

BELZONAS OPTIMIZED BEARING INSTALLATION

ID: 834

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

Customer Location: *Shipbuilders in Germany and USA*
Application Date: *Various since 1990*

Substrate: *Carbon Steel*
Products: ** Belzona® 1211 (E-Metal) ,*
** Belzona® 1321 (Ceramic S-Metal) ,*

Problem

Conventional methods of installation result in lengthy times for machining of the housings. Corrosion can still occur if stainless steels are used.



Photograph Descriptions

- * Aft end of containership ,
- * Positioning and sealing of lower annulus ,
- * Injection of Belzona® 1321 ,
- * Vent ports installed to ensure void free application ,

Application Situation

Container Ship Rudder Bearings

Application Method

The application was carried out using a modified version of Belzona Know-How System leaflet SOS-4.

Belzona Facts

In this case the synthetic bearing was seated in a steel carrier ring. Bonding with Belzona® 1321 prevents the risk of crevice corrosion and fretting. On this vessel the stainless steel pintle liners are also bonded to prevent galvanic corrosion. Over 30 ships in this class have used this installation method in both Germany and the USA.

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

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