

| Steel Grade: AISI H16   UNS —  |                               |              |                                |              |                  |              |                                |
|--------------------------------|-------------------------------|--------------|--------------------------------|--------------|------------------|--------------|--------------------------------|
| CHEMICAL COMPOSITION           |                               |              |                                |              |                  |              |                                |
| C(%)                           | Si(%)                         | Mn(%)        | Cr(%)                          | Mo(%)        | V(%)             | W(%)         | Other(%)                       |
| 0.50~0.60                      | 0.80~1.00                     | 0.50~0.70    | 7.00~7.50                      | —            | —                | 7.00~7.50    | —                              |
| 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 |
| 1070~1180                      | 930                           | 870~900      | 212~241                        | 1120~1180    | Air or Oil       | 570~680      | 60~45                          |

Remark:

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

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