

牌号  
GradeK446



规格参数：  
Specification:

|                  |                |                   |        |
|------------------|----------------|-------------------|--------|
| 直径：<br>Diameter: | ø50-ø100 mm    | 公差：<br>Tolerance: | ±1 mm  |
| 长度：<br>Length:   | 160-1500 mm    | 公差：<br>Tolerance: | ±10 mm |
| 状态：<br>State:    | 磨光<br>Grinding | 车光<br>Lathing     |        |

根据客户要求定制规格：长度，尺寸，公差和粗糙度等。  
Customized specifications according to customers' requirements: length, dimensions, tolerances, roughness, etc.

|                       |                   |                   |
|-----------------------|-------------------|-------------------|
| 化学成分：                 | 国标                | 航标                |
| Chemical composition： | National standard | Aviation standard |

| 元素符号           |    | 成分%          | 元素符号           |    | 成分%          |
|----------------|----|--------------|----------------|----|--------------|
| Element symbol |    | Composition% | Element symbol |    | Composition% |
| 铬              | Cr | 15.00-17.00  | 硅              | Si | ≤0.3         |
| 铝              | Al | 1.5-2.0      | 锰              | Mn | ≤0.3         |
| 钼              | Mo | 3.0-4.0      | 铁              | Fe | 14.00-16.00  |
| 钛              | Ti | 2.1-2.6      | 镍              | Ni | 余量/Balance   |
| 碳              | C  | 0.06-0.12    | 锆              | Zr | 0.01         |
| 硼              | B  | 0.01         | 硫              | S  | ≤0.01        |
| 磷              | S  | ≤0.01        |                |    |              |

|                       |                 |         |
|-----------------------|-----------------|---------|
| 力学性能                  | 试样状态：           | 铸态      |
| Mechanical properties | Test bar state: | casting |

| 试验温度<br>Test temp<br>(℃) | 抗拉强度<br>Tensile strength<br>(MPa) | 屈服强度<br>Yield strength<br>(MPa) | 延伸率<br>Elongation<br>(%) | 断面收缩率<br>Reduction of area<br>(%) | 试验温度<br>Test temp<br>(℃) | 试验应力<br>Test stress<br>(MPa) | 持续时间<br>Duration<br>(h) | 延伸率<br>Elongation<br>(%) |
|--------------------------|-----------------------------------|---------------------------------|--------------------------|-----------------------------------|--------------------------|------------------------------|-------------------------|--------------------------|
| 室温<br>RT                 | —                                 | —                               | —                        | —                                 | —                        | —                            | —                       | —                        |
| 800                      | ≥640                              | —                               | ≥3.0                     | —                                 | 800                      | 295                          | ≥100                    | —                        |