

Steel Grade: 36Mn5   Material No: 1.1167								
CHEMICAL COMPOSITION								
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.32~0.40	≤0.40	1.20~1.50	0.035	0.035	—	—	—	—
HARDNESS AND HEAT TREATMENT								
Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Annealing hardness HBS ≤			
1100~850	650~700	850~880	820~850 Water	480~650	217			
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/J <sup>③</sup>			
≤16	930~1080	685	9	35	41			
17~40	830~890	590	10	40	41			

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