

1.2210 / L2 Cold Work Tool Steel

Standards	DIN	AISI	JIS	ГОСТ
X115CrV3	1.2210	L2 / A681	SKS43	

Chemical composition (typical analysis in %)

C	Si	Mn	P	S	Cr	V
1.10-1.25	0.15-0.30	0.20-0.40	≤0.030	≤0.030	0.50-0.80	0.07-0.12

Steel properties :

Chrome-vanadium steel with the middle hardenability for hardening in oil and water, relatively good toughness at the high hardness, good resistance to the wear and cutting power. More difficult ductility during the heat and good workability in the annealed state.

Applications :

All kinds of scissors, inserts, woodworking blade, thread rolling die and wear resistant slider. Cold Heading Die, thermosetting resin molding, Molding in deep drawing cold extrusion dies. Tools for cold cutting, cutting tools and punching tools, shear blades for cutting. Cutting tools for machining by smaller cutting speeds, drills, reamers, screw taps etc. Further for molds and auxiliary components, ejectors, pins etc.

Size range :

Diameter (mm)	Thickness (mm)	Width (mm)
6 - 500	6 - 400	Max 810

Delivery condition : Soft annealed to max. 230 HB

Heat Treatment:

Soft annealing

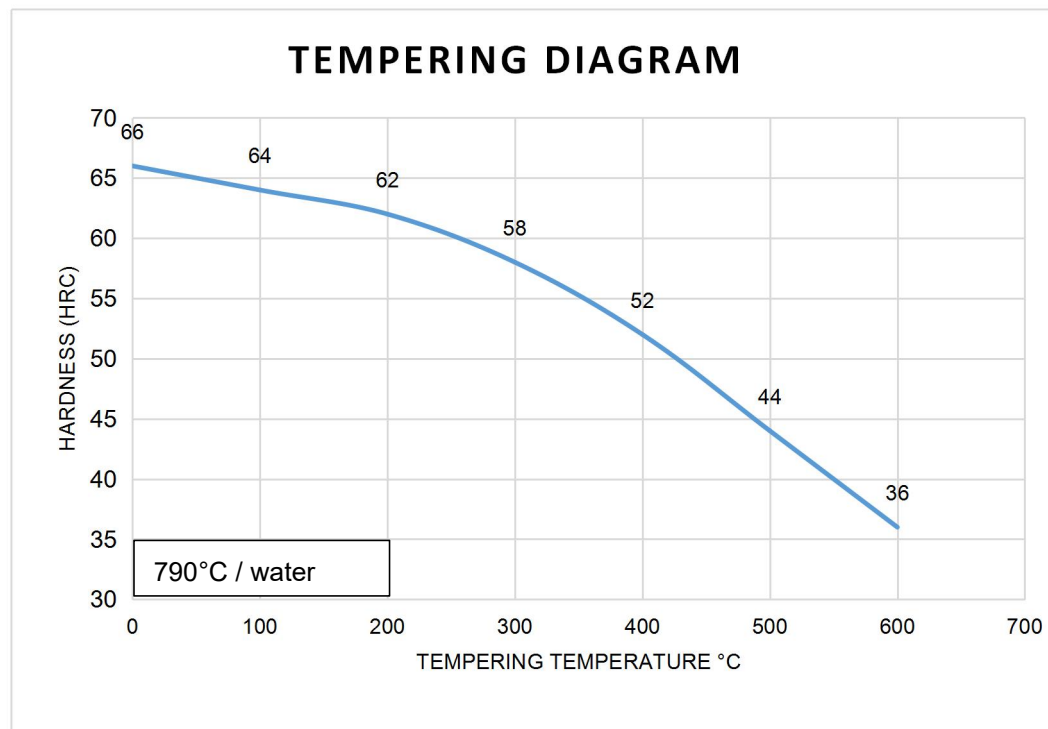
Temperature(°C)	Cooling	Hardness
710 - 750	furnace	max. 230 HB

Forging

Temperature(°C)	Cooling	
850 - 1050	furnace	

Hardening

Temperature(°C)	Cooling	Tempering
780 - 810	oil or water	see tempering diagram usually 180 - 250°C



Remarks: All technical information is for reference only.

ALTA SPECIAL STEEL

No.86 road, huangshi, China · www.altaspecialsteel.com

Tel : 86 714 3064045 · Fax : 86 714 3046045