

# BELZONA RESEATS NEW RUDDER BEARING

ID: 1480

Industry: *Marine*  
Application: *SOS-Ships and Offshore Structures*

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

Substrate: *Cast iron and Orkot bearing*  
Products: *\* Belzona® 1221 (Super E-Metal),*  
*\* Belzona® 1321 (Ceramic S-Metal),*

## Problem

*Severe corrosion and impact wear led to destruction of the old bronze bearing and ovality of its housing. As a result a new Orkot bush bearing was manufactured and had to be resealed in the irregular bearing housing.*



## Photograph Descriptions

- \* Bearing housing after blasting ,
- \* Orkot bearing inserted and fixed ,
- \* Injection procedure in progress ,
- \* Completed application ,

## Application Situation

Ships rudder pintle bearing

## Application Method

Application was carried out in accordance with Belzona Know-How System Leaflet SOS-9. The injection of Belzona® 1321 was done through injection ports drilled in the bearing wall.

## Belzona Facts

Bonding the bush in place with Belzona is a proven application and is time and cost saving procedure in comparison with traditional repair which would have involved welding and boring.

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  
9000 Registered Quality  
Management System.

[www.belzona.com](http://www.belzona.com)

  
**BELZONA**  
Repair • Protect • Improve