

# Cryodur 2360

(~X48CrMoV8-1-1)

**C** 0.50 **Si** 1.20 **Mn** 0.35 **Cr** 7.30 **Mo** 1.50 **V** 0.50

## Steel properties

Cryodur 2360 is a 7 % chromium steel that derives its high wear resistance from a balanced combination of the alloying elements. The medium V concentration of 0.5 % generates a sufficiently high hardenability combined with high toughness, even at comparatively low operating temperatures below RT.

## Applications

This grade is especially suitable for use with chipper knives, blade holders, veneer slicing blades, blade inserts, billet-shear blades and reinforcements. All require a combination of high hardness and toughness as do large cold extrusion tools of complex geometry.

## Heat treatment

### Soft annealing °C

830 – 860

### Cooling

Furnace

### Hardness HB

Max. 240

### Stress-relief annealing °C

approx. 650

### Cooling

Furnace

### Hardening °C

1030 – 1070

### Quenching

Air, oil or saltbath, 550 °C

### Hardness after quenching HRC

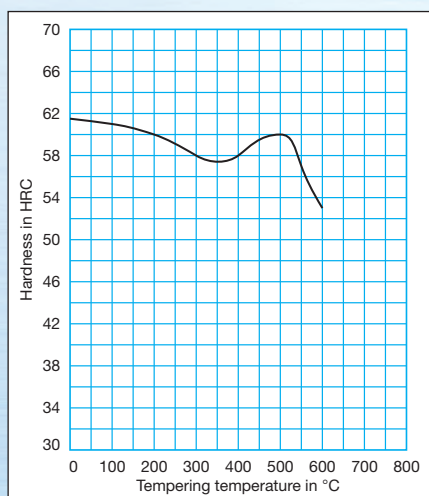
60 – 61

### Tempering °C

HRC

100	200	300	400	500	550	600
61	60	58	58	60	57	53

## Tempering diagram



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