

Steel Grade: 41Cr4 Material No: 1.7035								
CHEMICAL COMPOSITION								
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.38~0.45	≤0.40	0.60~0.90	0.035	0.035	0.90~1.20	—	—	—
HARDNESS AND HEAT TREATMENT								
Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C			Temper/°C	Annealing hardness HBS ≤	
1050~850	680~720	840~880	820~850Water	830~860Oil		540~680	241	
MECHANICAL PROPERTIES								
Size/mm	Tensile Strength σ_b /Mpa	Yield Strength $\sigma_s \geq$ /Mpa	Extensibility δ_5 (%) \geq	Reduction of Area ψ (%) \geq	Ballistic akv/J③			
≤16	1100~1200	800	10	30	35			
17~40	900~1100	660	12	35	40			

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