

# EXTREME FASTENERS (SCREWS) 10.9

32CrB4 EQ | 32CrB4 EQ PLUS



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

## APPLICATION

**Screws:** our customer manufactures them (forging, heat treatment, threading and coating) from as-rolled or annealed bars.



## ADVANTAGES

### Class 10.9 properties\* in big diameter screws

Up to M56 mm with 32CrB4 EQ and  
M64 mm with 32CrB4 EQ PLUS

\*Specified in the standard EN ISO 898-1:2013.

## 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.
- Optimized heat treatment is required to attain the class 10.9 properties in the previously mentioned metrics.