

# BELZONA ANCHORS NEW RUDDER BUSHES IN POSITION

ID: 253

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

Customer Location: *Shipping - International car transporter*  
Application Date: *April 2000*

Substrate: *Synthetic bearing and steel*  
Products: *\* Belzona® 1321 (Ceramic S-Metal) ,*

## Problem

*The original bushes were bronze and had caused galvanic corrosion of the housing within one year, becoming loose.*



## Photograph Descriptions

- \* Condition of corroded housing before repair ,
- \* Installation of the synthetic bearing, using Belzona 1321 as both adhesive and coating and "screwing" bearing into the housing ,
- \* Completed repair ,
- \* Location of the slider on top of the rudder flap ,

## Application Situation

Becker flap rudder slider bearings.

## Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet SOS-9. Belzona® 1321 functions as structural adhesive, support, and coating in this application.

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.

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Repair • Protect • Improve

## Belzona Facts

This method significantly reduced the installation time and cost for bearing replacement, and extended the lifetime of the component, by eliminating future galvanic, crevice, or general corrosion from this part of the rudder. Four rudders were repaired in less than a week and Belzona is used from new to prevent these problems.

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