Castolin Eutectic®
Eutectic Castolin

Hardbanding
For Oil and Gas drilling

TESTED & APPROVED
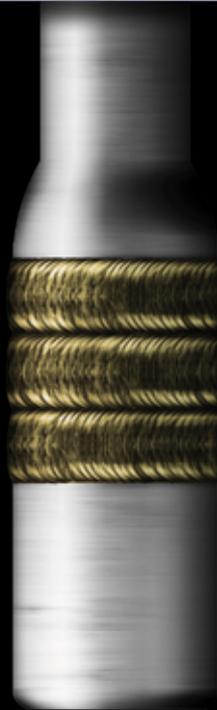
OTW 12Ti

Optimized Performance

- Crack Free Design
- Casing Friendly
- Optimized Tool Wear Resistance
- Flexible Rebuild Design

Description:

OTW 12Ti actively prolongs against wear in the most extreme drilling conditions, as demonstrated by its performance in highly deviated well & open hole applications. Maximum drill pipe life is achieved through superior wear-resistant properties, coupled with the ultra-smooth, casing friendly features preferred by most oil companies.

OTW 12Ti Titanium-Carbide chemical composition creates a martensitic matrix, which infuses ultra-smooth / ultra-fine compounds into an abrasion resistant, ultra-hard microstructure, ensuring optimal strength and metallurgical integrity.

OTW 12Ti hardness scale of 61.5 HRC, combined with our Non-Cracking (NCD) and Flexible Application Designs (FAD), enables high load, open hole performance while simultaneously meeting all casing friendly requirements. End-users yield a higher return on investment and long-term savings through **OTW 12Ti**'s life-extending drill pipe technology. **OTW 12Ti** can be reapplied over itself and most other hardbanding materials, ensuring quick and easy repair in even the most remote locations.

OTW 12Ti is a flux-cored wire alloy, designed & manufactured by Castolin Eutectic in our own state-of-the-art facilities, ensuring the highest degree in quality control. Furthermore, OTW is certified by NS-1 for application and reapplication of tool joints.

Overview:

- **Casing friendly**
- **Combination of open hole & casing wear performance**
- **Highest open hole resistance in its class**
- **Ideal for application over existing hardbanding material**
- **Fully compatible with all "non-cracking" hardbanding products**
- **Ideal for all-purpose hardbanding applications**
- **Flexible Application Design (FAD) & Non-Cracking Alloy Design (NCD)**

OTW 12Ti hardbanding alloy applied on a tool-joint

Mohr T95 Casing Wear (%)

ASTM G65 Abrasion Wear Test Procedure "A"
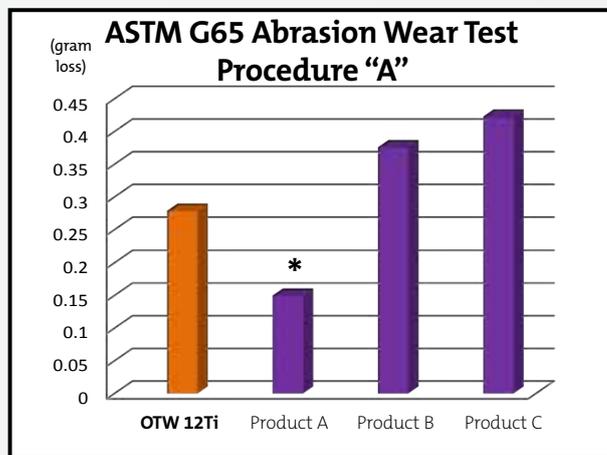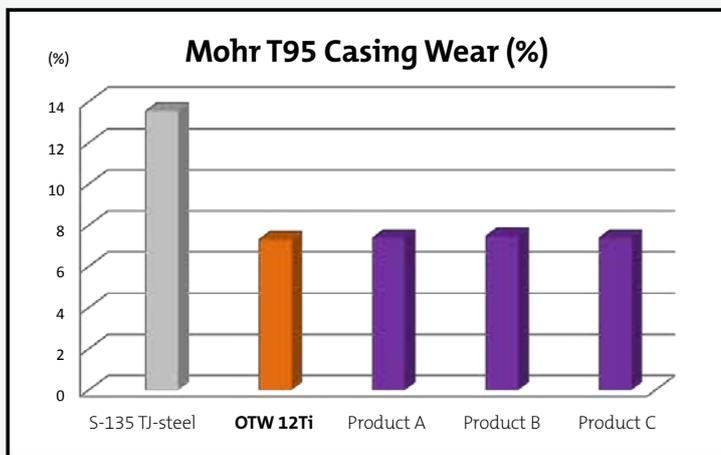
Product A * - **Cracking** type alloy,   Product B & C - designed to be crack free