



Special Procedure High Carb

Process description:

High Carb is a special version of carbonitriding and results in improved hardenability and tempering resistance.

This is applied in the following sectors:

→ Tool manufacturing, automotive industry, aerospace ...

Materials:

→ Case hardening steels, steels for quenching and tempering, ...

Key characteristics:

- For heat treatment processes with special requirements
- High tempering resistance during case hardening

Maximum component dimensions:

→ 1,050 × 690 × 700 mm (L x W x H)

What are the most common applications of this process:

- To adjust strength and toughness parameters for components of special geometry with very high requirements
- To increase wear resistance and fatigue strength
- To increase the operating temperature of case-hardened components

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Cycle duration:

→ Depends on the component and requirements

Process duration:

→ Depends on the requirements

Necessary information:

- Material
- Surface hardness
- Core strength
- Case hardening depth
- Possible pre-treatments
- Possible coverage areas
- Possible post-treatments

Important:

→ To guarantee smooth execution prior notification is recommended.