

Steel Grade: 16Mo5 Material No: 1.5423										
CHEMICAL COMPOSITION										
C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)		
0.12~0.20	0.15~0.50	0.50~0.80	0.04	0.04	—	0.45~0.65	—	—		
HARDNESS AND HEAT TREATMENT MECHANICAL PROPERTIES										
Hot Working °C	Annealing/Normalizing °C	Quench °C	Temper °C	Brinell Hardness HBS	Tensile Strength $\sigma_{b} \geq$ Mpa	Normal Temp Yield Strength $ \sigma_s \geq$ Mpa	Extensibility $ \delta_5 \geq$ (%)	Ballistic $ \text{akv} \geq$ J⑥		
1100~850	880~940③	—	—	—	490~590	265	21	41⑤		
Yield Strength $ \sigma_{0.2} \geq$ /Mpa					Creep Limit/Mpa 1000h					
200°C	300°C	350°C	400°C	450°C	500°C	450°C	500°C	550°C	600°C	10000h 450°C
245	196	177	167	157	137	—	—	—	—	216
Creep Limit/Mpa 10000h			Creep Rupture/Mpa 1000h			Creep Rupture/Mpa 10000h				
500°C	550°C	600°C	450°C	500°C	550°C	600°C	450°C	500°C	550°C	600°C
132	59	—	167	74	25	—	304	176	71	—

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)
 Fax: +86-(0)816-3260757