

Steel Grade: AISI S3 | UNS —

CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	Cr(%)	Mo(%)	V(%)	W(%)	Other(%)
0.45~0.55	0.10~0.40	0.10~0.40	0.85~1.15	—	—	0.85~1.15	—

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
1010~1120	870	790~820	181~212	820~870	Saline or Water	150~310	59~50

Remark:

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

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