



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 18CrMoS4 | Material No: 1.7244②

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.15~0.21	≤0.40	0.60~0.90	0.035	0.035	0.90~1.20	0.15~0.25	—	—

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Carburize/°C	Inside Quench/°C	Surface Quench/°C	Temper/°C	Annealing hardness HBS ≤
1050~850	680~700	880~980	860~900	780~820 Oil	150~200	207

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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