

# **MONEL R 405**

## **UNS N04405**

### **Characteristics.**

- It is a nickel-copper alloy with a controlled amount of sulfur.
- Seawater resistant, high temperature steam, salt and caustic solutions.
- Solid solution that can be hardened only by cold working.
- Good corrosion resistance, easy to weld and has great strength.
- Generally immune to stress corrosion cracking but poor in oxidizing conditions.
- Great ability to make machined.
- Excellent resistance to rapid fluid from seawater or brine water.
- It can be easily welded.
- Use in automatic screw machines, screw machine products machining parts, spare parts for valves and meters, etc. is recommended

### **Shape or Presentation**

- Round bar
- Hexagonal bar

### **Chemical Composition %**

<b>Ni</b>	<b>Cu</b>	<b>Fe</b>	<b>S</b>
<b>63.0 min</b>	<b>28.0 - 34.0</b>	<b>2.5 max</b>	<b>0.025 - 0.060</b>
<b>Mn</b>	<b>C</b>	<b>Si</b>	
<b>2.0 max</b>	<b>0.3 max</b>	<b>0.5 max</b>	

**\* Monel is a registered trademark of Special Metals Corporation group.**