



Material - BS 10216-2 EN 1.7362+I

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Alloy Steel

Sub Group - BS 10216-2 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 % | 0.080 - 0.150 | Isothermal Annealing | |
| Silicon | Si % | 0.150 - 0.500 | | |
| Manganese | Mn % | 0.300 - 0.600 | | |
| Phosphorus | P % | 0.025 max. | | |
| Sulphur | S % | 0.020 max. | | |
| Chromium | Cr % | 4.000 - 6.000 | | |
| Molybdenum | Mo % | 0.450 - 0.650 | | |
| Aluminium | Al % | 0.040 max. | | |
| Copper | Cu % | 0.300 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 430 - 580 Yield Strength in Mpa 175 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule 27 min. @ RT | |
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| Cross Reference Table | | | |
|-----------------------|----------|----------------|---------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 1.7362+I | EN | European Union | Steel |
| 1.7362+I | DIN | Germany | Steel |
| X12CrMo5 | DIN | Germany | Steel |
| X12CrMo51 | ISO | International | Steel, Forging, Rolling and Bar |
| X11CrMo5TA | ISO | International | Steel |
| X11CrMo5TN+TT | ISO | International | Steel and Tube |
| X12CrMo5 | 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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