

BELZONA HELPS REBUILD TOLERANCE LOSS DUE TO MILL SCALE

ID: 10032

Industry: Other
Application: GSS-Gaskets, Seals and Shims
Substrate: Carbon steel
Products: Belzona 1121 (Super XL-Metal)

Customer Location: CAMBRIDGE, ON.
Application Date: October 2025

Problem

Newly fabricated cylinder experiencing reduction in diameter due to mill scale formation on some parts of the surface.



Cylinder with millscale



During surface preparation



After rebuilding with Belzona 1121



After machining

Application Situation

Newly fabricated cylinder experiencing reduction in diameter due to mill scale formation on some parts of the surface. Belzona was used to build the surface and machined to the required tolerance.

Application Method

Surface preparation was carried out to the level of cleanliness of SSPC SP11. Then thorough solvent cleaning was done before the application of Belzona 1121 was carried out. Surface was then machined to the required diameter afterwards.

Belzona Facts

Belzona is only feasible time saving option, with flexibility to corrections.

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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