

| Steel Grade: ASTM 5135 |                    |           |        |        |           |       |       |
|------------------------|--------------------|-----------|--------|--------|-----------|-------|-------|
| CHEMICAL COMPOSITION   |                    |           |        |        |           |       |       |
| C(%)                   | Si(%) <sup>③</sup> | Mn(%)     | P(%) ≤ | S(%) ≤ | Cr(%)     | Mo(%) | Ni(%) |
| 0.33~0.38              | 0.15~0.35          | 0.60~0.80 | 0.04   | 0.04   | 0.80~1.05 | —     | —     |

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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