



## Material - DIN 1.4362

### Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN 1.4362 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel, Bar and Rods

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	22.000 - 24.000		
Molybdenum	Mo %	0.100 - 0.600		
Nickel	Ni %	3.500 - 5.500		
Copper	Cu %	0.100 - 0.600		
Nitrogen	N %	0.050 - 0.200		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa		600 - 2100		
Yield Strength in Mpa		385 min.		
Elongation in %		20 min.		
Reduction of Area in %		-		
Hardness in HB		290 max.		
Impact in Joule		55 J @ RT		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4362	BS	British	Tube
1.4362	EN	European Union	Steel, Bar and Rod
X2CrNiN23 4	EN	European Union	Steel, Bar and Rod
X2CrNiN23 4	AFNOR NF	France	Steel
X2CrNiN23 4	DIN	Germany	Steel, Bar and Rod
X2CrNiN 234	ISO	International	Steel, Bar, Rolling and Forging
X2CrNiN 23-4	UNI	Italy	Steel, Sheet, Plate and Strip

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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