

# Material: DIN 15 NiCuMoNb 5 S

## Standard Specification for Seamless Steel Tubes for Pressure Purposes

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** DIN 15 NiCuMoNb 5 S 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		
Carbon	C %	0.100 - 0.170
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
Vanadium	V %	0.020 max.
Niobium	Nb %	0.015 - 0.025
Aluminium	Al %	0.050 max.
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 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
1.6369	DIN	Germany	Steel
1.6369	DIN	Germany	Steel
15 NiCuMoNb 5 S	DIN	Germany	Steel

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