

# 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		
Carbon	C %	0.170 max.
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.
Copper	Cu %	0.500 - 0.800
Nitrogen	N %	0.020 max.
Iron	Fe %	Balance
-	-	-
-	-	-

Heat Treatment
Normalizing + Tempering

Mechanical Properties	
Tensile Strength in Mpa	580 - 780
Yield Strength in Mpa	400 min.
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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