

## Material - ASTM B 730 N02201

### Standard Specification for Nickel and Nickel Copper Alloy Tube

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 730 N02201 Nickel and Nickel Copper Alloy Tube

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

Grade Belongs to the Industry - Tube

| Chemical Composition |      |            | Heat Treatment                                                                                                                                                                                     |  |
|----------------------|------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Carbon               | C %  | 0.020 max. | As-Cast or Annealing or Age Hardning                                                                                                                                                               |  |
| Silicon              | Si % | 0.350 max. |                                                                                                                                                                                                    |  |
| Manganese            | Mn % | 0.350 max. |                                                                                                                                                                                                    |  |
| Copper               | Cu % | 0.250 max. |                                                                                                                                                                                                    |  |
| Sulphur              | S %  | 0.010 max. |                                                                                                                                                                                                    |  |
| Iron                 | Fe % | 0.400 max. |                                                                                                                                                                                                    |  |
| Nickel               | Ni % | Balance    |                                                                                                                                                                                                    |  |
| -                    | -    | -          | <b>Mechanical Properties</b><br>Tensile Strength in Mpa 345 min.<br>Yield Strength in Mpa 70 min.<br>Elongation in % 15 min.<br>Reduction of Area in % -<br>Hardness in BHN -<br>Impact in Joule - |  |
| -                    | -    | -          |                                                                                                                                                                                                    |  |
| -                    | -    | -          |                                                                                                                                                                                                    |  |
| -                    | -    | -          |                                                                                                                                                                                                    |  |
| -                    | -    | -          |                                                                                                                                                                                                    |  |
| -                    | -    | -          |                                                                                                                                                                                                    |  |
| -                    | -    | -          |                                                                                                                                                                                                    |  |
| -                    | -    | -          |                                                                                                                                                                                                    |  |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| B 725 N02201          | ASTM     | USA     | Pipe                         |
| N02201                | UNS      | USA     | Pipe                         |
| B 160 N02201          | ASTM     | USA     | Rod and Bar                  |
| B 161 N02201          | ASTM     | USA     | Pipe and Tube                |
| B 162 N02201          | ASTM     | USA     | Plate, Sheet and Strip       |
| B 163 N02201          | ASTM     | USA     | Tube                         |
| SB-160 N02201         | ASME     | USA     | Rod and Bar                  |

For any further inquiries, please do not hesitate to contact us. You may visit our website at [AMTECH TECHNOCAST PVT. LTD.](http://AMTECH TECHNOCAST PVT. LTD.), call us at [+91 9879817994](tel:+919879817994), or email us at [manish@amtechtechnocast.com](mailto:manish@amtechtechnocast.com)

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