



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 14CrNi10 | Material No: 1.5732

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.10~0.17	0.15~0.35	0.40~0.70	0.035	0.035	0.55~0.95	—	2.25~2.75	—

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Carburize/°C	Inside Quench/°C	Surface Quench/°C	Temper/°C	Annealing hardness HBS ≤
1150~850	610~650	850~900	850~880	780~800 Oil	150~180	205

INSIDE 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/J
φ11	980~1270	735	9	40	69

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