1.4112 X 90 CrMoV 18

Corrosion-resistant martensitic tool steel with high wear resistance, magnetic, polishable, and easy to machine for the production of knives, cutting tools, surgical instruments, ball bearings, nozzles, and knife blades.

You can obtain 1.4112 from us as a PräziPlan special dimension as well as a drawing part or guide rail.

Color coding:

Black/Green (1.4112)

1.4112

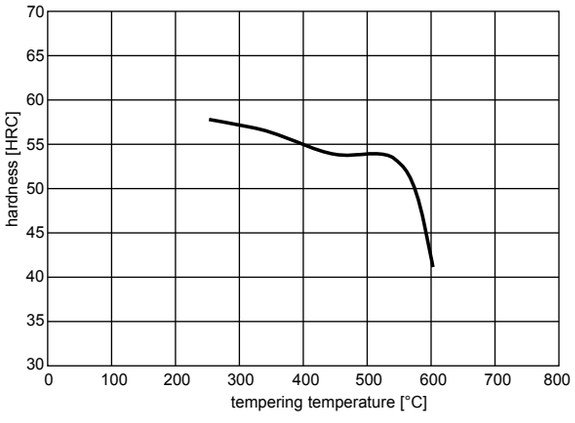
1.4112 X 90 CrMoV 18

chemical composition [%]

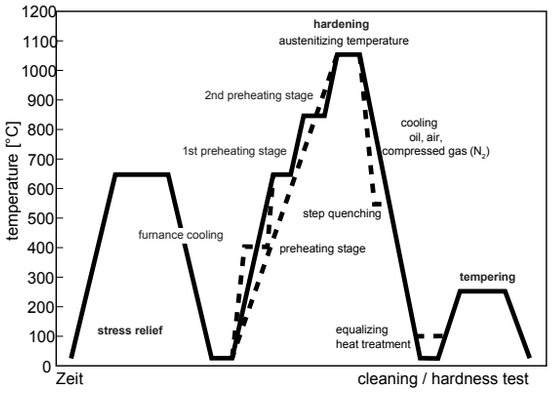
	C	Si	Mn	P	S	Cr	Mo	V
max.	0.95	1,0	1.0	0.04	0.015	19.0	1.3	0.12
min.	0,85					17.0	0.9	0.07

Heat Treatment
Annealing: 780–840°C,
furnace cooling, maximum hardness 265 HB
Stress Relief Annealing: 600–650°C,
furnace cooling,
Hardening: 1,000–1,050°C,
quenching in oil, pressurized gas, air, or a warm bath at 500–550°C

Tempering Chart
Tempering Temperature: 1,020°C



Heat Treatment Schedule



1.4112