

Steel Grade: AISI P1 | UNS —

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	Cr(%)	Mo(%)	V(%)	W(%)	Other(%)
≤0.10	0.10~0.40	0.10~0.30	—	—	0.1	—	—

HARDNESS AND HEAT TREATMENT

Initial Forging Temperature/°C	Finish Forging Temperature/°C	Annealing/°C	Hardbess HBS After Annealing	Quenching/°C	Quenching Medium	Tempering/°C	Hardbess HBC After Tempering
1200~1290	1040	730~900	81~100	790~800①	Water or Saline	150~260	64~58②

Remark:

- ①, The temperature is after carburization.
- ②, It is surface hardness after carburization.
- ③, Aging treatment.

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