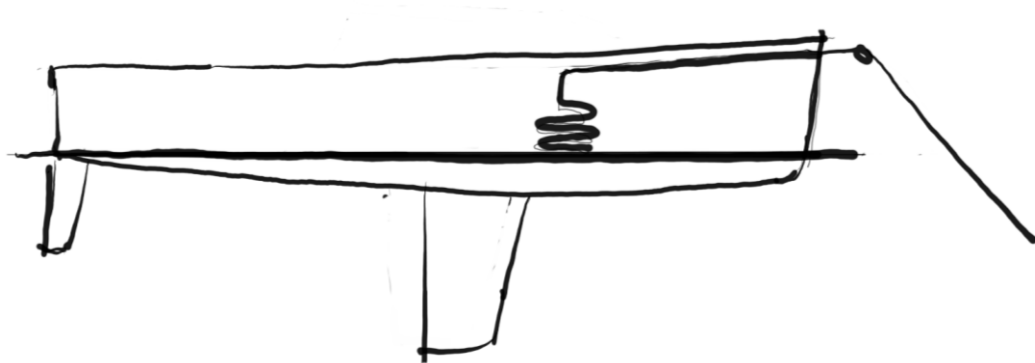


PRODUCT SUMMARY

RODE STOW

SYSTEM FOR MOVING AND STOWING ANCHOR CHAIN/WARP (RODE) AFT IN THE VESSEL



DESCRIPTION

A system of rode guiding fixed composite turning blocks, and a supported under deck tube and seals that enables transfer of rope/chain or all chain rodes farther aft in the vessel near to the centre of gravity. A significant performance improvement is expected for sailing vessels by reducing pitching. The windlass and rode are located in a drier and more accessible location several metres back from the bow, usually abreast the mast.

Due to the variation between vessels, design and planning work is required to determine the best placement and arrangement of components. A structural shelf is required to mount the anchor windlass.

DEVELOPMENT STATUS/VERSION

The prototype was developed and installed in 2023. Has passed practical testing in normal use, performing very well.

BENEFITS

- Reduced pitching
- Windlass is typically more readily available accessible for maintenance
- The windlass is less exposed to the weather and there is less deterioration
- The amount of water in the aft located chain locker will typically be less than a bow locker as water will be shed as the rode passes through bow turning blocks
- Suitable for new or retro fit applications
- Sheave cages can be painted and adhered to the vessel structure as well as fastened
- Components are supplied as a kit after liaison and determination of specification and best arrangement.

NOTES

- The system is intended to accommodate 8mm or 10mm chain.
- A hatch may be installed over the winch to enable access to the windlass/access to remote switch/ventilation.
- Switching at the bow and at the winch is recommended.
- Turning blocks cages are heavy duty carbon with e glass in rubbing areas. A combination of horizontal sheave and vertical sheave blocks are used.
- Clearances around blocks and tube are generous.
- Any windlass brand can be used. Vertical winches without capstan are more compact and their gypsy's contact the chain for approx.90 degrees compared to horizontal equivalents (approx. 45 degrees).
- We recommend that clutch equipped windlass are used to allow unloaded rode to feed out without risk of jamming.
- The tube system utilises rubber seals at each end to prevent water ingress.
- Boatbuilding work will be required for retro fit installation work.

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