

# Material: UNS K93600

## Standard Specification for Nickel-Iron Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** UNS K93600 Nickel-Iron Alloy Pipe, Tube, Sheet, Strip, Plate, Round Bar, Flat Bar, Forging Stock, Hexagon and Wire

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

**Grade Belongs to the Industry:** Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire

| Chemical Composition |      |             | Heat Treatment                       |          |
|----------------------|------|-------------|--------------------------------------|----------|
| Nickel               | Ni % | 36.000 min. | As-Cast or Annealing or Age Hardning |          |
| Iron                 | Fe % | 34.000 max. |                                      |          |
| -                    | -    | -           |                                      |          |
| -                    | -    | -           |                                      |          |
| -                    | -    | -           |                                      |          |
| -                    | -    | -           |                                      |          |
| -                    | -    | -           |                                      |          |
| -                    | -    | -           |                                      |          |
| -                    | -    | -           |                                      |          |
| -                    | -    | -           |                                      |          |
|                      |      |             | Mechanical Properties                |          |
| -                    | -    | -           | Tensile Strength in Mpa              | 490 min. |
| -                    | -    | -           | Yield Strength in Mpa                | 270 min. |
| -                    | -    | -           | Elongation in %                      | 35 min.  |
| -                    | -    | -           | Reduction of Area in %               | -        |
| -                    | -    | -           | Hardness in BHN                      | 130 min. |
| -                    | -    | -           | Impact in Joule                      | -        |

| Cross Reference Table |          |         |   |
|-----------------------|----------|---------|---|
| Material              | Standard | Country | Grade Belong to the Industry                      |
| NILO Alloy 36         | Gravity  | India   | Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire |
| Dilaton 36            | Gravity  | India   | Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire |
| -                     | -        | -       | -   |
| -                     | -        | -       | -   |
| -                     | -        | -       | -   |
| -                     | -        | -       | -   |
| -                     | -        | -       | -   |

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