



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 83Ni1 | Material No: 1.6972

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Other(%)
0.80~0.90	0.20~0.30	0.70~0.85	0.025	0.025	0.10~0.20	—	Ni0.10~0.20; V ≤ 0.05

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Surface Hardening/°C	Surface Hardness HRC
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MECHANICAL PROPERTIES

Size/mm	Tensile Strength σ_b /MPa	Yield Strength $\sigma_s \geq$ /MPa	Extensibility $\delta_5(\%) \geq$	Reduction of Area $\psi(\%) \geq$	Ballistic akv/J①
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