



## Material - UNE AM-X 30 CrNi 20-10

### Standard Specification for Heat Resistant Steel Castings

Group - Ferrous Stainless Steel Alloys

Sub Group - UNE AM-X 30 CrNi 20-10 Heat Resistant Steel Castings

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

Grade Belongs to the Industry - Casting

| Chemical Composition |      |                 | Heat Treatment          |          |
|----------------------|------|-----------------|-------------------------|----------|
| Carbon               | C %  | 0.200 - 0.400   | As - Cast               |          |
| Silicon              | Si % | 2.000 max.      |                         |          |
| Manganese            | Mn % | 2.000 max.      |                         |          |
| Phosphorus           | P %  | 0.040 max.      |                         |          |
| Sulphur              | S %  | 0.040 max.      |                         |          |
| Chromium             | Cr % | 18.000 - 23.000 |                         |          |
| Nickel               | Ni % | 8.000 - 12.000  |                         |          |
| Molybdenum           | Mo % | 0.500 max.      |                         |          |
| Iron                 | Fe % | Balance         | Mechanical Properties   |          |
| -                    | -    | -               | Tensile Strength in Mpa | 485 min. |
| -                    | -    | -               | Yield Strength in Mpa   | 240 min. |
| -                    | -    | -               | Elongation in %         | 25 min.  |
| -                    | -    | -               | Reduction of Area in %  | -        |
| -                    | -    | -               | Hardness in BHN         | -        |
| -                    | -    | -               | Impact in Joule         | -        |

| Cross Reference Table |          |                |                              |
|-----------------------|----------|----------------|------------------------------|
| Material              | Standard | Country        | Grade Belong to the Industry |
| 1.4826                | DIN      | Germany        | Casting                      |
| SCH 12                | JIS      | Japan          | Casting                      |
| G X 30 CrNi 20-10     | UNI      | Italy          | Casting                      |
| J92603                | UNS      | USA            | Casting                      |
| 422934                | CSN      | Czech Republic | Casting                      |
| G X 40 CrNiSi 22-9    | DIN      | Germany        | Casting                      |
| A297 Grade HF         | ASTM     | USA            | Casting                      |

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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