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全球钢号百科!

Global Steel Grade Encyclopedia



涵盖的行业或国家与地区类别



国际材料与试验协会

GJB

国家军用标准



动力机械工程师协会

EU

前欧洲标准化

AISI

美国钢铁学会



德国工业标准

AMS

航空航天材料规范



国际标准

JASO

日本汽车标准组织

EN

欧洲标准

JB

中国机械行业标准

UNS

统一编号系统

UNI

意大利标准



美国机械工程师协会

SS

瑞典标准



国家标准



日本工业标准

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

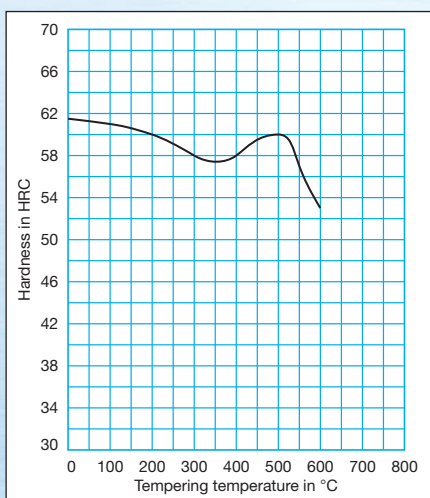
Tempering °C

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.