



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 37MnSi5 | Material No: 1.5122

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Other(%)
0.33~0.41	1.10~1.40	1.10~1.40	0.035	0.035	—	—	—

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Surface Hardening/°C	Surface Hardness HRC
1100~850	680~720	860~890	830~850Water 840~860Oil	480~650	820~850	52~58

MECHANICAL PROPERTIES

Size/mm	Tensile Strength σ_b /MPa	Yield Strength $\sigma_s \geq$ /MPa	Extensibility $\delta_5(\%) \geq$	Reduction of Area $\psi(\%) \geq$	Ballistic akv/J①
≤16	890~1180	785	11	35	35

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