New QL Mechanical and Hydraulic Steering Systems

Models: QL Accessories

QL Mechanical Steering System
A new product range of mechanical steerings is now introduced and available for delivery. The new range comprises four steering gears, all using a Planetary Gear Design, as well as a new range of steering cables. For further details of the new product range (part numbers etc), please see product leaflet 7745828.

- As a replacement of the previous rear mount steering gear 853181, use the new gear 3818019 or 3818023 (Non-Feedback type), however be aware of that the new steering gears require another type of installation kit, using a different drill template.
- A new rear mounted gear "No-feedback type", is now part the product range.
- The two rear mounted steering gears are also available for installation with the new tilt mechanism, allowing adjustable steering wheel angle (+1-24 degrees and five locking positions)
- The new steering cables also fit as replacement cables for the superseded mechanical steering gear 853181.

QL Hydraulic Steering System
A new product range of hydraulic steerings is now introduced and available for delivery. The new range comprises three types of helm pumps, i.e. front mount, rear mount and tilt mount. Each type is available with three different pump displacements, i.e. 28-, 33- and 39cm³ revolution. Also three steering cylinders are available, displacement 116-, 168- and 215 cm³ respectively. All three cylinders are intended for boats with rudder installation. For further details of the new product range (part numbers etc), please see product leaflet 7745828.

- The new helm pumps require a different template compared to the previous helm pump, 1140580.
- The tilt mount pumps installed with the tilt mechanism, allow adjustable steering wheel angle (+1-24 degrees and five locking positions)
- The cylinders are all of balanced type, i.e. equal number of turns lock-to-lock port to starboard and vice-versa.
Select the appropriate steering system for your boat

QL steering systems include mechanical and hydraulic systems. The QL mechanical steering system is based on a planetary gear design that provides an optimum reduction ratio with a minimum of physical effort. Installation is simple and requires no special tools. The QL hydraulic steering system offers a wide range of both pumps and cylinders for various installations. All QL steering systems are specifically adapted to marine conditions, which means they are airtight and made of corrosion-resistant materials and are suitable for use with the QL steering systems.

Selecting the appropriate steering system is an important factor for the function and safety of your boat. You should always consult qualified personnel when selecting, installing, and maintaining a steering system for your boat.

QL Mechanical Steering

The QL mechanical steering system is available in both manual and power steering versions. Power steering allows for increased efficiency and reduced effort compared to manual steering systems. The steering wheel is designed to rotate in the same direction as the rudder, ensuring smooth and continuous control of the boat's direction.

Feedback steering

The steering system of a boat is the mechanism that determines the boat's direction when the steering wheel is turned. For any maneuver, the steering wheel must not rotate too far, as this can cause a sudden change in direction of the boat. To select the appropriate feedback type, consider the size of the boat, the type of operation, and the expected load on the steering system.

QL Hydraulic Steering

A hydraulic steering system consists of a control valve, a cylinder bank, a steering wheel, and a feedback mechanism. The control valve allows the driver to control the steering of the boat, while the cylinder bank applies the hydraulic pressure to the steering mechanism. The feedback mechanism prevents the steering wheel from rotating too far, ensuring the boat's direction remains stable.

Adjustable steering wheel

The steering wheel is a critical component of the steering system. It should be adjustable to fit the driver's needs and preferences. A steering wheel that is too large or too small can be uncomfortable or inconvenient. The steering wheel should also be adjustable for both horizontal and vertical movement. The QL hydraulic steering system offers a wide range of steering wheels to suit various needs and preferences.

To be connected when selecting a hydraulic steering system

The steering system should be connected to the engine's power source. The steering system is typically controlled by a control valve, which directs the hydraulic fluid to the steering mechanism. The control valve allows the driver to control the steering of the boat, while the steering mechanism applies the hydraulic pressure to the steering wheel. The steering wheel is connected to the steering mechanism, allowing the driver to control the boat's direction.

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QL Discontinues Marine Electronics Range

Models: QL Accessories

Distribution: Parts  Date: 12-2005  Binder: Parts  Replaces:

The range of marine navigational electronics was introduced 2000, but unfortunately the sales volume has been developing very poor since then. In addition to that, our supplier is now renewing several of the main components, which have a major impact on the current range offered by Volvo Penta.

This means that when sold out there will be no replacement item for the products below:

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