

Steel Grade: 20NiCrMo2-21 | Material No: 1.6523
CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)
0.17 ~ 0.23	≤0.40	0.65 ~ 0.95	0.035	0.035	0.40 ~ 0.70	0.15 ~ 0.25	0.40 ~ 0.70

HARDNESS AND HEAT TREATMENT

Quench/°C Water	Quench/°C Oil	Temper/°C
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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
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