

C.E. & A. Co.

KEYLESS RUDDER CARRIER BEARING HEAVY DUTY

The Heavy Duty Rudder Carrier Bearing developed by C.E. & A. Co. is a simple, economical, low maintenance system designed for easy installation on any rudder or nozzle arrangement.

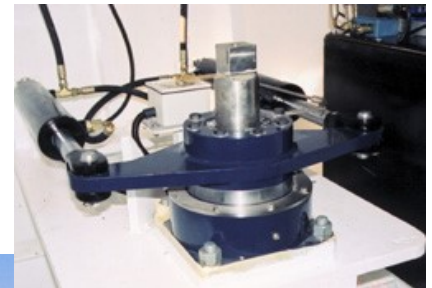
The advantages of the Rudder Carrier Bearing are that there are no keys or keyways, so the full diameter of the rudder stock is utilised. It also requires only parallel rudder stock, eliminating the need to machine and fit tapers. All this adds up to a saving in time and money. The low maintenance provides further long-term savings.

Mounted on top of the rudder trunk or support shelf, the Rudder Carrier Bearing supports the full load of the rudder whilst allowing it to turn smoothly. Axial load is transmitted via a high load capacity cone clamping element.

The Rudder Carrier Bearing can be supplied as a support unit only (no tiller) or complete with a Tiller Arm Attachment with custom designed tiller arms. Incorporating a second and sometimes a third cone clamping element the Rudder Carrier Bearing now becomes the tiller unit as well, capable of transmitting more torque than is required by Classification Societies.

If the Rudder Carrier Bearing is mounted directly to the top of the rudder trunk, the unit now becomes a Support unit, a Tiller unit and the rudder trunk Seal unit all in one. No need to fit separate items, again a saving in installation time.

The Heavy Duty Rudder Carrier Bearing is available to suit stock sizes from 75mm to 240mm+.



Spirit of Kangaroo Island

Built by Austal Ships WA

Length 50.37m

Beam 18.25m

Maximum speed: 17.8

knots

Main Engines: 2 x Caterpillar V12 engines producing 1118bkw per engine

Rudders: 2 x articulated rudders giving greater manoeuvrability in tight area.

Heavy Duty Rudder Carrier Bearing

100mm stock

Torque Capacity 28.8 kNm



Fishing Vessels

Adelaide Ship Construction International use the Heavy Duty Rudder Carrier exclusively on their New Generation Trawlers and Purse Seiner Vessels.

75mm Heavy Duty Rudder Carrier Bearing.

The Keyless Heavy Duty Rudder Carrier Bearing is well suited to all types of vessels



C.E. & A. Co. PTY. LTD.

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KEYLESS RUDDER CARRIER BEARING STANDARD DUTY

The Standard Rudder Carrier Bearing has been developed from our very successful Heavy Duty Rudder Carrier Bearings to suit vessels such as yachts, catamarans, motor cruisers and work boats with stocks under 70mm diameter. Utilising a system where NO keys or keyways are required saves time and money in installation and maintenance. All that is required is a straight parallel rudder stock. Manufactured from quality materials the Standard Duty Rudder Carrier Bearing is engineered to last. Simple and efficient, it has proven cost effective when compared with a keyed system. Tiller Arms or Quadrants can be attached direct to the Rudder Carrier Bearing, eliminating the need to fit additional equipment to the rudder stock. As the Standard Duty incorporates rudder stock seals in its design it is a 3 in 1 - Rudder Support, Tiller Arm and Rudder Stock Seal. No need for anything else.



70 mm Standard Duty Rudder Carrier Bearing

Aluminium Body

Custom Tiller Arm to suit Hydraulic Cylinder and Tie Rod



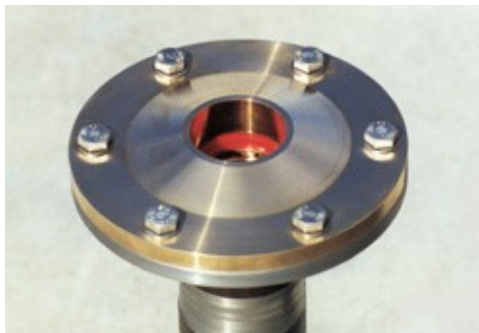
50 mm Standard Duty Rudder Carrier Bearing

AGM Body

Custom Tiller Connection to attach steering quadrant

For some vessels the full Rudder Carrier Bearing is somewhat of an overkill, so we custom design and manufacture a Rudder Trunk System incorporating Rudder Trunk - in either Steel, Stainless Steel, Aluminium or Fibreglass - Upper and Lower Bearings, Seals, Support Boss and Tiller Arm. The principle and quality of materials is the same as we would use when supplying a Standard Duty or Heavy Duty Rudder Carrier Bearing.

Designed to suit stocks from 1.1/2" to 70mm.



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