

**Steel Grade: 34CrMo4 | Material No: 1.7220**
**CHEMICAL COMPOSITION**

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

**HARDNESS AND HEAT TREATMENT**

Quench/°C Water	Quench/°C Oil	Temper/°C
830 ~ 860	850 ~ 880	500 ~ 670

**MECHANICAL PROPERTIES**

Softening Annealing/°C	Tensile Strength (≤100mm) σb/MPa ②③	Reduction of Area (≤100mm) ψ(%) ③	Tensile Strength (≤60mm) σb/MPa ②④	Reduction of Area(≤60mm) ψ(%) ②④	Tensile Strength≥ σb/MPa ⑥	Yield Strength ≥ σs/MPa ⑥	Extensibility≥ δ5(%) ⑥	Reduction of Area ≥ ψ(%) ⑥	Ballistic≥ AKV/J ⑥
680 ~ 720	630	58	610	60	880 ~ 1080	665	12	50	48

From: Jiangyou Hacer Technology Co., Limited  
 Factory Add: Jiangzhang Road, Jiangyou City, SC, China  
 Website: <https://www.jhacer.com/>  
 Email: [sales@jhacer.com](mailto:sales@jhacer.com)  
 Phone: +86-(0)816-3260757  
 Call: +86-13658128897(WhatsApp)  
 Fax: +86-(0)816-3260757