

**Steel Grade: 15Cr3 | Material No: 1.7015**
**CHEMICAL COMPOSITION**

C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)
0.12 ~ 0.18	0.15 ~ 0.40	0.40 ~ 0.60	0.035	0.035	0.40 ~ 0.70	—	—

**HARDNESS AND HEAT TREATMENT**

Quench/°C Water	Quench/°C Oil	Temper/°C
Same as carburized steel 15Cr3	Same as carburized steel 15Cr3	Same as carburized steel 15Cr3

**MECHANICAL PROPERTIES**

Softening Annealing/°C	Tensile Strength (≤100mm) σ <sub>b</sub> /MPa ②③	Reduction of Area (≤100mm) ψ(%) ③	Tensile Strength (≤60mm) σ <sub>b</sub> /MPa ②④	Reduction of Area(≤60mm) ψ(%) ②④	Tensile Strength≥ σ <sub>b</sub> /MPa ⑥	Yield Strength ≥ σ <sub>s</sub> /MPa ⑥	Extensibility≥ δ <sub>5</sub> (%) ⑥	Reduction of Area ≥ ψ(%) ⑥	Ballistic≥ AKV/J ⑥
650 ~ 700	530	60	510	62	—	—	—	—	—

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