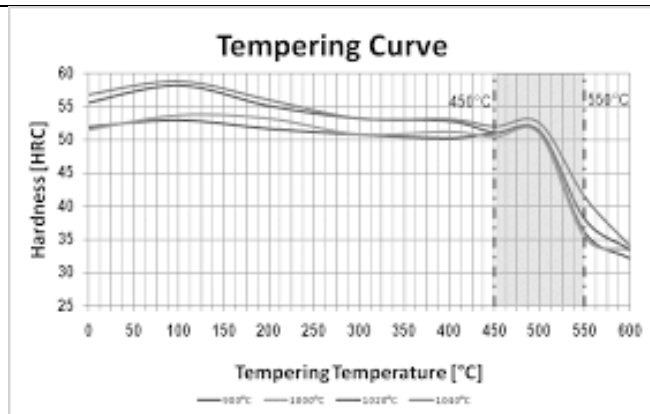


SSA2083

Trade Name	Technical Delivery Condition	Annealed Hardness	Typical Chemical Composition			
			C	Si	Mn	Cr
SSA2083	Annealed	235 HB	0.38 – 0.45	≤ 1.00	≤ 1.00	12.50 – 13.50

Werkstoff	DIN standard	AISI	BS	JIS	SIS	UNI
1.2083	X42Cr13	420	-	SUS420 J2	-	X41Cr13KU



Type of steel and characteristics:

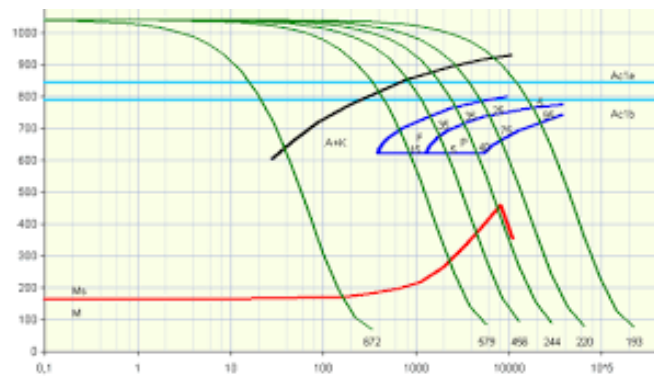
Martensitic stainless chromium steel. The high carbon content permits hardening and tempering to increase strength levels with good corrosion, wear resistance and polishability.

Applications:

Mould, mould insert requiring good corrosion resistance, good wear resistance and good polishability.

Heat Treatment:

- Hot Forging 1050 – 850 °C
- Annealing 840 - 870 °C
- Stress relieving 650 °C
- Hardening 1000 - 1050 °C
- Hardness obtainable 53 - 56 HRC in air, oil
- Tempering 100 - 200 °C



TTT Graph