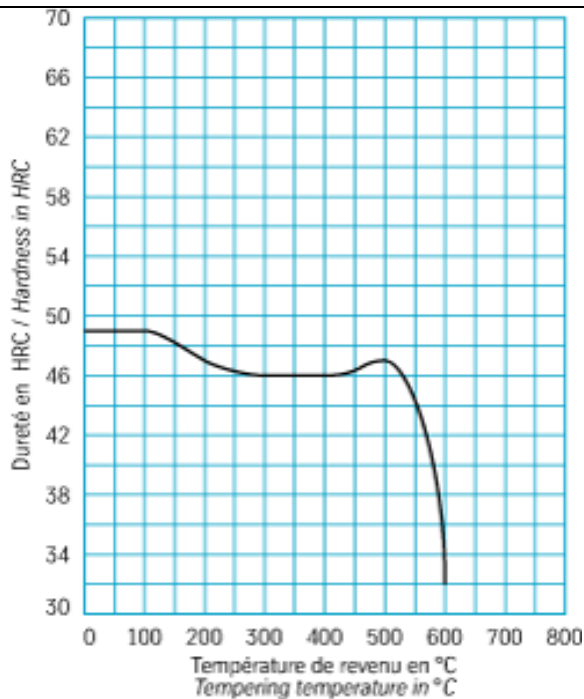


SSA2316H

Trade Name	Technical Delivery Condition	Q & T Hardness	Typical Chemical Composition					
			C	Si	Mn	Cr	Mo	Ni
SSA2316H	Quenched and Tempered	28 – 32 HRC	0.33 – 0.43	≤ 1.00	≤ 1.00	15.00 – 17.00	1.00 – 1.30	≤ 1.00

Werkstoff	DIN standard	AISI	BS	JIS	SIS	UNI
1.2316	X38CrMo16	-	-	-	-	X38CrMo16 1KU



Graph 1

Type of steel and characteristics:

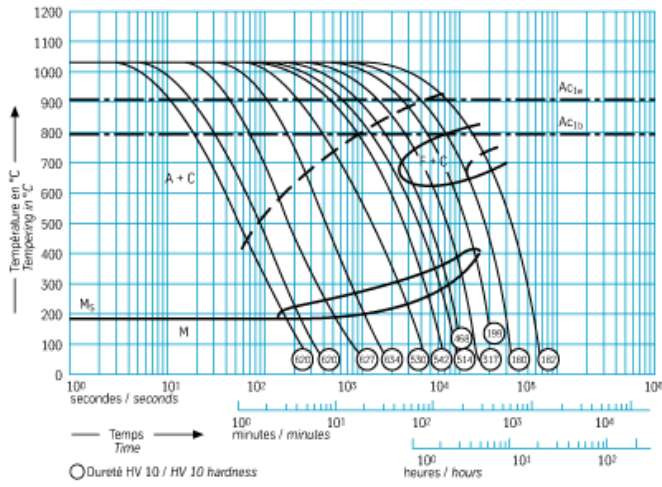
Martensitic stainless chromium steel. The high carbon content permits hardening and tempering to increase strength levels. Due to elevated chromium content, addition of molybdenum as well as electro-slag remelting. SSA2316H offers to you excellent corrosion and wear resistance and is characterised by an extraordinary machinability and polishability.

Applications:

Moulds for chemically aggressive plastics and plastics containing abrasive fillers, slit dies, profile dies, drop forging tools, blowing moulds, mould inserts, moulds and extruding tools for corrosively acting plastics such as PVC amino plastics and similar materials.

Heat Treatment:

Hot Forging	1050 - 850°C
Annealing	800 - 850 °C
Stress relieving	Approx. 650 °C
Hardening	1000 - 1050 °C
Hardness obtainable	46 - 49 HRC in oil 42 - 48 HRC in air.
Tempering	Refer Graph 1
Quenching Medium	Air, oil.



TTT Graph