

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	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	
-	-	-		
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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

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