

A low distortion carburizing steel for high service temperature

FND (W) - 15NiMoSiCr10

A technical brochure dedicated to FND (W) is now available.

Increased efficiency of carburized parts, such as injectors, requires higher working temperatures or PVD coatings for improved surface properties. A&D has therefore developed a new steel, the tempering temperature of which is compatible with these new requirements.

Thanks to its composition, the grade FND is tempered at 300°C and the carburized surface retains its hardness at this temperature. Furthermore the alloying elements allow gas quenching, greatly reducing distortions during quenching compared to water or oil.

FND (W) is used and tested in industrial fields such as aerospace, mechanics and automotive. Different types of parts have already been produced:

- Gears
- Fuel injectors
- Camshafts

This grade offers the following advantages:

- Gas quench for reduced distortion
- Elevated tempering temperature
- High strength
- Simple composition (no Co ...)

You will find attached a ".pdf" version of the brochure. Do not print yourself, but use already printed documents to be ordered at the following address:
documentation-ad@eramet-aubertduval.com

Pierre Beulaguet