Jiangyou Hacer Technology Co., Ltd.

Steel Grade: ASTM H22 | UNS T20822									
CHEMICAL COMPOSITION									
C(%)	Si(%)	Mn(%)	P(%)⩽	S(%)②	Cr(%)	Mo(%)	V(%)	W(%)	Other①
0.30～0.40	0.15～0.40	0.15～0.40	0.03	0.03	1.75～3.75	—	0.25～0.50	10.0～11.75	—
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	
235	262	788	1177	1191	5～15	Air Cooling	552	53	

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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