

MICRO 1100 HE

44MnSiVS6



Microalloyed steel with high yield strength and fatigue performance after forging or rolling

APPLICATION

Components with **in-service mechanical characteristics after forging or rolling** by means of controlled cooling.



ADVANTAGES

High Yield Strength & Fatigue Performance

Components (Engines) Downsizing

Save of energy, installations and process time

Removal of thermal treatments

APPLIED TECHNOLOGY

- **Fine microprecipitation** of vanadium, niobium and titanium carbonitrides.
- Detailed control of the manufacturing processes in order to obtain a homogeneous distribution of precipitates.
- Thermomechanical rolling and controlled cooling.