



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 34CrMo4 | Material No: 1.7220

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Other(%)
0.30~0.37	≤0.40	0.60~0.90	0.035	0.035	0.90~1.20	0.15~0.20	—

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Surface Hardening/°C	Surface Hardness HRC
1100~850	680~720	850~880	830~860 Water 840~870 Oil	480~650	820~850	51~57

MECHANICAL PROPERTIES

Size/mm	Tensile Strength   $\sigma_b$ /MPa	Yield Strength   $\sigma_s \geq$ /MPa	Extensibility   $\delta_5(\%) \geq$	Reduction of Area   $\psi(\%) \geq$	Ballistic   akv/J①
≤16	980~1180	780	11	45	41

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