

Cryodur 2067

100Cr6

C 1.00 Si 0.20 Mn 0.35 Cr 1.50

Steel properties Oil-hardenable grade with low hardening depth, wear-resistant.

Standards AISI L1 / L3 AFNOR Y100C6

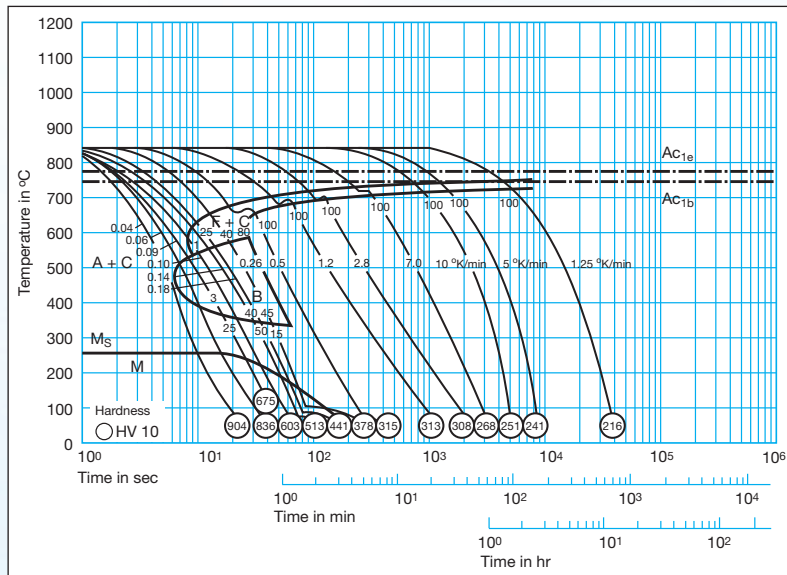
Physical properties

Thermal conductivity at °C	20	350	700
W/(m · K)	33.0	32.2	31.4

Applications Cold pilger rolls and jaws, thread cutting tools, gauges, mandrels, wood and paper processing tools, cold extrusion and spinning tools, flanging rolls, shear and rotary shear blades.

Heat treatment	Soft annealing °C	Cooling	Hardness HB				
	710 – 750	Furnace	max. 225				
	Stress-relief annealing °C	Cooling					
	approx. 650	Furnace					
	Hardening °C	Quenching	Hardness after quenching HRC				
	830 – 860	Oil or saltbath, 180 – 220 °C	64				
	Tempering °C	100	200	300	400	500	600
	HRC	64	61	56	50	44	36

Time-temperature-transformation diagram



Tempering diagram

