



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AFNOR NF X2CrNiMoN17-13-5

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - AFNOR NF X2CrNiMoN17-13-5 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel, Bar and Rods

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	16.500 - 18.500		
Molybdenum	Mo %	4.000 - 5.000		
Nickel	Ni %	12.500 - 14.500		
Nitrogen	N %	0.120 - 0.220		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 580 - 800 Yield Strength in Mpa 270 min. Elongation in % 30 min. Reduction of Area in % - Hardness in HB 250 max. Impact in Joule 60 J @ RT	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4439	BS	British	Tube
1.4439	DIN	Germany	Steel
1.4439	EN	European Union	Steel
X2CrNiMoN17 13 5	DIN	Germany	Steel
X2CrNiMoN17 13 5	ISO	International	Steel
X2CrNiMoN17 13 5 KW	ONORM	Australia	Steel
X2CrNiMoN17 13	UNE	Spain	Steel, Bar, Wire, Rod and Forging

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.

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