Material: EN 1.4424

Standard Specification for Seemless Steel Tubes for Pressure Purposes

Group: *Ferrous Stainless Steel Alloys*
Sub Group: *EN 1.4424 Seemless 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		
Carbon	C %	0.030 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

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

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
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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