

**Steel Grade: 13MnNi6-3 | Material No: 1.6217**
**CHEMICAL COMPOSITION**

C(%)≤	Si(%)≤	Mn(%)≤	P(%)≤	S(%)≤	Cr(%)	Ni(%)	V(%)	Other(%)
≤0.16	≤0.50	0.85 ~ 1.70	0.025	0.015	—	0.30 ~ 0.85	≤0.05	Nb≤0.05Al≥0.020

**HEAT TREATMENT**

Hot Working°C	Normalizing/°C	Quench/°C	Temper°C
1100 ~ 850	880 ~ 940	—	580 ~ 640

**MECHANICAL PROPERTIES IN NORMAL OR LOW TEMP**

Condition	Tensile Strength σ <sub>b</sub> /Mpa	Yield Strength σ <sub>s</sub> ≥/Mpa	Extensibility δ <sub>5</sub> (%)≥	Reduction of Area ψ(%)≥	Ballistic α <sub>k</sub> (DVM)/J
-20°C	—	—	—	—	65
-50°C	—	—	—	—	50
-80°C	—	—	—	—	40
Room Temperature	490 ~ 610	345	22	—	65

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