

Material: EN 1.4424

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: EN 1.4424 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 %	0.030 max.	Solution Annealing	
Silicon	Si %	1.400 - 2.000		
Manganese	Mn %	1.200 - 2.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	18.000 - 19.000		
Molybdenum	Mo %	2.500 - 3.000		
Nickel	Ni %	4.500 - 5.200		
Nitrogen	N %	0.050 - 0.100		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 680 - 900 Yield Strength in Mpa 400 min. Elongation in % 25 min. Reduction of Area in % - Hardness in HB 260 max. Impact in Joule 60 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4424	BS	British	Tube
1.4424	DIN	Germany	Steel and Tube
X2CrNiMoSi18-5-3	EN	European Union	Steel and Tube
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