

# RESEATING NEW RUDDER BEARING WITH BELZONA

ID: 1478

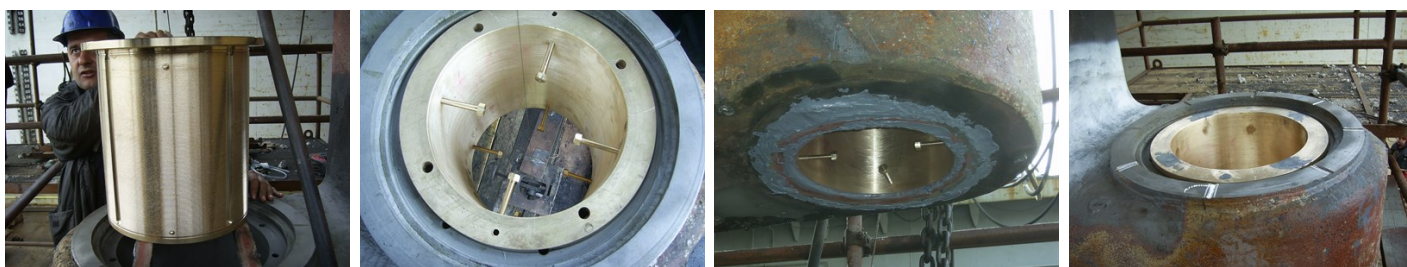
Industry: Marine  
Application: SOS-Ships and Offshore Structures

Customer Location: Dockyard, Bulgaria  
Application Date: June, 2010

Substrate: Cast Iron housing & Bronze bearing  
Products: \* Belzona® 1221 (Super E-Metal) ,  
\* Belzona® 1321 (Ceramic S-Metal) ,

## Problem

Corrosion damage and severe wear led to destruction of the old bearing and irregular form of the housing leading to increased annular space between the new manufactured bearing and the housing.



## Photograph Descriptions

- \* Bronze bearing machined and ready to be inserted in to the housing ,
- \* Centralizing of the bearing in progress ,
- \* Bae of bearing sealed with Belzona® 1221 ,
- \* Finished application after injection of Belzona® 1321 ,

## Application Situation

Installation of new bronze bearing in oversized bearing housing.

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SOS-9. The injection was through flexible hose placed into the four channels made in the back of the bearing.

## Belzona Facts

Belzona saved time and money against expensive machining of the housing and supply of larger bronze bush. No alternative was fast enough to compete. This standard repair procedure eliminates galvanic corrosion and provides long term location of the bearing.

For more examples of Belzona Know - How In Action, please visit <https://khia.belzona.com>

ISO 9001:2015  
FS 695214  
ISO 14001:2015  
EMS 695213

Belzona products are  
manufactured under an ISO  
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