



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ISO X 2 CrNiMoN 17 13 5

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - ISO X 2 CrNiMoN 17 13 5 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|--|--|
| Carbon | C % | 0.030 max. | Solution Annealing | |
| Silicon | Si % | 1.000 max. | | |
| Manganese | Mn % | 2.000 max. | | |
| Phosphorus | P % | 0.045 max. | | |
| Sulphur | S % | 0.025 max. | | |
| Chromium | Cr % | 16.500 - 18.500 | | |
| Molybdenum | Mo % | 4.000 - 5.000 | | |
| Nickel | Ni % | 12.500 - 14.500 | | |
| Nitrogen | N % | 0.120 - 0.220 | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 580 - 800 Yield Strength in Mpa 270 min. Elongation in % 30 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 55 J @ RT | |
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| - | - | - | | |
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| Cross Reference Table | | | |
|-----------------------|----------|----------------|-----------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 10216-5 EN 1.4439 | BS | British | Tube |
| 1.4439 | DIN | Germany | Steel |
| 1.4439 | EN | European Union | Steel |
| X2CrNiMoN17 13 5 | DIN | Germany | Steel |
| X2CrNiMoN17 13 5 KW | ONORM | Australia | Steel |
| X2CrNiMoN17-13-5 | AFNOR NF | France | Steel, Bar and Rod |
| X2CrNiMoN17 13 | UNE | Spain | Steel, Bar, Wire, Rod and Forging |

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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