

现货MONEL400\UNSN04400外六角螺栓螺母支持第三方检测

产品名称	现货MONEL400\UNSN04400外六角螺栓螺母支持第三方检测
公司名称	上海蒙镍特种合金有限公司
价格	10.00/个
规格参数	
公司地址	松江区泗泾镇泗砖路600号
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产品详情

现货MONEL400\UNSN04400外六角螺栓螺母支持第三方检测

产品名称：MONEL400\UNS N04400

国际通称：MONEL alloy400,UNS N04400, NiCu30Fe W-Nr: 2.4360,Nicorros-alloy400,ATI400,,NAS NW400

执行标准：ASTM B127/ASME SB-127, ASTM B163/ASME SB-163, ASTM B165/ASME SB-165

主要成分：碳(C) 0.30,镍(Ni) 63.0,硅(Si) 0.5,硫(S) 0.024,铁(Fe) 2.5,锰(Mn) 2.0,铜(Cu) 28.0 ~ 34.0

物理性能：密度：8.9g/cm³，熔点：1300-1350，磁性：无

机械性能：抗拉强度：b 480Mpa，屈服强度 b 195Mpa：延伸率：35%，硬度；HB135-179

耐腐蚀性及主要使用环境：

Monel400的耐腐蚀性能一般情况下比镍铜更优越,它比纯镍更耐还原性介质的腐蚀，比纯铜耐氧化性介质的腐蚀，对硫酸、磷酸、碳的耐腐蚀性非常好。特别是耐氢氟酸的腐蚀，对热浓碱也有优良的耐腐蚀性。Monel400合金在氟气、盐酸、硫酸、氢氟酸以及它们的派生物中有极**的耐蚀性。同时在海水中比铜基合金更具耐蚀性。

Monel400属可变形加工的镍-铜系镍基合金，具有很好的耐海水腐蚀和抗化学腐蚀性能，耐氯化物应力腐蚀开裂性能强。该合金是为数不多的能使用在氟化物中的合金之一。在氢氟酸和氟气介质中具有很好的耐氯化物应力裂变腐蚀，如海水、盐水环境中。

在中等浓度的碱性和盐溶液中，Monel 400也有非常好的抗腐蚀性能。

在较冷的碱性环境下，该合金被用在弱酸如硫酸、氟化氢环境中。

酸介质：Monel400在浓度小于85%的硫酸中都是耐蚀的。Monel400是可耐氢氟酸中为数极少的重要材料之一。

水腐蚀：Monel400合金在多数水腐蚀情况下，不仅耐蚀性**，而且孔蚀、应力腐蚀等也很少发现，腐蚀速度小于0.025mm/a。

高温腐蚀：Monel400在空气中连续工作的**温度一般在600 左右，在高温蒸汽中，腐蚀速度小于0.026mm/a。氨：由于Monel400合金镍含量高，故能耐585 以下无水氨和氨化条件下的腐蚀。

配套焊接材料及焊接工艺：MONEL400合金的焊接建议采用AWS A5.14焊丝ERNiCu-7或AWS A5.11焊条En iCrCu-7，焊材尺寸有 2.4、3.2、4.0,产地为：美国SMC和德镍，焊接工艺及指导书欢迎来电索取。

库存情况：MONEL400合金板库存现货尺寸有0.8mm-12mm, MONEL400合金棒材库存现货尺寸有 12mm - 220mm,管材管件及其他可根据客户要求定做。材料产地主要有日本冶金、美国SMC、德国蒂森克虏伯VDM。提供原厂材质证明书、报关单及原产地证明文件。

应用领域有：硫酸和氢氟酸设备、船用换热器、海水淡化设备、盐生产设备、海洋与化学加工设备、螺旋桨轴及水泵、汽油及水箱等。

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General International Name: MONEL alloy400,UNS N04400,NiCu30Fe W-Nr : 2.4360,Nicorros-alloy400,ATI400,,NAS NW400

Enforcement criteria: ASTM B127/ASME SB-127,ASTM B163/ASME SB-163,ASTM B165/ASME SB-165

主要成分：碳(C) 0.30,镍(Ni) 63.0,硅(Si) 0.5,硫(S) 0.024,铁(Fe) 2.5,锰(Mn) 2.0,铜(Cu)28.0~34.0

Physical properties: density :8.9 g/cm³, melting point :1300-1350 , magnetism: nil

Mechanical properties: tensile strength : b 480 Mpa, yield strength b 195 Mpa : elongation : b 35, hardness; HB135-179

Corrosion resistance and main operating environment:

Monel400 corrosion resistance is generally better than nickel copper, it is more resistant to the corrosion of reductive medium than pure nickel, corrosion resistance to sulfuric acid, phosphoric acid, carbon is very good. Especially the corrosion resistance of hydrochloric acid also has excellent corrosion resistance to thermal concentrated alkali. Monel400 alloys have excellent corrosion resistance in fluorine, hydrochloric acid, sulfuric acid, hydrofluoric acid and their derivatives. At the same time, it is more corrosion resistant than copper based alloy in seawater.

Monel400 is a deformable nickel-copper nickel-based alloy with good resistance to seawater corrosion and chemical corrosion, and strong resistance to chloride stress corrosion cracking. The alloy is one of the few alloys that can be used in fluoride. It has good resistance to oxide stress fission corrosion in hydrofluoric acid and fluorine medium, such as seawater and brine environment.

Monel 400 also have very good corrosion resistance in medium concentrations of alkaline and salt solutions.

In cold alkaline environment, the alloy is used in weak acid such as sulfur, hydrogen fluoride environment.

Acid medium: Monel400 are corrosion resistant in sulfuric acid with concentration less than 85%. Monel400 is one of the few important materials for hydrofluoric acid resistance.

Water corrosion: Monel400 alloys in most water corrosion conditions, not only excellent corrosion resistance, but also pitting corrosion, stress corrosion and crevice corrosion, stress corrosion and so on. The corrosion rate is less than mm/a.0.025

High temperature corrosion: the maximum temperature for continuous operation of Monel400 in air is generally about 600 °C. In high temperature steam, the corrosion rate is less than mm/a.0.026 Ammonia: due to the high nickel content of Monel400 alloy, it can resist corrosion under the condition of anhydrous ammonia and ammoniation below 585 °C.

Supporting welding materials and welding process: the welding of MONEL400 alloy is recommended to adopt AWS A5.14 wire ERNiCu-7 or AWS A5.11 electrode. The size of welding material is: American SMC and German nickel, welding process and instruction are welcome to call for.

Inventory: MONEL400 alloy plate inventory spot size 0.8 mm-12mm, MONEL400 alloy bar inventory spot size 12mm- 220mm, pipe fittings and other can be customized according to customer requirements. The main sources of materials are Japanese metallurgy, the United States SMC, Germany ThyssenKrupp VDM. Provide original factory material certificate, customs declaration and certificate of origin.

Applications include: sulphuric acid and hydrofluoric acid equipment, marine heat exchanger, desalination equipment, salt production equipment, marine and chemical processing equipment, propeller shaft and water pump, gasoline and water tank.