

Castolin Eutectic®
Eutectic Castolin

PREMIUM

NEW

Dispersion Hardening Alloy

EnD0tec®

DO*6070 N

Welding



Highest abrasion and erosion resistance at high temperatures

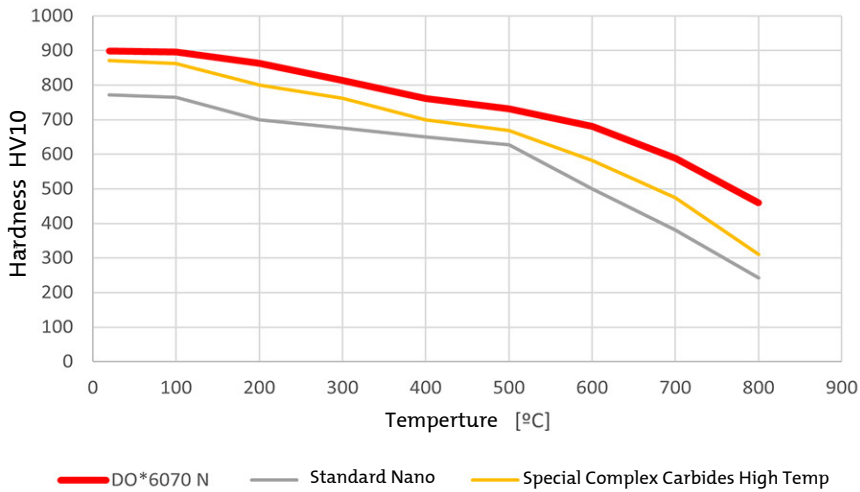
- Slag free deposit with high volume fraction of ultra hard complex carbides
- Highest hardness retention at high temperature
- Superior oxidation resistance at elevated service temperature
- Extremely hard deposit with minor stress relief cracks

This proprietary alloy produces an iron matrix with 50% of fine and uniformly orientated complex carbides resistant against both fine and coarse particles.

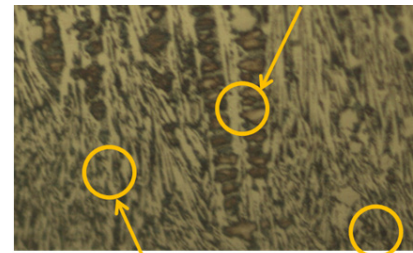
It is specially good when high temperatures are part of the process (58 HRC at 600°C; 42 HRC at 800°C)

- Advanced Dispersion Hardening alloy microstructure for high level of wearfacing
- Highly efficient complex carbides in a tenacious matrix and mesomorphic structure
- Fine microstructure gives premium abrasion resistance to both fine and coarse particles
- Remarkable increase of resistance to erosion

Hot Hardness Test



Primary (Retained) Austenite



Cr, Mo, Fe Carbides

W, V, Nb Carbides

Applications

- Iron and Steel: repair of sinter crushers
- Cement: Fuller plates
- Ceramic: oven outlet ramp, screw feeders
- Energy: end feed ramp blower nozzles
- Woodpanels: press screw, fan blades
- Agriculture: impellers
- Sugar cane : Blades of fans