

Steel Grade: 46Cr2   Material No: 1.7006								
CHEMICAL COMPOSITION								
C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.42~0.50	≤0.40	0.50~0.80	0.035	0.035	0.40~0.60	—	—	—
HARDNESS AND HEAT TREATMENT								
Hot Working/°C	Annealing/°C	Normalizing/°C	Quench/°C			Temper/°C	Annealing hardness HBS ≤	
1100~850	650~700	840~870	820~850	Water	830~860	Oil	540~680	223
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	900~1100	650	12	35		35		
17~40	800~950	550	14	40		40		

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