



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: C85E/Ck85 | Material No: 1.1269

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Other(%)
0.80~0.90	0.15~0.35	0.45~0.65	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
—	—	650~690	—	800~830Oil	300~500	215

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	40	1320~1720	1175	6	40	—

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