

Steel Grade: 34CrNiMo6 Material No: 1.6582								
CHEMICAL COMPOSITION								
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.30~0.80	≤0.40	0.50~0.80	0.035	0.035	1.30~1.70	0.15~0.30	1.30~1.70	—
HARDNESS AND HEAT TREATMENT								
Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C	Temper/°C	Annealing hardness HBS ≤			
1050~850	650~700	850~880	830~860Oil	540~680	248			
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	1200~1400	1000	9	40	40			
17~40	1100~1300	900	10	45	50			

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