

## Material - ASTM B 626 N06030

### Standard Specification for Nickel and Nickel-Cobalt Alloy Tube

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 626 N06030 Nickel and Nickel-Cobalt 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 %       | 0.030 max.      | As-Cast or Annealing or Age Hardning                                                                                                                                                                |  |
| Silicon              | Si %      | 0.800 max.      |                                                                                                                                                                                                     |  |
| Manganese            | Mn %      | 1.500 max.      |                                                                                                                                                                                                     |  |
| Chromium             | Cr %      | 28.000 - 31.500 |                                                                                                                                                                                                     |  |
| Sulphur              | S %       | 0.020 max.      |                                                                                                                                                                                                     |  |
| Molybdenum           | Mo %      | 4.000 - 6.000   |                                                                                                                                                                                                     |  |
| Phosphorus           | P %       | 0.040 max.      |                                                                                                                                                                                                     |  |
| Nb + Ta              | Nb% + Ta% | 0.300 - 1.500   | <b>Mechanical Properties</b><br>Tensile Strength in Mpa 586 min.<br>Yield Strength in Mpa 241 min.<br>Elongation in % 30 min.<br>Reduction of Area in % -<br>Hardness in BHN -<br>Impact in Joule - |  |
| Tungsten             | W %       | 1.500 - 4.000   |                                                                                                                                                                                                     |  |
| Copper               | Cu %      | 1.000 - 2.400   |                                                                                                                                                                                                     |  |
| Cobalt               | Co %      | 5.000 max.      |                                                                                                                                                                                                     |  |
| Iron                 | Fe %      | 13.000 - 17.000 |                                                                                                                                                                                                     |  |
| Nickel               | Ni %      | Balance         |                                                                                                                                                                                                     |  |
| -                    | -         | -               |                                                                                                                                                                                                     |  |
| -                    | -         | -               |                                                                                                                                                                                                     |  |

| Cross Reference Table |          |         |                                         |
|-----------------------|----------|---------|-----------------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry            |
| B 581 N06030          | ASTM     | USA     | Rod                                     |
| B 582 N06030          | ASTM     | USA     | Plate, Sheet and Strip                  |
| B 462 N06030          | ASTM     | USA     | Pipe Flanges, Forged Fittings and Valve |
| B 619 N06030          | ASTM     | USA     | Pipe                                    |
| B 622 N06030          | ASTM     | USA     | Pipe and Tube                           |
| B 472 N06030          | ASTM     | USA     | Billets and Bars                        |
| SB-581 N06030         | ASME     | USA     | Rod                                     |

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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