

# BELZONA OFFERS THE KEYWAY TO SUCCESS

ID: 5337

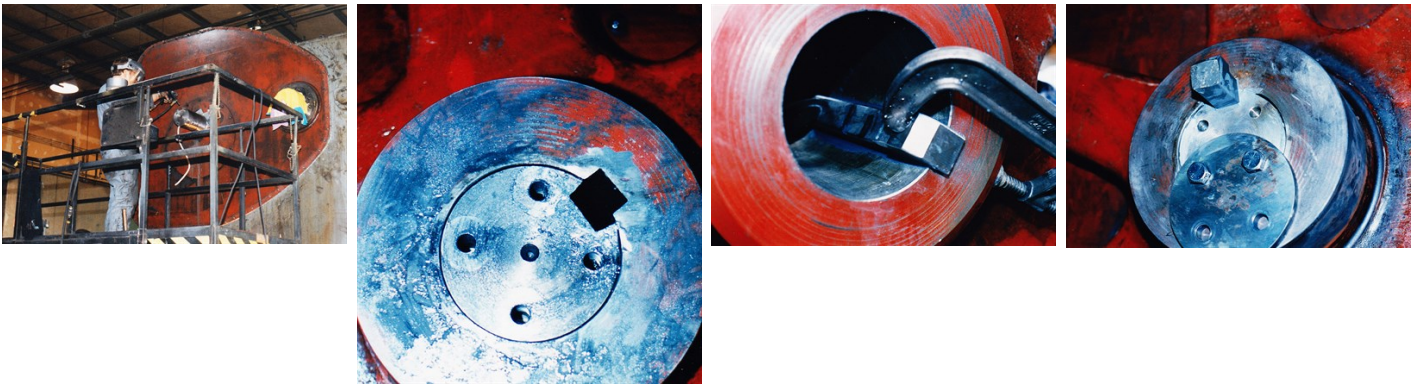
Industry: General Industry  
Application: MPT-Mechanical Power Transmission

Customer Location: Washington, USA  
Application Date: 1992

Substrate: Steel  
Products: \* Belzona 1111 (Super Metal) ,

## Problem

The keyway on this large punch press had been pounded oversize front, with a back and forth action ending in a hard stop each way.



## Photograph Descriptions

- \* Punch press, blasting the keyway ,
- \* Before sheave removal, showing damage to the keyways ,
- \* Forming the sheave keyway ,
- \* Forming the shaft keyway ,

## Application Situation

Large punch press keyway.

## Application Method

Both halves of the keyway were worn, but the shaft was worn more than the sheave. The keyway was grit blasted for maximum bonding. The sheave side was formed first then the shaft was formed, using the sheave to center the new keyway. The application was carried out in accordance with Belzona Know-How System Leaflet MPT-4.

## Belzona Facts

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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Removal of the shaft for machining would take much too long. The keyway was reformed in-place and the punch press is still operating 22 years later. This keyway takes a beating daily and nothing works as well as Belzona.

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