

Cryodur 2363

X100CrMoV5

C 1.00 Si 0.30 Mn 0.50 Cr 5.00 Mo 0.95 V 0.20

Steel properties High dimensional stability during heat treatment. High wear resistance and toughness.

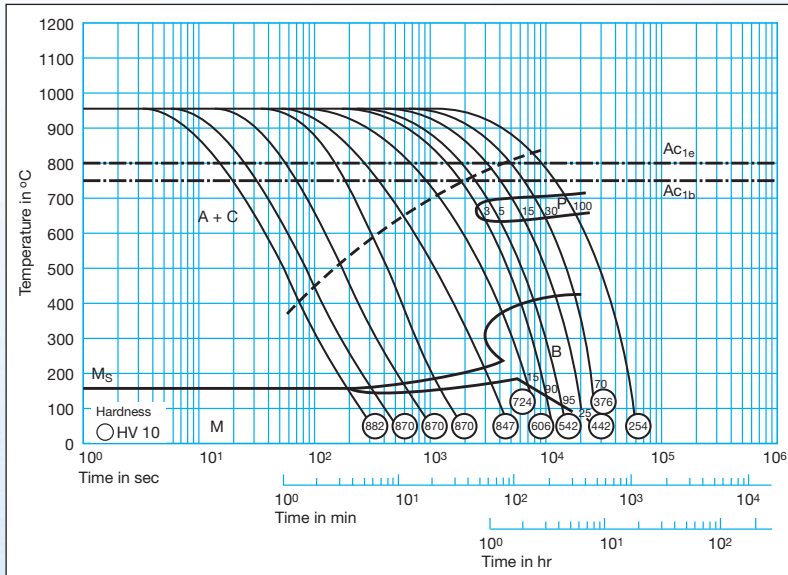
Standards AISI A2 AFNOR Z100CDV5

Physical properties
Thermal conductivity
 at °C 20 350 700
 W/(m · K) 15.8 26.7 29.1

Applications Cutting tools, rolls, shear blades, cold pilger mandrels, cold stamping tools, moulds for plastics processing.

Heat treatment	Soft annealing °C 800 – 840	Cooling Furnace	Hardness HB max. 231			
	Stress-relief annealing °C approx. 650	Cooling Furnace				
	Hardening °C 930 – 970	Quenching Air, oil or saltbath, 500 – 550 °C	Hardness after quenching HRC 63			
Tempering °C HRC	100	200	300	400	500	600
	63	62	59	57	59	52

Time-temperature-transformation diagram



Tempering diagram

