Jiangyou Hacer Technology Co., Ltd.

Steel Grade: ASTM D7 | UNS T30407									
CHEMICAL COMPOSITION									
C(%)	Si(%)	Mn(%)	P(%)⩽	S(%)②	Cr(%)	Mo(%)	V(%)	W(%)	Other①
2.15～2.50	0.10～0.60	0.10～0.60	0.03	0.03	11.5～13.5	0.70～1.20	3.80～4.40	—	—
HARDNESS AND HEAT TREATMENT									
Hardness HBS | After Annealing	Hardness HBS | After Cold Drawing	Preheating Temperature /℃	Quenching/ ℃ | Salt-bath Furnace	Quenching/℃ | Atmosphere Furnace	Holding Time/min	Quenching Medium	Tempering/℃	Hardness⩾HRC | After Tempering	
262	277	816	1052	1066	10～20	Air Cooling	204	63	

Remark:

①, Residual elements content: Ni + Cu⩽0.75%.

②, A,D,H series to improve machinability, sulfur content can be increased to ω(S)0.06%～0.15%.

③, Increase the H13 sulfur, the upper limit of manganese content can reach ω(Mn)1.00%.

④, It also have Al which is ω(Al)1.05%～1.25%.

⑤, P20 and P21 usually to pre hardened state supplies.

⑥, After tempering hardness L2 refers to the hardness of ω(C)0.45%～0.55%.

⑦, It standard is ASTM A681-1999.

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