



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 16CrNi4 | Material No: 1.5714

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.13~0.19	≤0.40	0.70~1.00	0.035	0.035	0.60~1.00	—	0.80~1.10	—

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	880~980	850~890	780~820 Oil	150~200	217

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	≥1000	—	—	—	—

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