, which it is necessary to attach to the halliard and take a load off the clapper before it can be released.

The second important advantage of the BARTON Halliard Clutch is that the act can be locked with the lever in the locked down position as the rope passes, heavy in one direction, but it is released from returning against the load imposed by the act by a marginless bounce spring-loaded cam.

The BARTON Halliard Clutch should be fitted to the deck approximately 2 ft. forward of the winch in line with the lead of the halliard as accurately as possible, both horizontally and vertically, with the fulcrum of the lever facing forward.

The BARTON Halliard Clutch is a robust and intricately designed piece of additional deck hardware which can be used with safety and greater efficiency to secure the Genoa and Jibsheet Hanks on most modern yachts (yacht can be approximately 30 ft. in length. It can hold a load of up to 500 lbs. using 10 mm rope).

**MATERIALS**  
FULCRUM AND STEEL, BRASS 1985 PHOSPHOR BRONZE  
WINDWARD BEARING SURF: ANODIZED ALUMINIUM BRASS

**DIMENSIONS**  
LENGTH 4 1/2" 100 mm  
WIDTH 1 1/2" 38 mm  
HEIGHT 2 1/2" 63 mm  
FIXED BOLT CENTRES 2 1/2" 63 mm  
BOLTS REQUIRED 3 1/4" 8 mm A/F 10  
ROPE CAPACITY 8 - 10 mm

Three shuttles are available. Single Unit as illustrated, a Double Unit and a Triple Unit. The locking levers are supplied in three distinctive colours, Black, White and Red for halliard identification. When ordering please state pattern number required.

Single Unit Part No. 502  
Double Unit Part No. 501  
Triple Unit Part No. 503

**Barton**  
YACHT EQUIPMENT

1981

**Barton**

**R.S.J. BARTON LIMITED**  
146-150 Croswell Road, Whitby, Kent CT9 2JF, England  
Telephone: Whitby (01227) 273917 Telex 955302

1983

**Barton**

**YACHT EQUIPMENT**

1984

**Barton**

1987

**Barton**

**The Barton Catalogue**

1991

**Barton**  
**nautilus**  
**winches**

1999

**Barton**  
**bartonmarine.com**  
Marine Equipment Catalogue

**Control the power**

2016



**"...engineered  
to improve  
strength and  
performance."**

Welcome to the 55<sup>th</sup> edition of the Barton Catalogue. This is the first issue to include the complete range of our new generation of blocks, launched in 2018. Through our innovative design process we've produced a block range which is smaller, lighter and stronger for today's demanding sailor. The new generation block range has been engineered to improve strength and performance – all offering greater load ratings and protection against the elements. You'll notice how the steel frame is encased inside the glass fibre side plates and we've updated the colour to a darker, richer slate grey.

Our Victory range of classic wooden blocks continues to expand. Designed for the sailor who is looking for a classic look, but with all the performance and qualities of our core range. The Victory range is much lighter than traditional wooden blocks and offers ball bearing block performance.

As Barton Marine enters its 8th decade of manufacturing, we present the 55<sup>th</sup> edition of the Barton Catalogue. It's interesting to look back at past covers to see how our brand has changed over the years since Ron Barton first launched the company in 1948. Ron was a keen sailor himself and the founding principle of the company was to produce a range of hardware designed by sailors, for sailors. Today, the product range runs to over 2,000 products.

We remain committed to investing in manufacturing in the UK. All our products are researched, designed, manufactured and assembled in our headquarters in Whitstable, on the North Kent Coast. Our knowledgeable Barton Team members are happy to offer technical advice, distributor information and equipment suggestions for rigging your boat.

Suzanne Blaustone

CEO

# PRODUCT GUIDE

To ensure your safety, your yacht's performance and to make certain that you get best value for money, we provide guides to clarify your deck gear choices.

The diagrams on page 12 and 13 explain how to achieve many tasks from increasing the purchase on your kicker system to ensuring your halyards are lead back into the cockpit correctly.

Our suggested boat size table on page 10 & 11 is designed to help you correctly identify the right size of product for your application. From picking the correct size of blocks for your mainsheet system to ensuring you have the right size and type of blocks for your mast base, we provide some simple rules to consider when choosing a product.

Our team of experienced sailors are always available to assist you when making choices. Please contact us by phone or email at any time.

## Some tips when selecting and fitting blocks...

- Ensure the block is strong enough for the job required (rope capacity does not denote strength).
- Plain bearing versus ball bearing sheave – ball bearing sheaves do not hold the same load as plain sheaves – see page 9 for advice
- Check line capacity is sufficient. A tight fit will increase friction, and cause wear to the block and line.
- Always ensure a fair lead. Blocks are designed to have the load running directly through the central axis.
- Never load one sheave of a double block.
- When fitting blocks always ensure that there is sufficient articulation.
- When fitting cam cleat blocks, ensure that the cam cleat is set at the correct angle to allow easy release.
- Foot blocks & cheek blocks should always be through-bolted for maximum strength.

## Care of blocks and deck fittings...

- Regularly rinse blocks and deck fittings with fresh water to remove salt.
- Ensure that sheaves run freely.
- Check all blocks on a regular basis.
- Check shackles for signs of strain or overload.
- Inspect cam cleats for excessive wear.



IMPORTANT  
SAFETY  
INFORMATION

**Foot Blocks:** Fastenings of the minimum diameter suggested should be used to gain full load capacity. Ensure that suitable mounting pads are provided under deck. Stacking blocks to achieve doubles will reduce working loads quoted.

**Boat Sizes:** Suggested boat sizes are given as guidance only and assume a monohull with boom end sheeting, loaded vertically to the traveller. Mid-boom sheeting, severe angled take offs and curved tracks can impose greater loads and suitable allowances should be made for this. If at all unsure of your choice it is important to seek further advice. If you are close to the maximum boat size suggested, we would advise upgrading to a Torlon package, long car or the next size up.

**Mast Steps:** Mast steps should always be used in conjunction with a Bosun's chair. Always have a crew member at hand to control the halyard. Do not go aloft barefoot and always put safety first when going aloft.

## Available Fixtures

### Fixed Eye

A plain attachment eye.



### Snap Shackle

A cast stainless steel swivelling snap shackle - ideal for quick release downhauls or vang.



### Becket

All the appropriate blocks are available with or without becket.



### Swivel

Range of 316L stainless steel high load performance swivel shackles.



### Double Tang

For use with the Barton mast base organiser.



### Variloc

Allows the swivel to rotate fully or be locked at one of 3 angles.



### Reverse Shackle

Allows the shackle to be turned through 90°.

