



Material - BS 10216-5 EN 1.4362

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 10216-5 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Tube

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				
Nickel	Ni %	3.500 - 5.500				
Molybdenum	Mo %	0.100 - 0.600				
Nitrogen	N %	0.050 - 0.200				
Copper	Cu %	0.100 - 0.600				
Iron	Fe %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	600 - 820		
-	-	-	Yield Strength in Mpa	400 min.		
-	-	-	Elongation in %	25 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	40 min. @ -40°C		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4362	EN	European Union	Steel, Bar and Rod
1.4362	DIN	Germany	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

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