

# Cryodur 2235

(80CrV2)

C 0.80 Cr 0.60 V 0.20

## Steel properties

Special steel for woodworking, featuring a keen cutting edge.

## Physical properties

### Thermal conductivity

at °C	20	350	700
W/(m · K)	33.5	32.0	31.0

## Applications

Circular and gang saws, machine knives, cutting tools for wood and non-ferrous metals, pliers and wood chisels.

## Heat treatment

### Soft annealing °C

680

### Cooling

Furnace

### Hardness HB

max. 225

### Stress-relief annealing °C

approx. 650 – 680

### Cooling

Furnace

### Hardening °C

800 – 830

### Quenching

Oil

### Hardness after quenching HRC

63

### Tempering °C

HRC

100

200

300

400

500

63

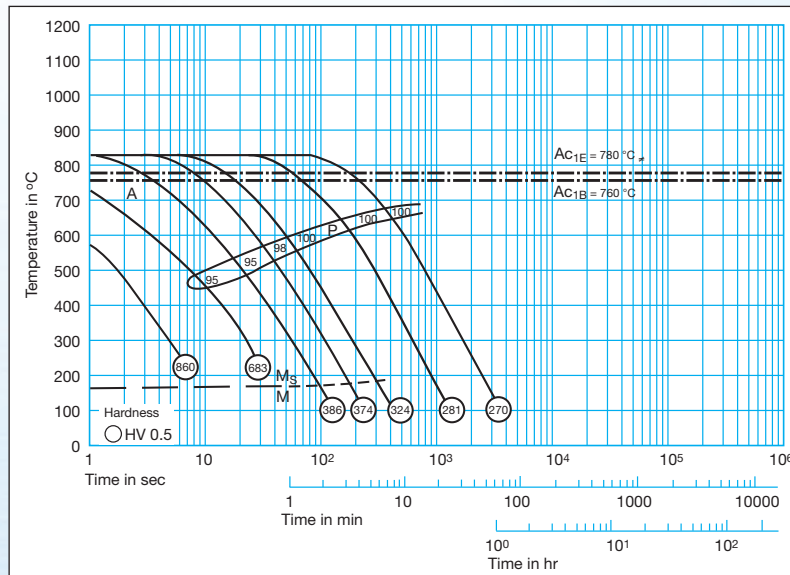
61

57

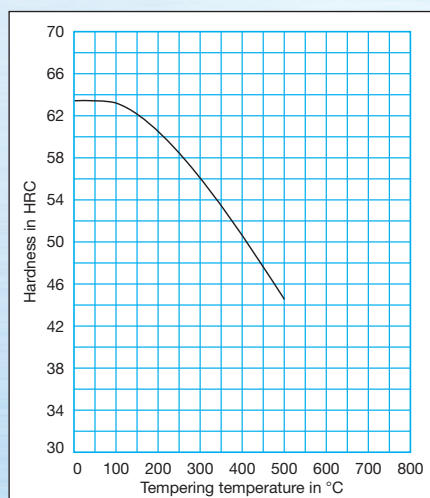
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## Time-temperature-transformation diagram



## Tempering diagram



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