



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 71Si7 | Material No: 1.5029

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Other(%)
0.68~0.75	1.50~1.80	0.60~0.80	0.035	0.035	—	—	—

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Spring Thermal Forming/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Annealing Hardness ≤HBS
1050~850	900~830	640~680	870~900	830~860Oil	430~500	235

MECHANICAL PROPERTIES

Flat Steel Size/mm	Round Steel Size/mm	Tensile Strength σ_b /MPa	Yield Strength $\sigma_s \geq$ /MPa	Extensibility $\delta_5 \geq$ (%)	Reduction of Area $\psi \geq$ (%)	Ballistic AKV① /J \geq
20	32	1470~1670	1275	5	20	—

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