

# Cryodur 2746

(45NiCrMoV16-6)

C 0.45 Si 0.25 Mn 0.70 Cr 1.50 Mo 0.80 Ni 4.00 V 0.50

## Steel properties

Air or oil-hardenable steel featuring high toughness.

## Applications

Special steel for cold-shear blades, particularly for cutting scrap. Drawing jaws, coining and bending tools.

## Heat treatment

### Soft annealing °C

610 – 650

### Cooling

Furnace

### Hardness HB

max. 295

### Stress-relief annealing °C

approx. 600

### Cooling

Furnace

### Hardening °C

880 – 910

### Quenching

Air, oil or saltbath, 180 – 220 °C

### Hardness after quenching HRC

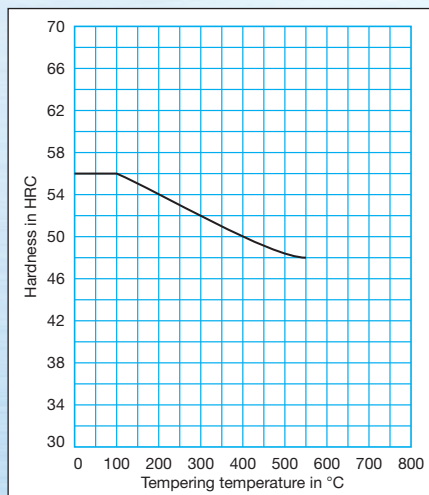
56

### Tempering °C

HRC

100	200	300	400	500	550
56	54	52	50	49	48

## Tempering diagram



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