



宝鸡元大金属有限公司

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铌 产 品

NIOBIUM PRODUCTS

◇ Products Properties 性能:

- 高熔点—2468℃
High melting point—2468℃
- 高沸点—4742℃
High boiling Point—4742℃
- 具有耐腐蚀性，不与无机酸或碱作用，不溶于“王水”。
Excellent resistance to electrochemical corrosion
- 蒸汽压低
Low vapor pressure
- 良好的冷加工性能
Good cold processability
- 优良的化学稳定性
Excellent chemical stability
- 介电常数高
High dielectric constant

◇ Chemical Composition 化学成分:

| 牌号 Grade | Nb | 化学成分 Chemistry % | | | | | | | | | | | | |
|-------------|-----------------|----------------------------|-------|------|-------|-------|-------|------|-------|-------|------|-------|-------|-------|
| | | 杂质含量 不大于 Impurities max | | | | | | | | | | | | |
| | | Zr | Ti | C | N | O | H | Ta | Fe | Si | W | Ni | Mo | Cr |
| Nb1 | 余量 Remainder | 0.02 | 0.002 | 0.01 | 0.015 | 0.015 | 0.001 | 0.10 | 0.005 | 0.005 | 0.03 | 0.005 | 0.010 | 0.002 |
| Nb2 | 余量 Remainder | 0.02 | 0.005 | 0.02 | 0.05 | 0.025 | 0.005 | 0.25 | 0.03 | 0.02 | 0.05 | 0.01 | 0.050 | 0.01 |

◇ Specification 规格:

| Description 产品名称 | Diameter 直径 (mm) | Length 长度(mm) |
|------------------|------------------|---------------|
| Wire 丝 | Φ0.10~Φ3.200 | — |
| Rod 杆 | Φ1.00~Φ12.00 | 50~2000 |
| Bar 棒 | Φ12.00~Φ20.00 | 50~2000 |
| | Φ20.00~Φ30.00 | 50~1200 |
| | Φ30.00~Φ50.00 | 50~1000 |
| Tube 管 | Φ2.000~Φ100.00 | <1300 |

注：所有产品均可按照客户要求生产

Note: All the products can be supplied in according to customer's requirement.

● PURE NIOBIUM——Bar/Rod/Wire

纯铌产品——棒、杆、丝

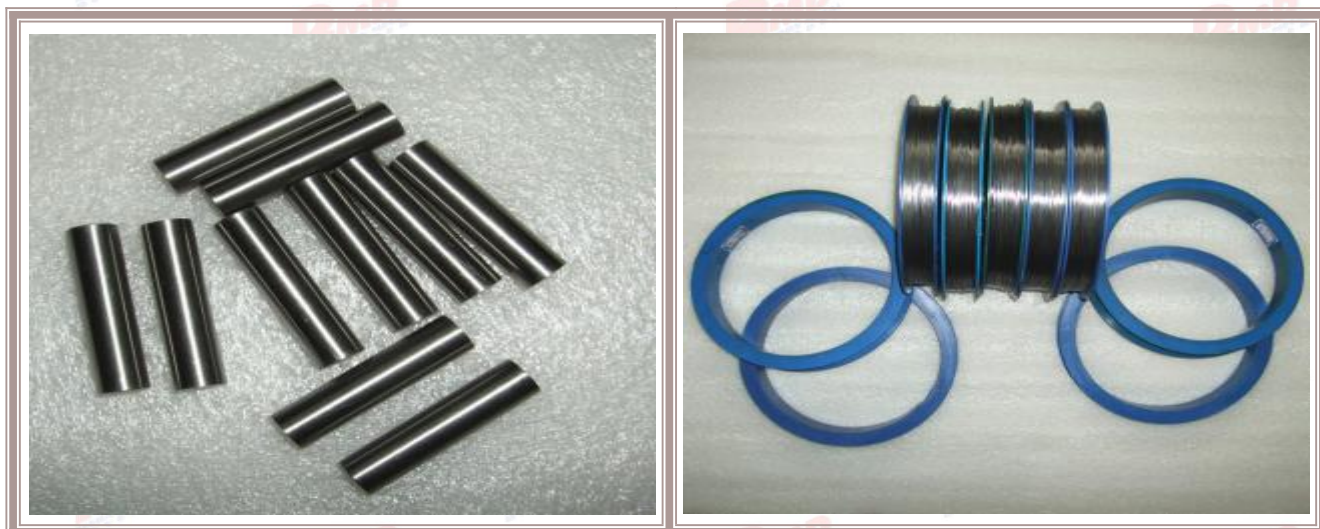
◇ Tolerance 公差:

| 直径 Diameter, inch (mm) | 公差 Tolerance, +/-inch (mm) |
|---------------------------|-------------------------------|
| 0.020~0.030 (0.51~0.76) | 0.00075 (0.019) |
| 0.030~0.060(0.76~1.52) | 0.001 (0.025) |
| 0.060~0.090(1.52~2.29) | 0.0015 (0.038) |
| 0.090~0.125(2.29~3.18) | 0.002(0.051) |
| 0.125~0.187 (3.18~4.75) | 0.003 (0.076) |
| 0.187~0.375(4.75~9.53) | 0.004(0.102) |
| 0.375~0.500 (9.53~12.7) | 0.005(0.127) |
| 0.500~0.625 (12.7~15.9) | 0.007(0.178) |
| 0.625~0.750 (15.9~19.1) | 0.008(0.203) |
| 0.750~1.000(19.1~25.4) | 0.010(0.254) |
| 1.000~1.500(25.4~38.1) | 0.015(0.381) |
| 1.500~2.000(38.1~50.8) | 0.020(0.508) |
| 2.000~2.500(38.10~50.80) | 0.030(0.762) |

注：公差要求可根据用户需要调整

Note:Special demands on tolerance available.

◇ Products show 展示:



● NIOBIUM Tube 铌管

◇ Tolerance 公差:

| 外径 Outside diameter, inch (mm) | 外径公差 OD tolerance, inch(mm), +/- | 内径公差 ID tolerance, inch(mm), +/- | 壁厚允许偏差 Permissible variation in wall thickness, %, +/- |
|--------------------------------------|--|--|---|
| ≥0.187~0.625(4.7-15.9) | 0.004 (0.010) | 0.004 (0.010) | 10 |
| ≥0.625~1.000(15.9-25.4) | 0.005 (0.13) | 0.005 (0.13) | 10 |
| ≥1.000~2.000(25.4-50.8) | 0.0075 (0.19) | 0.0075 (0.19) | 10 |
| ≥2.000~3.000(50.8-76.2) | 0.010(0.25) | 0.010(0.25) | 10 |
| ≥ 3.000~4.000(76.2-101.6) | 0.0125 (0.32) | 0.0125 (0.32) | 10 |

注：公差要求可根据用户需要调整

Note:Special demands on tolerance available.

◇ Products show 展示:

