



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: CF53(C53G) | Material No: 1.1213

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Other(%)
0.50~0.57	0.15~0.35	0.40~0.70	0.025	0.035	—	—	—

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Surface Hardening/°C	Surface Hardness HRC
1050~850	650~700	830~860	805~835Water 810~845Oil	550~660	800~830	57~62

MECHANICAL PROPERTIES

Size/mm	Tensile Strength   $\sigma_b$ /MPa	Yield Strength   $\sigma_s \geq$ /MPa	Extensibility   $\delta_5(\%) \geq$	Reduction of Area   $\psi(\%) \geq$	Ballistic   akv/J①
≤16	740~880	510	12	25	21

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