

Cryodur 2516

(120WV4)

C 1.20 Cr 0.20 V 0.10 W 1.00

Steel properties

Water-hardening steel featuring good cutting edge retention and high hardenability.

Applications

Thread cutting tools, twist drills, dentist's drills and metal saws.

Heat treatment

Soft annealing °C

700 – 720

Cooling

Furnace

Hardness HB

max. 230

Stress-relief annealing °C

650 – 680

Cooling

Furnace

Hardening °C

780 – 820

Quenching

Oil or water

Hardness after quenching HRC

66

Tempering °C HRC

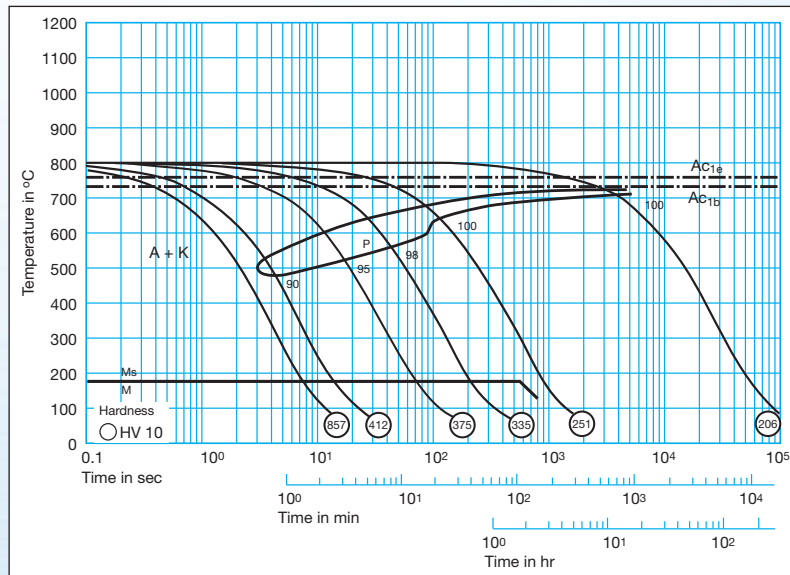
100
65

200
62

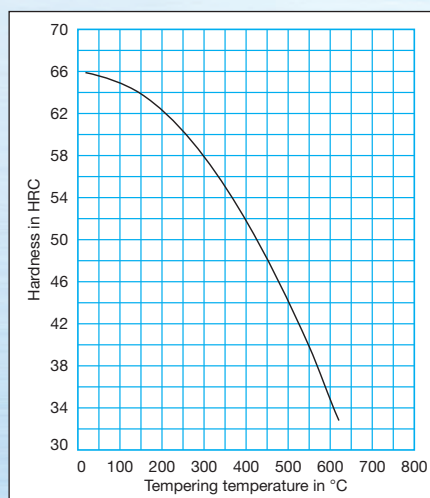
300
57

400
51

Time-temperature-transformation diagram



Tempering diagram



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