



Material - DIN 1.6368

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - DIN 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.	Normalising + 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.																
Copper	Cu %	0.500 - 0.800																
Nitrogen	N %	0.020 max.																
Iron	Fe %	Balance																
-	-	-	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>580 - 780</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>400 min.</td> </tr> <tr> <td>Elongation in %</td> <td>16 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in HB</td> <td>-</td> </tr> <tr> <td>Impact in Joule</td> <td>27 J @ RT</td> </tr> </tbody> </table>		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
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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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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