

Material: AFNOR NF X3CrNiMoCuN25-7

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: AFNOR NF X3CrNiMoCuN25-7 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel and Tube

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|--|--|
| Carbon | C % | 0.030 max. | Solution Annealing | |
| Silicon | Si % | 0.750 max. | | |
| Manganese | Mn % | 2.000 max. | | |
| Phosphorus | P % | 0.035 max. | | |
| Sulphur | S % | 0.010 max. | | |
| Chromium | Cr % | 24.000 - 26.000 | | |
| Molybdenum | Mo % | 2.700 - 3.900 | | |
| Nickel | Ni % | 5.500 - 7.500 | | |
| Copper | Cu % | 1.000 - 2.000 | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 690 - 890 Yield Strength in Mpa 490 min. Elongation in % 17 min. Reduction of Area in % - Hardness in HV 320 max. Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
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| Cross Reference Table | | | |
|-----------------------|----------|----------------|-------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 10216-5 EN 1.4507 | BS | British | Tube |
| 1.4507 | EN | European Union | Tube |
| 1.4507 | DIN | Germany | Steel, Sheet, Plate and Strip |
| X2CrNiMoCuN25-6-3 | AFNOR NF | France | Steel |
| X2CrNiMoCuN25-6-3 | DIN | Germany | Steel, Sheet, Strip and Plate |
| X2CrNiMoCuN25-6-3 | UNI | Italy | Steel, Sheet, Strip and Plate |
| X2CrNiMoCuN25 6 3 | EN | European Union | Steel and Tube |

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