

Cryodur 2242

(59CrV4)

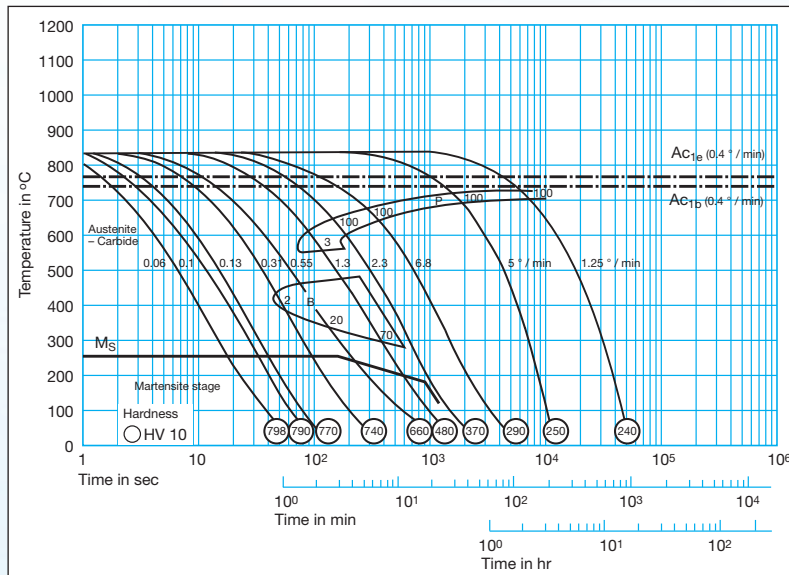
C 0.59 Mn 0.90 Cr 1.00 V 0.10

Steel properties Wear resistant, high toughness.

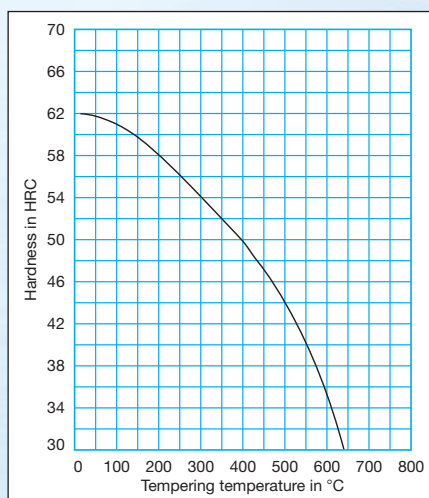
Applications Special steel for hand chisels of all types, including flat, cross-cut and pointed chisels for the treatment of hard materials. Also for screwdrivers and other hand tools.

Heat treatment	Soft annealing °C	Cooling	Hardness HB			
	710 – 740	Furnace	max. 230			
	Stress-relief annealing °C	Cooling				
	approx. 650 – 680	Furnace				
	Hardening °C	Quenching	Hardness after quenching HRC			
	810 – 850	Oil	62			
	Tempering °C	100	200	300	400	
	HRC	61	58	55	50	

Time-temperature-transformation diagram



Tempering diagram



Reference numbers in brackets are not standardized in EN ISO 4957.