

Steel Grade: X8Ni9 | Material No: 1.5662
CHEMICAL COMPOSITION

C(%)≤	Si(%)≤	Mn(%)≤	P(%)≤	S(%)≤	Cr(%)	Ni(%)	V(%)	Other(%)
≤0.10	≤0.35	0.30 ~ 0.80	0.02	0.01	—	8.50 ~ 10.0	≤0.05	Mo≤0.10②

HEAT TREATMENT

Hot Working°C	Normalizing/°C	Quench/°C	Temper°C
1050 ~ 850	880 ~ 930 770 ~ 830	770 ~ 830 Water or Oil	540 ~ 600

MECHANICAL PROPERTIES IN NORMAL OR LOW TEMP

Condition	Tensile Strength σ _b /Mpa	Yield Strength σ _s ≥/Mpa	Extensibility δ ₅ (%)≥	Reduction of Area ψ(%)≥	Ballistic α _k (DVM)/J
-120°C	780	550	15	—	100
-170°C	940	630	15	—	80
-195°C	1000	695	14	—	70
-20°C	690	490	17	—	120

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