



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - BS 10216-5 EN X 2 CrNiMoCuN 25 6 3

### Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 10216-5 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 %	0.700 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	24.000 - 26.000		
Nickel	Ni %	5.500 - 7.500		
Molybdenum	Mo %	2.700 - 4.000		
Nitrogen	N %	0.150 - 0.300		
Copper	Cu %	1.000 - 2.500		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      700 - 900 Yield Strength in Mpa      500 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      40 min. @ -40°C	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1.4507	BS	British	Steel, Sheet, Plate and Strip
1.4507	BS	British	Steel, Sheet, Plate and Strip
1.4507	DIN	Germany	Steel, Sheet, Plate and Strip
X2CrNiMoCuN25-6-3	AFNOR NF	France	Steel
X2CrNiMoCuN25-6-3	DIN	Germany	Steel, Sheet, Strip and Plate
X2CrNiMoCuN25-6-3	UNI	Italy	Steel, Sheet, Strip and Plate
X3CrNiMoCuN25-7	AFNOR NF	France	Steel and Tube

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