



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN 1.4410

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - DIN 1.4410 Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel, Sheet, Plate and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.015 max.		
Chromium	Cr %	24.000 - 26.000		
Molybdenum	Mo %	3.000 - 4.500		
Nickel	Ni %	6.000 - 8.000		
Nitrogen	N %	0.200 - 0.350		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	730 - 2100
			Yield Strength in Mpa	500 min.
			Elongation in %	15 min.
			Reduction of Area in %	-
			Hardness in HB	310 max.
			Impact in Joule	60 J @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
10216-5 EN 1.4410	BS	British	Tube
1.441	EN	European Union	Steel, Sheet, Plate and Strip
X2CrNiMoN25-7-4	AFNOR NF	France	Steel
X2CrNiMoN25-7-4	DIN	Germany	Steel, Sheet, Strip and Plate
X2CrNiMoN25-7-4	UNI	Italy	Steel, Bar and Rod
X2CrNiMoN25 7 4	EN	European Union	Steel and Forging
S32750	UNS	USA	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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