



# Jiangyou Hacer Technology Co., Ltd.

Steel Grade: ASTM M1 | UNS T11301 | Type: Molybdenum Series

## CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%) $\leq$	S(%) $\leq$ ②	Cr(%)	Mo(%)	V(%)	W(%)	Co(%)
0.78~0.88	0.20~0.50	0.15~0.40	0.03	0.03	3.50~4.00	8.20~9.20	1.00~1.35	1.40~2.10	—

## 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		
248	262	255	732~843	1196	1207	552	64

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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