

MARTENSITIC STAINLESS STEEL

Wr.Nr.	PN	EN	GOST	AISI
1.4034	4H13	X46Cr13	40X13	420

CHEMICAL COMPOSITION

Chemical composition (in weight %)

Element	C	Si	Mn	P	S	Cr
min	0.43	max.	max.	max.	max.	12.50
max	0.50	1.00	1.00	0.04	0.015	14.50

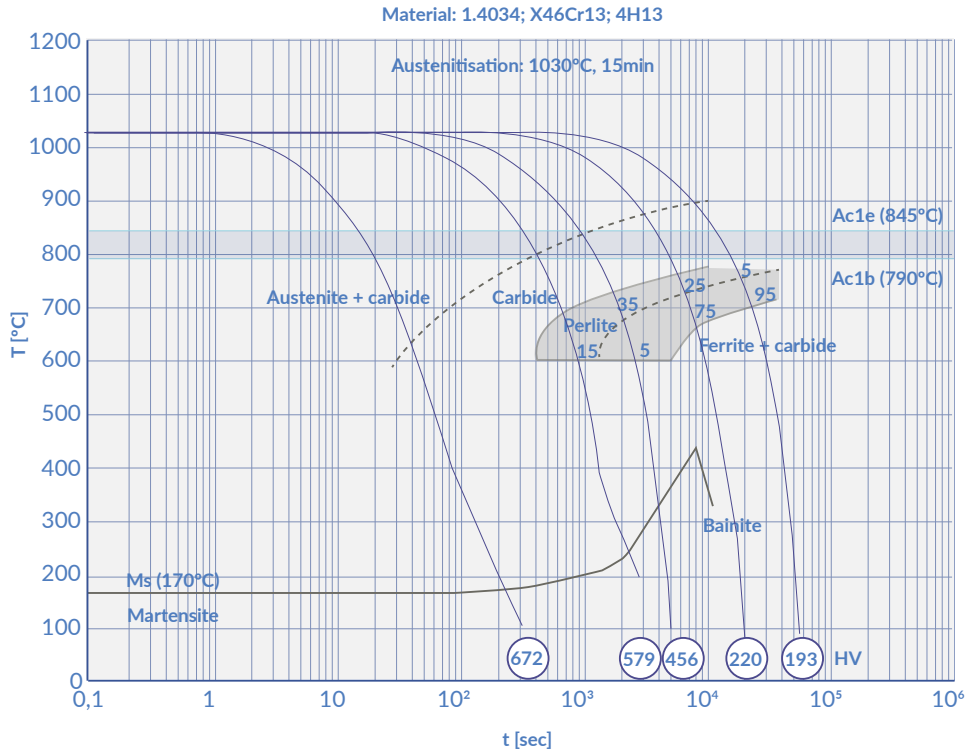
APPLICATION

Cutlery of all kinds, dinner knife, shears, spindles, pumps and compressor construction, piston rods, roller bearings, springs, surgical instruments, mirror polishable.

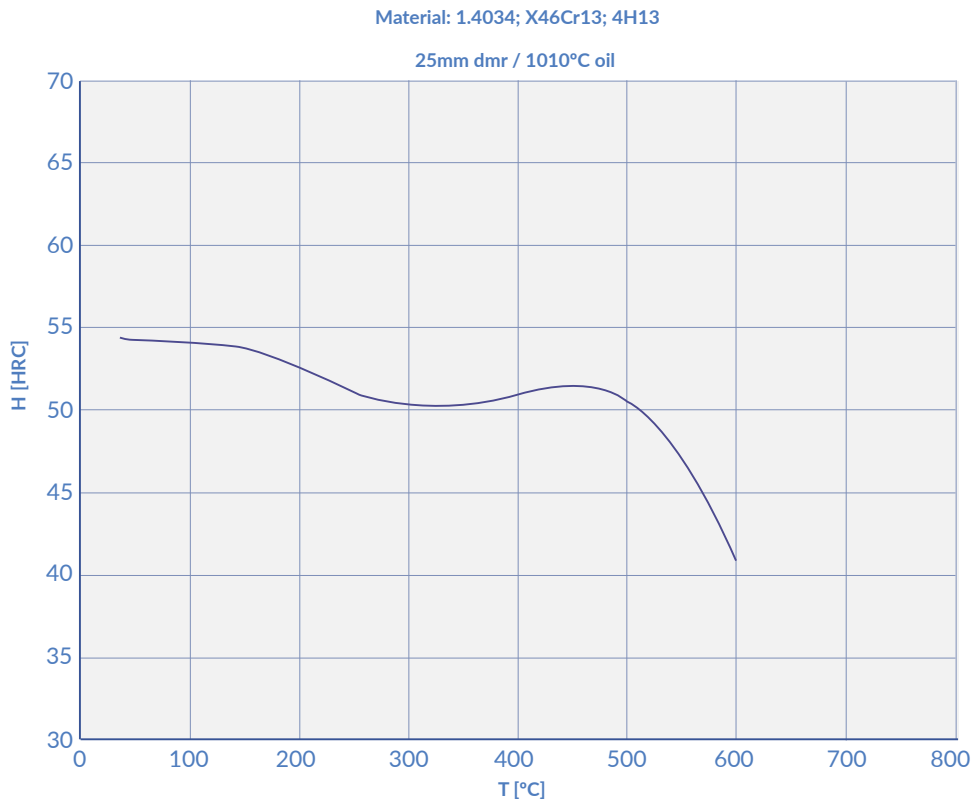
TREATMENT

Annealing semi finished products	750 - 850 °C / furnace, air (condition:+A)
Quenching and tempering semi finished products	950 - 1050 °C / oil/air + 650 - 700 °C (condition +QT850)
Annealing plates and strips	730 - 790 °C (condition:+A)
Quenching and tempering plates and strips	1000 - 1100 °C / oil/air + 200 - 350 °C (condition:+QT)

CONTINUOUS COOLING TRANSFORMATION (CCT) DIAGRAM



TEMPERING DIAGRAM



NOTE: All technical information is for reference only.