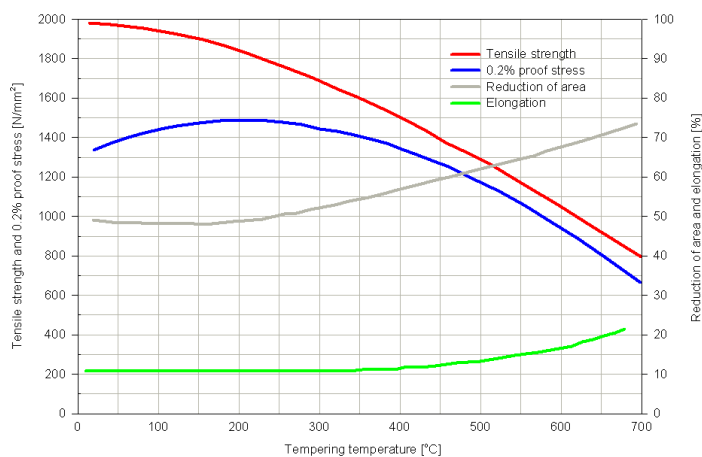


SSA6582

Trade Name	Technical Delivery Condition	Q & T Hardness	Typical Chemical Composition					
			C	Si	Mn	Cr	Mo	Ni
SSA6582	Quenched & Tempered	28 – 32 HRC	0.30 – 0.38	≤ 0.40	0.50 – 0.80	1.30 – 1.70	0.15 – 0.30	1.30 – 1.70

Werkstoff	DIN standard	AISI	BS	JIS	SIS	UNI
1.6582	34CrNiMo6	4340	EN110	SNCM447	2541	



Graph 1

Type of steel and characteristics:

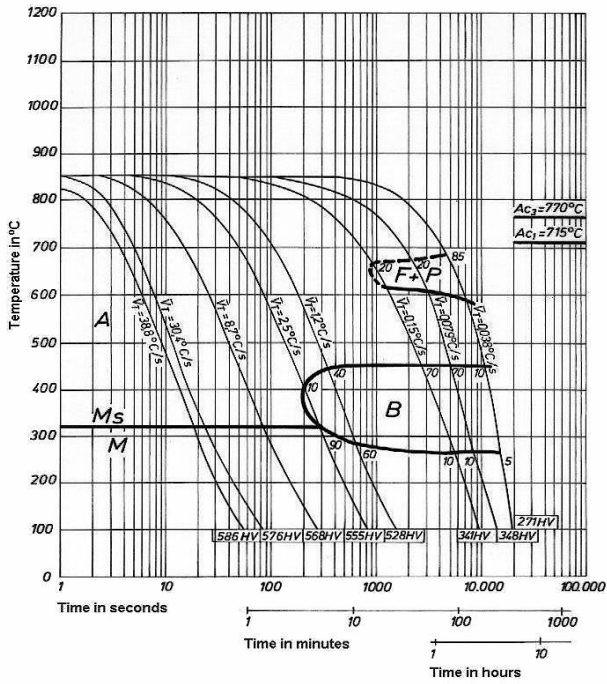
Low alloy chromium, nickel heat treatable steels

Applications:

Highly stressed components with large cross sections for aircraft, automotive and mechanical engineering such as propeller shafts, connecting rods, gear shafts, crankshafts and landing gear components. Heavy forgings such as rotors, shafts and discs. For economic performance under severe dynamic stress parts must be designed for optimum strength.

Heat Treatment:

Hot Forging	1050 - 850°C
Normalizing	850 - 880°C
Annealing	650 - 700°C
Hardening	830 - 860°C
Hardness obtainable	50 – 56 HRC oil quenched
Tempering	Refer Graph 1



TTT Graph