

Steel Grade: 24Ni8 | Material No: 1.5633
CHEMICAL COMPOSITION

C(%)≤	Si(%)≤	Mn(%)≤	P(%)≤	S(%)≤	Cr(%)	Ni(%)	V(%)	Other(%)
0.20 ~ 0.28	0.15 ~ 0.35	0.60 ~ 0.80	0.035	0.035	≤0.30	1.90 ~ 2.20		—

HEAT TREATMENT

Hot Working°C	Normalizing/°C	Quench/°C	Temper°C
1100 ~ 850	850 ~ 880	830 ~ 880 Water or Oil	500 ~ 650

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	540	14	—	34
-20°C	640	440	17	—	82
-50°C	670	470	16	—	69
-80°C	720	510	15	—	55

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