

# Cryodur 2008

(140Cr3)

C 1.50 Si 0.25 Mn 0.25 Cr 0.85 V 0.20

**Steel properties** Water-hardening special steel.

**Applications** Files.

**Heat treatment**

**Soft annealing °C**  
730 – 760

**Cooling**  
Furnace

**Hardness HB**  
max. 220

**Stress-relief annealing °C**  
approx. 650 – 680

**Cooling**  
Furnace

**Hardening °C**  
780 – 820

**Quenching**  
Water

**Hardness after quenching HRC**  
68

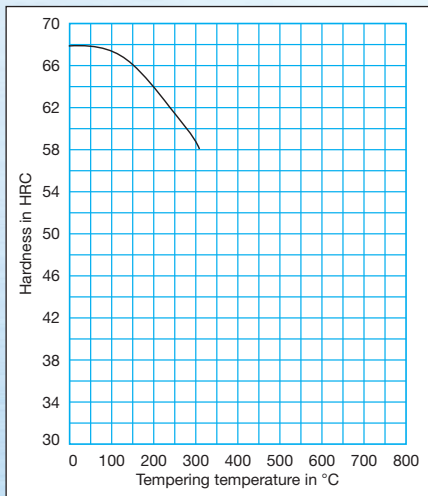
**Tempering °C**  
**HRC**

100  
63

200  
62

300  
59

## Tempering diagram



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