

Steel Grade: 15CrNi6 | Material No: 1.5919
CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)
0.14 ~ 0.19	≤0.40	0.40 ~ 0.60	0.035	0.035	1.40 ~ 1.70	—	1.40 ~ 1.70

HARDNESS AND HEAT TREATMENT

Quench/°C Water	Quench/°C Oil	Temper/°C
Same as carburized steel 15CrNi6	Same as carburized steel 15CrNi6	Same as carburized steel 15CrNi6

MECHANICAL PROPERTIES

Softening Annealing/°C	Tensile Strength (≤100mm) σ _b /MPa ②③	Reduction of Area (≤100mm) ψ(%) ③	Tensile Strength (≤60mm) σ _b /MPa ②④	Reduction of Area(≤60mm) ψ(%) ②④	Tensile Strength≥ σ _b /MPa ⑥	Yield Strength ≥ σ _s /MPa ⑥	Extensibility≥ δ ₅ (%) ⑥	Reduction of Area ≥ ψ(%) ⑥	Ballistic≥ AKV/J ⑥
650 ~ 700	610	60	590	62	—	—	—	—	—

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