



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 18CrNiMo7-6 | Material No: 1.6587

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.15~0.21	≤0.40	0.50~0.90	0.025	0.015	1.50~1.80	0.25~0.35	1.40~1.70	Al ≤ 0.05 Cu ≤ 0.30

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Carburize/°C	Inside Quench/°C	Surface Quench/°C	Temper/°C	Annealing hardness HBS ≤
1150~850	650~700	880~980	830~870	780~820 Oil	150~200	229

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	1180~1420	835	7	30	41

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