

Steel Grade: 37Cr4   Material No: 1.7034								
CHEMICAL COMPOSITION								
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.34~0.41	≤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	845~885	825~855Water 835~865Oil			540~680	235	
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/J③			
≤16	950~1150	750	11	35	35			
17~40	850~1000	630	13	40	40			

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