

Steel Grade: C55 Material No: 1.0535								
CHEMICAL COMPOSITION								
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.52~0.60	≤0.40	0.60~0.90	0.045	0.045	≤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	830~860	805~835	Water	815~845	Oil	540~680	229
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	800~950	550	12	25		—		
17~40	750~900	500	14	30		—		

From: Jiangyou Hacer Technology Co., Limited
 Factory Add: Jiangzhang Road, Jiangyou City, SC, China
 Website: <https://www.jhacer.com/>
 Email: sales@jhacer.com
 Phone: +86-(0)816-3260757
 Call: +86-13658128897(WhatsApp)