



AISI A2 A2 DIN 2363

X100CrMoV5

C 1.02 Si 0.35 Mn 0.60 Cr 5.10 Mo 1.00 V 0.25

Steel properties

A2 is equivalent of DIN 2363 provides high hardness after heat treatment with good dimensional stability. It is heat treatable and will offer hardness in the range 53-63 HRC.

Standards

AISI A2 AFNOR Z100CDV5

Physical properties

Thermal conductivity at °C	20	350	700
W/(m · K)	15.9	26.8	29.2

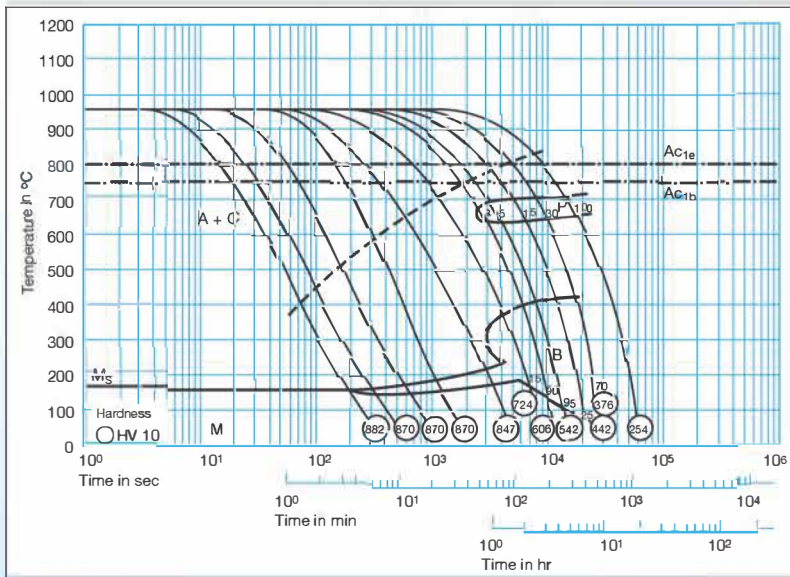
Applications

This tool steel is used for cutting tools, rolls, shear blades, cold mandrels, cold stamping tools, moulds for plastics processing, blanking tools, punch dies, trim dies, forming dies, stamping dies etc

Heat treatment

Soft annealing °C 810 – 850	Cooling Furnace	Hardness HB max. 232
Stress-relief annealing °C approx. 650	Cooling Furnace	
Hardening °C 940 – 980	Quenching Air, oil or saltbath, 500 – 550 °C	Hardness after quenching HRC 64
Tempering °C HRC	100 200 300 400 500 600	64 63 60 58 59 53

Time-temperature-transformation diagram



Tempering diagram

