

EXTREME FASTENERS (STUDS) 10.9 & 12.9

32CrB4 EQ



Quenched and tempered (Q&T) steels with high mechanical properties for wind fasteners at extreme conditions

Studs: our customer manufactures them from induction hardened and tempered bars.



ADVANTAGES

Class 10.9 characteristics* in big diameter studs

Up to M75 mm with optimized alloying content

Class 12.9 properties* in big diameter studs

Up to M64 mm with optimized alloying content

*Specified in the standard EN ISO 898-1:2015.

APPLIED TECHNOLOGY

- In general Cr-B steel grades with controlled S and P. For the highest diameters a Ni addition is employed.
- Specific secondary metallurgy focused on optimizing the wind fasteners mechanical properties.