GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - BS EN 10088-1 1.4420 (X2CrNiMoN21-9-1)

## Standard Specification for Stainless Steel

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - BS EN 10088-1 1.4420 (X2CrNiMoN21-9-1) Stainless Steel**

**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 % | 1.000 max. |
| Manganese | Mn % | 2.000 max. |
| Phosphorus | P % | 0.045 max. |
| Sulphur | S % | 0.015 max. |
| Chromium | Cr % | 19.500 - 21.500 |
| Molybdenum | Mo % | 0.500 - 1.500 |
| Nickel | Ni % | 8.000 - 9.500 |
| Nitrogen | N % | 0.140 - 0.250 |
| Copper | Cu % | 1.000 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

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

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | - |
| Proof Strength in Mpa | - |
| Elongation in % | - |
| Reduction of Area in % | - |
| Hardness in HRB | - |
| Impact in Joule | - |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| 35-583 Z 5 CNSNb 20-10 | AFNOR NF | France | Steel |
| AMS-QQ-S-763 304 | SAE | USA | Steel |
| AMS-QQ-S-763 304L | SAE | USA | Steel |
| 2S130 18/9 S 130 | B.S. | United Kingdom | Steel |
| SAE AMS 5674 304 L | AISI | USA | Steel |
| 1449 304L | AS | Australia | Plate, Sheet and Strip |
| 5632 03Ch18N11 | GOST | Russia | 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**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.