

Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 16Mo3/15Mo3 | Material No: 1.5415

CHEMICAL COMPOSITION

C(%) ≤	Si(%) ≤	Mn(%) ≤	P(%) ≤	S(%) ≤	Cr(%)	Mo(%)	Ni(%)	Other(%)
0.12~0.20	≤0.35	0.40~0.9	0.03	0.025	≤0.30	0.25~0.35	≤0.30	Cu≤0.30; Al≤0.050

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 $ak_v \geq$ J⑥		
1100~850	660~700	910~940 Oil	660~710	130~170	440~570	265	23	48		
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
255	206	196	177	177	147	—	—	—	—	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
147	—	—	—	98	—	—	304	177	71	—

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