



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 20CrMo5 | Material No: 1.7264

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.18~0.23	0.15~0.35	0.90~1.20	0.035	0.035	1.10~1.40	0.20~0.30	—	—

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Carburize/°C	Inside Quench/°C	Surface Quench/°C	Temper/°C	Annealing hardness HBS ≤
1050~850	680~700	840~880	820~850	810~830 Oil	150~180	217

INSIDE 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/J
φ11	1080~1370	735	7	30	27

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