



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - EN X2CrNiMoSi18-5-3

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - EN X2CrNiMoSi18-5-3 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel and Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.400 - 2.000		
Manganese	Mn %	1.200 - 2.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	18.000 - 19.000		
Molybdenum	Mo %	2.500 - 3.000		
Nickel	Ni %	4.500 - 5.200		
Nitrogen	N %	0.050 - 0.100		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 680 - 900 Yield Strength in Mpa 400 min. Elongation in % 25 min. Reduction of Area in % - Hardness in HB 260 max. Impact in Joule 60 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4424	BS	British	Tube
1.4424	EN	European Union	Steel and Tube
1.4424	DIN	Germany	Steel and Tube
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

ONE STOP SOLUTION FOR METAL PARTS