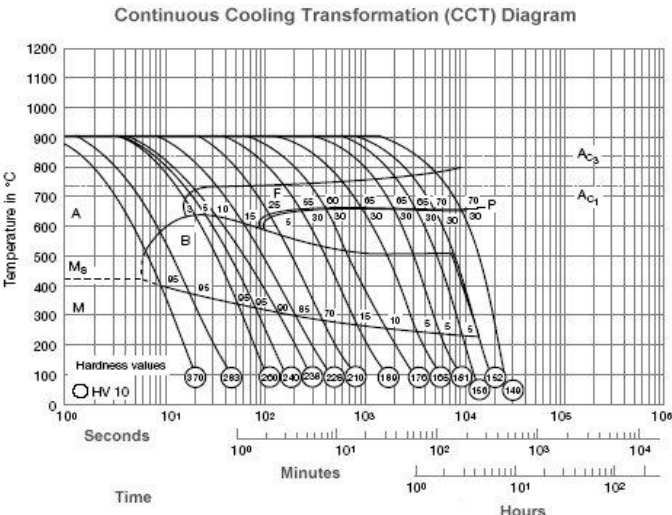


SSA8620

Trade Name	Technical Delivery Condition	Annealed Hardness	Typical Chemical Composition					
			C	Si	Mn	Cr	Mo	Ni
SSA8620	Annealed	207 HB	0.17 – 0.23	≤ 0.40	0.65 – 0.95	0.40 0.70	0.15 – 0.25	0.40 – 0.70

Werkstoff	DIN standard	AISI	BS	JIS	SIS	UNI
1.6523	20NiCrMo2-2	8620	805 M20	SNCM220		

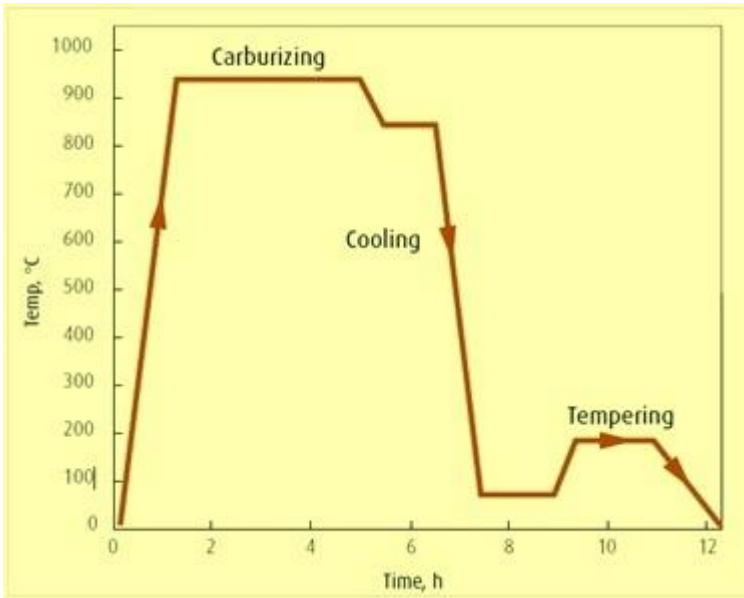


Continuous Cooling Transformation (CCT) Diagram

Type of steel and characteristics:
 Low alloyed chromium nickel molybdenum case hardening steel.

Applications:
 Light to medium stressed components requiring high surface wear resistance with reasonable core strength and impact properties. Typical uses are: arbors, bearings, bushings, camshafts, differential pinions, guide pins, kingpins, pistons pins, splined shafts, ratchets, sleeves etc.

TTT Graph



Carburizing sequence

Heat Treatment:

Hot Forging	1150 - 850°C
Normalizing	850 - 900°C
Soft Annealing	650 - 700°C
Carburizing	880 - 980°C oil
Intermediate Annealing	630 - 650°C
Core Hardening	860 - 900°C
Case Hardening	780 – 820°C
Quenchant	Oil, water, salt bath
Tempering	150 - 200°C