

| Steel Grade: ASTM 4118 |                    |           |        |        |           |           |       |
|------------------------|--------------------|-----------|--------|--------|-----------|-----------|-------|
| CHEMICAL COMPOSITION   |                    |           |        |        |           |           |       |
| C(%)                   | Si(%) <sup>③</sup> | Mn(%)     | P(%) ≤ | S(%) ≤ | Cr(%)     | Mo(%)     | Ni(%) |
| 0.18~0.23              | 0.15~0.35          | 0.70~0.90 | 0.04   | 0.04   | 0.40~0.60 | 0.08~0.15 | —     |

Remark:

- ①, Remnant element:Cr≤0.20%, Mo≤0.06%, Ni≤0.25%, Cu≤0.35%
- ②, When the ω(Pb) is between 0.15% and 0.35%, the steel grade should be added "L" between the second number and the third number.
- ③, We can supply the steel of ω(Si)≤0.15%, if you want to use it to cold forming parts, please choose ω(Si)≤0.10%.
- ④, It is boron steel and the ω(B) is 0.0005%~0.003%, can not contain Ti, the max ω(B) is 0.005%.

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