



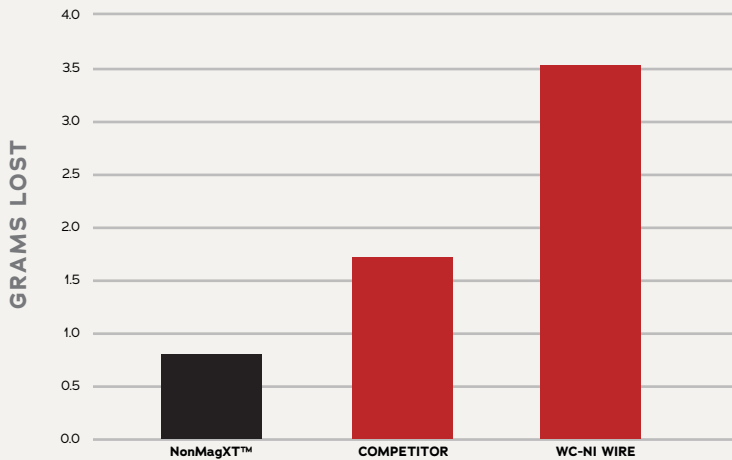
NonMagXT™

Arnco **NonMagXT™** is a non-cracking, iron-based alloy designed to protect stainless steel drill collars and non-magnetic tools from wear and abrasion.

The iron-based chemistry of **NonMagXT™** allows deposits to form the same microstructure, with an austenitic matrix, as a typical non-magnetic collar. This ensures the parent material and hardband will expand and contract at an equivalent rate when exposed to heat and stress down-hole. Thermal expansion rates of nickel-based hardbanding materials are dissimilar to austenitic stainless steel collars. This mismatch between the parent metal and hardband frequently results in work-induced cracking.

NonMagXT™ workhardens after application. While the bulk of the deposit maintains hardness values around 36 HRc, the contact surface will increase to 47-49 HRc. This allows the alloy to maintain the necessary ductility to resist in-service damage while delivering exceptional wear resistance.

NonMagXT™ produces a smooth, crack-free deposit and may be reapplied over itself without the need of removal or applying a butter-pass. **NonMagXT™** may also be applied with a tungsten carbide drop for open hole drilling, dramatically increasing the wear resistance.



NonMagXT™ features better wear-resistance (durability) than competing products

Optical microstructure at 500X of **NonMagXT™**

