

## BELZONA PROVIDES OPTIMISED SOLUTION FOR BEARING INSTALLATION

### CUSTOMER

UK (Cornish) Luxury Yacht Builder

### APPLICATION DATE

2002

### APPLICATION SITUATION

Installation of bearings into the stern tube housing

### PROBLEM

Conventional methods of installation require many hours of machining time for press fitting. In service they can become slack through fretting and galvanic corrosion

### PRODUCTS

Belzona® 1121 (Super XL Metal)  
Belzona® 1321 (Ceramic S Metal)  
Belzona® 9411 (Release Agent)

### SUBSTRATE

Aluminium

### APPLICATION METHOD

The application was carried out using a modified version of Belzona Know-How System Leaflet SOS-9. The bearing housing is grit blasted and the bearing rough turned prior to alignment and injection of the Belzona® 1321. Belzona® 9411 was only used on the alignment bolts to allow their later removal.

### BELZONA FACTS

This luxury yacht, 27.37m long, was designed by the leading New Zealand designer Ron Holland, and is classified by ABS.

### PICTURES

1. Bearing aligned. Note the injection port with valve under the housing.
2. Forward inboard view of stern tube.
3. Completed application.



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



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