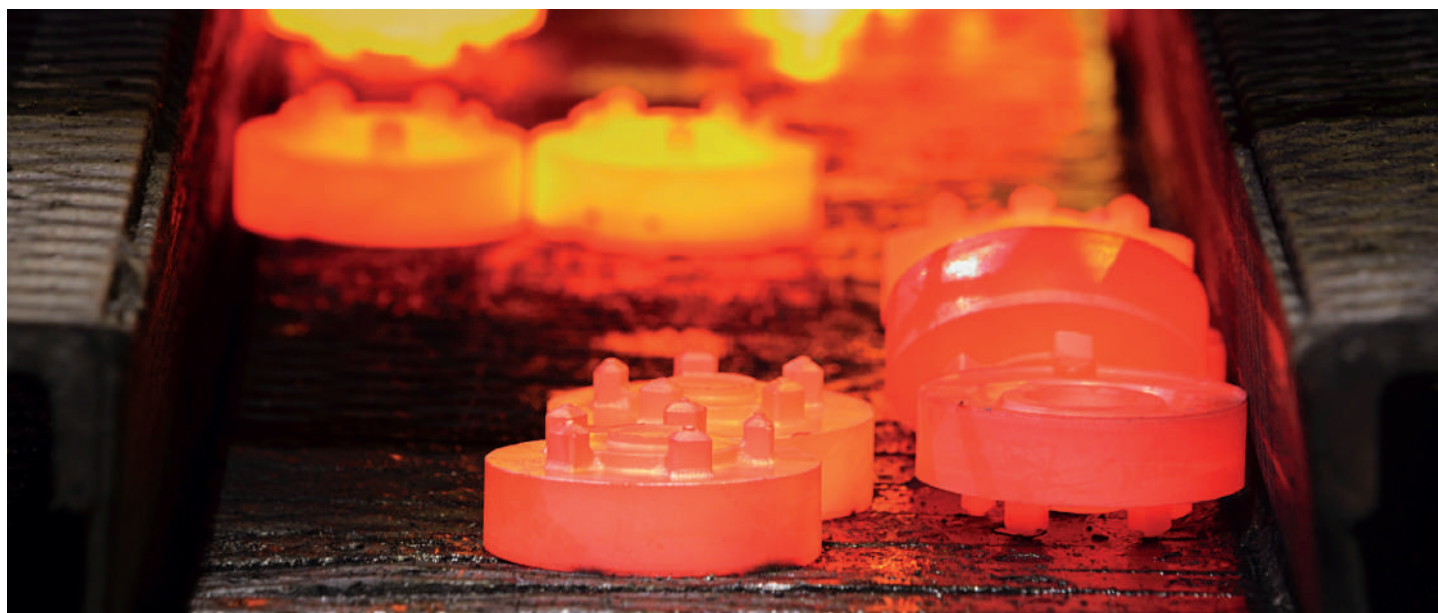


MICROALLOYED MICRO (MnV)



Steels with high mechanical properties after forging or rolling

APPLICATION

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



ADVANTAGES

Save of energy, installations and process time

Removal of heat treatments

Save of raw material

Decrease in number and quantity of alloys

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.

DENOMINATION

EN	Den. SIDENOR	AFNOR	UNI	AISI /SAE	JIS
17MnV5	MICRO 650				
22MnV6	MICRO 750				
27MnSiVS6	MICRO 800				
38MnSiVS5	MICRO 900				
44MnSiVS6	MICRO 1000				