

# BELZONA REBUILDS OVERSIZED PINTLE HOUSING

ID: 1281

Industry: Marine  
Application: SOS-Ships and Offshore Structures

Customer Location: Dockyard, Bulgaria  
Application Date: February, 2009

Substrate: Cast Iron  
Products: \* Belzona® 1111 (Super Metal) ,  
\* Belzona® 1221 (Super E-Metal) ,

## Problem

Keyway and rudder pintle housing were oversized due to erosion corrosion and impact.



## Photograph Descriptions

- \* Rudder pintle with false key used as former ,
- \* Adjusting unit for rudder pintle positioning ,
- \* After application of Belzona® 1111 the rudder stock was positioned ,
- \* The oversized housing and keyway restored to exact profile ,

## Application Situation

Oversized housing and keyway of rudder pintle.

## Application Method

Application procedures were made according to Belzona Know-How System Leaflet SOS-3. The oversized housing and keyway were rebuilt using the rudder pintle with a false key as former. Belzona® 1111 was used for the main repair and Belzona® 1221 was used to fill some voids along keyway.

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  
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## Belzona Facts

The repair was done on-site and completed in a few hours. In this situation conventional repair by welding and then machining was considered to be time consuming, complicated and too expensive.

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