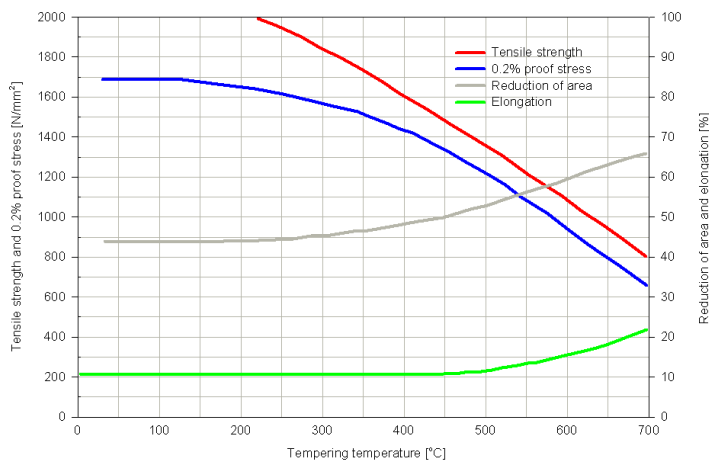


# SSA7225

Trade Name	Technical Delivery Condition	Q & T Hardness	Typical Chemical Composition				
			C	Si	Mn	Cr	Mo
SSA7225	Quenched & Tempered	28 – 32 HRC	0.38 – 0.45	≤ 0.40	0.60 – 0.90	0.90 1.20	0.15 – 0.30

Werkstoff	DIN standard	AISI	BS	JIS	SIS	UNI
1.7225	42CrMo4	4140	EN19	SCM440	2244	42CrMo4



Graph 1

### Type of steel and characteristics:

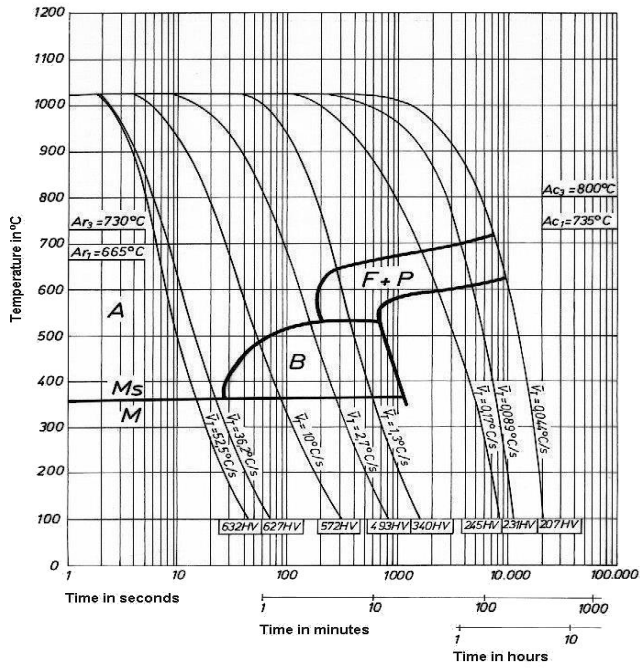
Low alloy chromium, molybdenum heat treatable steels

### Applications:

Components with large and medium cross sections, requiring with high tensile strength and toughness, automotive engineering and gear and engine construction, e.g. crankshafts, steering knuckles, shafts, connecting rods, spindles, intermediate gears, pump and gear shafts. It is also suitable for barrels of small fire arms. Also possessed good surface hardenability.

### Heat Treatment:

Hot Forging	1050 - 850°C
Normalizing	840 - 880°C
Annealing	680 - 720°C
Hardening	830 - 860°C
Hardness obtainable	50 – 56 HRC water quenched
Tempering	Refer Graph 1



TTT Graph