



Material - ASTM B 407 N08890

Standard Specification for Nickel-Iron-Chromium Alloy Seamless Pipe and Tube

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 407 N08890 Nickel-Iron-Chromium Alloy Seamless Pipe and Tube

Application - Intended for Valve, Pump, General Engineering, Automotive and other Industries

Grade Belongs to the Industry - Pipe and Tube

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Carbon | C % | 0.060 - 0.140 | As-Cast or Annealing or Age Hardning | |
| Silicon | Si % | 1.000 - 2.000 | | |
| Manganese | Mn % | 1.500 max. | | |
| Chromium | Cr % | 23.500 - 28.500 | | |
| Copper | Cu % | 0.750 max. | | |
| Sulphur | S % | 0.015 max. | | |
| Aluminium | Al % | 0.050 - 0.600 | | |
| Titanium | Ti % | 0.150 - 0.600 | | |
| Molybdenum | Mo % | 1.000 - 2.000 | | |
| Niobium | Nb % | 0.200 - 1.000 | | |
| Tantalum | Ta % | 0.100 - 0.600 | Mechanical Properties Tensile Strength in Mpa 520 min. Yield Strength in Mpa 205 min. Elongation in % 35 min. Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| Nickel | Ni % | 40.000 - 45.000 | | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| B 408 N08890 | ASTM | USA | Rod and Bar |
| B 409 N08890 | ASTM | USA | Plate, Sheet and Strip |
| SB-407 N08890 | ASME | USA | Pipe and Tube |
| SB-408 N08890 | ASME | USA | Rod and Bar |
| SB-409 N08890 | ASME | USA | Plate, Sheet and Strip |
| - | - | - | - |
| - | - | - | - |

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +91846916029, or email marketing@gravitycastindia.com

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