



# Jiangyou Hacer Technology Co., Ltd.

Steel Grade: ASTM T1 | UNS T12001 | Type: Tungsten Series

## CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) $\leq$	S(%) $\leq$ ②	Cr(%)	Mo(%)	V(%)	W(%)	Co(%)
0.65~0.80	0.20~0.40	0.10~0.40	0.03	0.03	3.75~4.50	—	0.90~1.30	17.25~18.75	—

## HARDNESS AND HEAT TREATMENT

Hardness HBS			Preheating Temperature/ °C	Quenching/°C		Tempering/°C	Hardness $\geq$ HRC   After Tempering
Annealing	Cold Drawing	Annealing after Cold Drawing		Salt-Bath Furnace	Controlled Atmosphere Furnace		
255	269	262	816~871	1277	1288	552	63

Remark:

①,  $\omega(\text{Cu} + \text{Ni}) \leq 0.75\%$

②, The composition of S can be increased to  $\omega(\text{S}) 0.06\% \sim 0.15\%$  in order to improve the performance of

③, The standard is ASTM A600-1999.

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