

Steel Grade: 20MoCr4 | Material No: 1.7321
CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)
0.17 ~ 0.22	≤0.40	0.70 ~ 1.00	0.035	0.035	0.30 ~ 0.60	0.40 ~ 0.50	—

HARDNESS AND HEAT TREATMENT

Quench/°C Water	Quench/°C Oil	Temper/°C
Same as carburized steel 20MoCr4	Same as carburized steel 20MoCr4	Same as carburized steel 20MoCr4

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	570	60	550	62	—	—	—	—	—

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