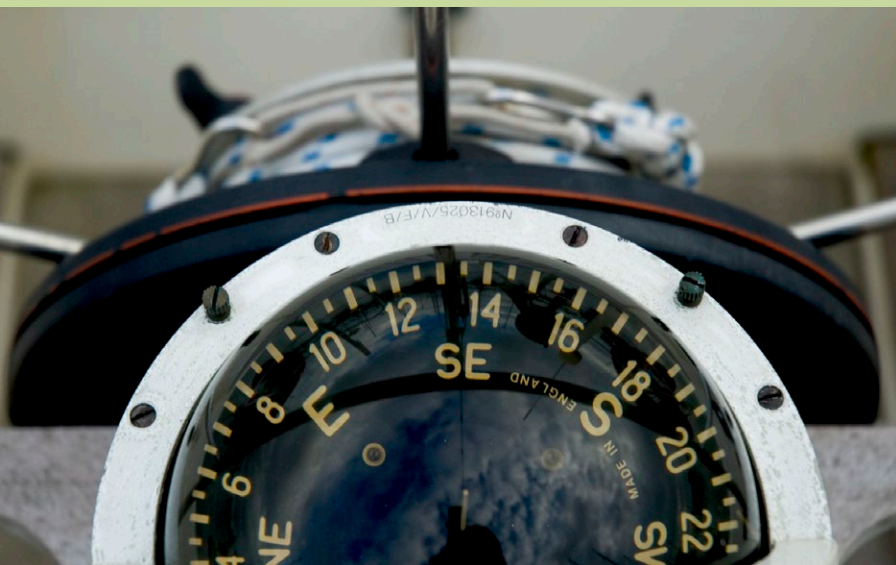


CJ Bearings Provide Smooth Sailing to Marine Navigation

■ A partnership with TriStar gives you a competitive edge.



An interesting application for marine navigational equipment came through our lab recently when we partnered with the manufacturer of a self-steering rudder. This auxiliary helm application was the perfect match for CJ bearings, which are among the best for chemical and salt-water tolerance.

Our partner designs self-steering systems for transoceanic circumnavigation. Their unique auxiliary helm devices use a wind vane to automatically adjust the rudder as wind and sea conditions dictate.

The helm device is unusual in that it requires neither electric power nor expensive navigational equipment to maintain steady course; which is why it has been dubbed the "sailor's best friend." We installed CJ bearings on the cable sheaves and pivot points throughout the steering mechanism.



CJ Bearings

Both CJ and FCJ bearings are widely accepted in marine applications since they offer:

- Resistance to UV and salt water
- Stability in rough ocean conditions
- Tight tolerance controls

[Explore the advantages of CJ bearings](#) for your next naval application; they excel in high-load bearings for sheaves, davits, winches and on-board and dockside cranes.

Want to learn more?

- [Explore the advantages of CJ composite bearings in our new video.](#)
- [Find out why TriStar designers lead the industry in innovative marine industry solutions.](#)
- [Download the CJ & FCJ Brochure.](#)

We're ready to put our engineering expertise to work for you from prototype to production.

Engineering | Custom Fabrication | Manufacturing



CJ Composite

- Self-Lubricating
- Low weight | High Strength
- Chemical Resistance
- Direct replacement for Bronze



Ultracomp[®]

- Self-Lubricating
- High Load | Low Speed
- 54,400 PSI Compressive Strength
- Exceptional Resistance to Vibration and Impact



TriSteel[™]

- Self-Lubricating
- High Load | High Speed
- Metal Backed Bearing System
- 100% Lead Free



Rulon[®]

- Self-Lubricating
- Low weight | High Strength
- Low Coefficient of Friction
- Chemically Resistant



Enhanced Materials Division

- Plasma Surface Treatment
- Specialized Primers & Coatings
- Material ID & Selection
- Process Engineering | Analysis & Testing



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