FORMAX 8CrB5





Direct quenching of hot forged parts

APPLICATION

- Replacing Q&T steels for hot forged parts.
- Components of small or medium thickness with quenching and tempering characteristics: suspension arms, steering housings, steering ball studs, connecting rods, camshafts...



Elimination of process steps

The required mechanical properties are obtained with a direct quenching after forging

Reduction of manufacturing costs

Increased productivity, advantage of the forging heat, lower risk of quenching cracks



Hardness control

& machining

APPLIED TECHNOLOGY

• Application of metallurgical knowledge to ensure the required characteristics with a direct quenching:

Time ►

& machining

- Good toughness and ductility associated with **low carbon content martensite**.
- Addition of elements that **increase the hardenability** as Mn and Cr, in addition to an adequate level of active B.