

Steel Grade: 28Mn6 Material No: 1.1170								
CHEMICAL COMPOSITION								
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.25~0.32	≤0.40	1.30~1.65	0.035	0.035	≤0.40	≤0.10	≤0.40	—
HARDNESS AND HEAT TREATMENT								
Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C			Temper/°C	Annealing hardness HBS ≤	
1100~850	650~700	850~880	820~850Water	830~860Oil	540~680	223		
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/J ^③			
≤16	780~930	590	13	40	40			
17~40	690~840	490	15	45	45			

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