

# BELZONA REPAIRS DRILLING MACHINE THREAD

ID: 5411

Industry: *General Industry*  
Application: *ENC-Engines and Casings*  
Substrate: *Steel*  
Products: *\* Belzona 1111 (Super Metal) ,*

Customer Location: *Lynchburg, VA, USA*  
Application Date: *July 2014*

## Problem

*Worn threads on drilling machine would not allow the drill to seal properly, allowing water to leak and lose water pressure.*



## Photograph Descriptions

- \* Overview of the drill ,
- \* Male thread being placed underneath the female piece ,
- \* Oversized female thread filled with Belzona 1111 ,
- \* Belzona 1111 applied on male thread prior to placing both pieces together to complete the application ,

## Application Situation

Threads on drilling machine were worn.

## Application Method

The threads were cleaned, using a suitable cleaner/degreaser and a wire brush on the female threads. A release agent was used on a new male thread piece. Belzona 1111 was mixed and applied to both male and female threads. The new piece was screwed into the worn female piece. The excess was wiped off and it was allowed to cure overnight. The new piece was removed in the morning, inspected and then screwed back and sealed. The drill has been constantly used for 2 months now and there are no signs of leakage.

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

Replacing the female drill piece would be very expensive, with thousands of dollars in cost. Additionally, the new piece would have to be ordered, which would take several days to receive, increasing downtime.

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