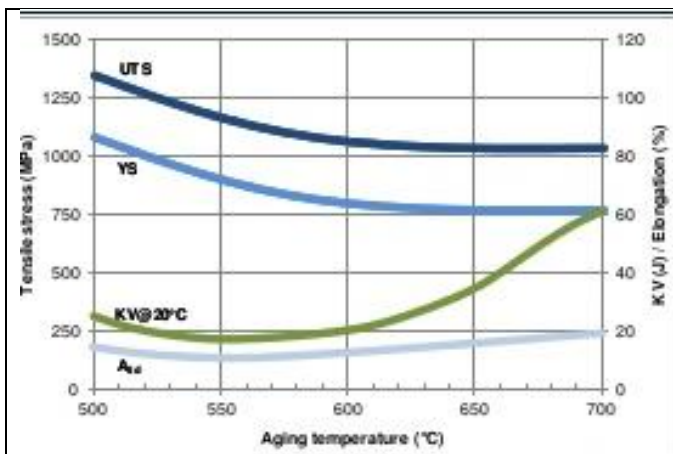


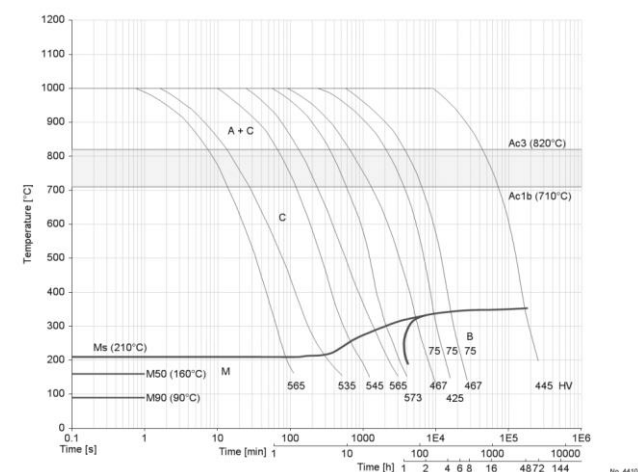
SSA4057

Trade Name	Technical Delivery Condition	Q & T Hardness	Typical Chemical Composition				
			C	Si	Mn	Cr	Ni
SSA4057	Quenched and Tempered	295 HB	0.14 – 0.23	≤ 1.00	≤ 1.00	15.50 – 17.50	1.50 – 2.50

Werkstoff	DIN standard	AISI	BS	JIS	SIS	UNI
1.4057	X20CrNi17-2	431	S 80	SUS431	2321	X16CrNi16



Graph 1



TTT Graph

Type of steel and characteristics:

Martensitic stainless chromium steel with nickel addition. Heat treatable grade, capable of taking a mirror finish.

Applications:

Naval construction, mechanical and plant engineering, dairies, yeast factories, starch and paper mills, compressor construction and mechanical components such as shaft, piston rods, spindles, armatures, pump parts, stirrers, valve parts, nuts and bolts and etc.

Heat Treatment:

- Hot Forging 1100 - 800°C
- Annealing 650 - 750 °C
- Stress relieving Approx. 650 °C
- Hardening 980 - 1030 °C
- Tensile strength 750 -950 MPa
- Tempering 620 – 720 °C
- Quenching Medium Air, oil.