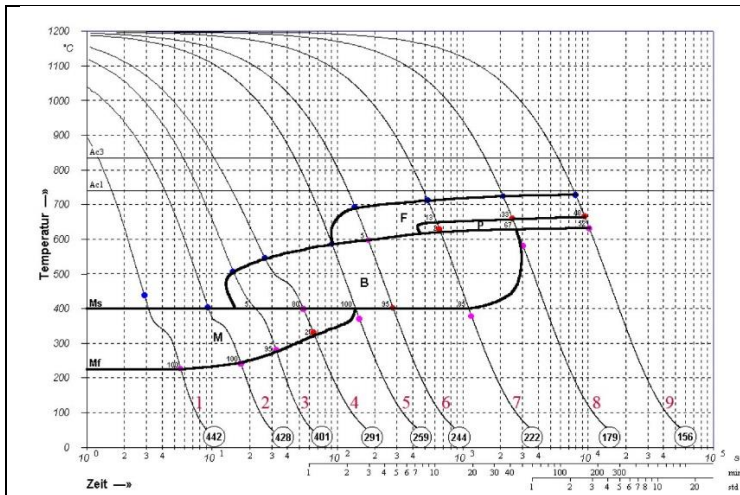


SSA7131

Trade Name	Technical Delivery Condition	Annealed Hardness	Typical Chemical Composition			
			C	Si	Mn	Cr
SSA7131	Annealed	207 HB	0.14 – 0.19	≤ 0.40	1.00 – 1.30	0.80 - 1.10

Werkstoff	DIN standard	AISI	BS	JIS	SIS	UNI
1.7131	16MnCr5	5115		SCR415		16MnCr5



TTT Graph

Type of steel and characteristics:

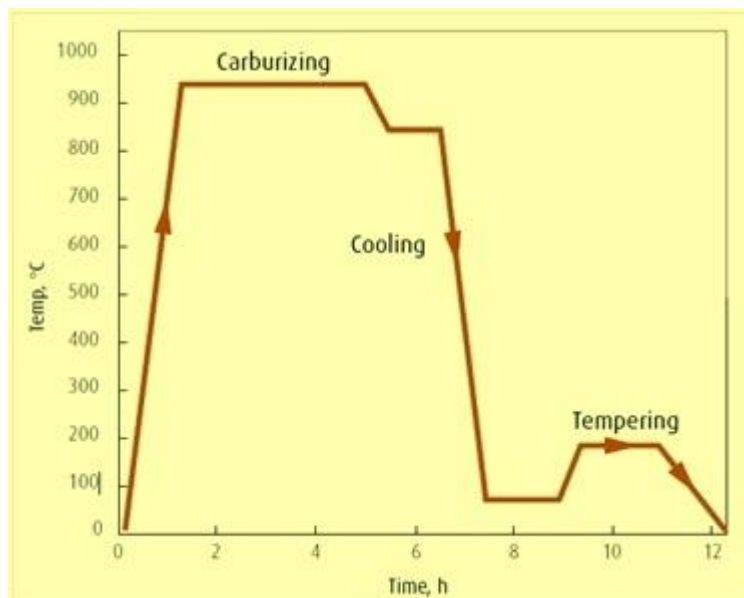
Low alloyed manganese chromium case hardening steel.

Applications:

Highly stressed wear parts with medium cross sections for automotive and mechanical engineering, e.g. camshafts, bushings, connecting rods

Heat Treatment:

- Hot Forging 1150 - 850°C
- Normalizing 850 - 880°C
- Soft Annealing 650 - 700°C
- Carburizing 880 - 980°C oil
- Intermediate Annealing 650 - 680°C
- Core Hardening 860 - 900°C
- Case Hardening 780 – 820°C
- Quenchant Oil, water, salt bath
- Tempering 150 - 200°C



Carburizing sequence