

Material: EN 1.6368

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: EN 1.6368 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry: Steel and Flat

Chemical Composition			Heat Treatment	
Carbon	C %	0.170 max.	Normalizing + Tempering	
Silicon	Si %	0.250 - 0.500		
Manganese	Mn %	0.800 - 0.120		
Phosphorus	P %	0.025 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	0.300 max.		
Molybdenum	Mo %	0.250 - 0.500		
Nickel	Ni %	1.000 - 1.300		
Niobium	Nb %	0.015 - 0.045		
Aluminium	Al %	0.015 min.		
			Mechanical Properties	
Copper	Cu %	0.500 - 0.800	Tensile Strength in Mpa	580 - 780
Nitrogen	N %	0.020 max.	Yield Strength in Mpa	400 min.
Iron	Fe %	Balance	Elongation in %	16 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	-
-	-	-	Impact in Joule	27 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
15NiCuMoNb5	DIN	Germany	Steel
15 NiCuMoNb 5 S	DIN	Germany	Steel
1.6369	DIN	Germany	Steel
1.6369	DIN	Germany	Steel
15 NiCuMoNb 5 S	DIN	Germany	Steel

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