

NANOCEM / NANOCEM PLUS

CASE HARDENING



Case hardening steels that guarantee a fine grained structure

APPLICATION

- Components that require a **fine grain structure** after carburisation.
- **High temperature carburisation** on vacuum or conventional furnaces.
- Components with **increased hardened case depth**.



ADVANTAGES

High temperature carburising	Shorten the treatment time	Increased case depth	Costs reduction
Chance to increase the carburising temperature maintaining a fine grain structure.	The high temperature speeds up the carbon diffusion in the austenite and this shortens the process.	The higher diffusion rate allows obtaining a deeper case, maintaining the component quality.	Increased productivity and less quality problems.