



Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 38Cr4 | Material No: 1.7043

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Other(%)
0.34~0.40	0.15~0.40	0.60~0.90	0.025	0.035	0.90~1.20	—	—

HARDNESS AND HEAT TREATMENT

Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Surface Hardening/°C	Surface Hardness HRC
1050~850	680~720	845~885	825~855Water 835~865Oil	540~680	825~855	53~58

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	930~1130	735	11	40	35

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