

Material: EN 1.6369

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: EN 1.6369 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel

Chemical Composition			Heat Treatment	
Carbon	C %	0.100 - 0.170	Normalizing + Tempering	
Silicon	Si %	0.250 - 0.500		
Manganese	Mn %	0.800 - 0.120		
Phosphorus	P %	0.016 max.		
Sulphur	S %	0.005 max.		
Chromium	Cr %	0.300 max.		
Molybdenum	Mo %	0.250 - 0.400		
Nickel	Ni %	1.000 - 1.300		
Niobium	Nb %	0.015 - 0.025		
Aluminium	Al %	0.050 max.		
			Mechanical Properties	
Copper	Cu %	0.500 - 0.800	Tensile Strength in Mpa	580 - 780
Nitrogen	N %	0.020 max.	Yield Strength in Mpa	410 min.
Iron	Fe %	Balance	Elongation in %	16 min.
-	-	-	Reduction of Area in %	25 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	41 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.6368	EN	European Union	Steel and Flat
1.6368	DIN	Germany	Steel and Flat
1.6368	DIN	Germany	Steel and Flat
15NiCuMoNb5	DIN	Germany	Steel
15 NiCuMoNb 5 S	DIN	Germany	Steel
1.6369	DIN	Germany	Steel
15 NiCuMoNb 5 S	DIN	Germany	Steel

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