

Steel Grade: C60E/Ck60 Material No: 1.1221									
CHEMICAL COMPOSITION									
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)	Other(%)	
0.57~0.65	≤0.40	0.60~0.90	0.035	0.035	≤0.40	≤0.10	≤0.40	Cr+Mo+Ni < 0.63%	
HARDNESS AND HEAT TREATMENT									
Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C		Temper/°C	Annealing hardness HBS ≤			
1050~850	650~700	820~850	800~830	Water 810~840	Oil	540~680	247		
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	850~1000	580	11	25	—				
17~40	800~950	520	13	30	—				

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