

Material: DIN 1.7362+I

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Alloy Steel

Sub Group: DIN 1.7362+I 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 %	0.080 - 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 HB	163 max.
-	-	-	Impact in Joule	27 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.7362+I	EN	European Union	Steel and Tube
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

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India