



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 12CrMo19-5/X12CrMo5 Material No: 1.7362							
CHEMICAL COMPOSITION							
C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Other(%)
0.08~0.15	≤0.50	0.30~0.60	0.025	0.02	4.00~6.00	0.45~0.65	—
HARDNESS AND HEAT TREATMENT							
Hot Working(°C)	Annealing(°C)	Quench(°C)	Refrigeration	Temper(°C)			
1100~850	680~730	950~1000	Oil	700~760			
MECHANICAL PROPERTIES							
Tensile Strength $\sigma_b \geq$ Mpa	Yield Strength $\sigma_s \geq$ Mpa	Extensibility $\delta_5 \geq$ (%)	Ballistic $ak_v \geq$ (J/cm ²)	Annealing hardness HBS			
590~740	390	17	62	175~220			

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