



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: C10Pb | Material No: 1.0302

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.06~0.12	0.15~0.35	0.25~0.50	0.045	0.045	—	—	—	Pb0.15~0.30

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Carburize/°C	Inside Quench/°C	Surface Quench/°C	Temper/°C	Annealing hardness HBS ≤
1150~850	650~700	900~950	880~920	—	150~180	131

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
φ30	490~640	295	16	45	69

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