GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - BS ISO 16143-1 X2CrNiMoCuN25-6-3 (4507-325-20-I)

## Standard Specification for Stainless Steels for General Purposes

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - BS ISO 16143-1 X2CrNiMoCuN25-6-3 (4507-325-20-I) Stainless Steels for General Purposes**

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

**Grade Belongs to the Industry - Steel**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.030 max. |
| Silicon | Si % | 0.700 max. |
| Manganese | Mn % | 2.000 max. |
| Phosphorus | P % | 0.035 max. |
| Sulphur | S % | 0.015 max. |
| Chromium | Cr % | 24.000 - 26.000 |
| Molybdenum | Mo % | 2.500 - 4.000 |
| Nickel | Ni % | 5.000 - 7.500 |
| Nitrogen | N % | 0.150 - 0.300 |
| Copper | Cu % | 1.000 - 2.500 |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| As-Raw or Solution Annealing |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 750 min. |
| Proof Strength in Mpa | 550 min. |
| Elongation in % | 17 min. |
| Reduction of Area in % | - |
| Hardness in HBW | - |
| Impact in Joule | 100 @ RT |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| EN 10088-2 X 2 CrNiMoCuN 25-6-3 | UNI | Italy | Steel and Casting |
| EN 10088-3 X2CrNiCuN25-6-3 | AFNOR NF | France | Steel |
| EN 10088-2 X2CrNiCuN25-6-3 | AFNOR NF | France | Steel |
| EN 10088-2 X 2 CrNiMoCuN 25-6-3 | DIN | Germany | Steel |
| EN 10088-3 X2CrNiCuN25-6-3 | DIN | Germany | Steel |
| 10088-3 X 2 CrNiMoCuN 25 6 3 | EN | European Union | Steel |
| 10088-2 X 2 CrNiMoCuN 25 6 3 | EN | European Union | Steel |

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

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