GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10216-5 1.4940 (X7CrNiTi18-10)

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10216-5 1.4940 (X7CrNiTi18-10) Seamless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Tubing

Chemical Composition		
Carbon	C %	0.040 - 0.080
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Nitrogen	N %	0.100 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	9.000 - 13.000
Titanium	Ti %	0.010 - 0.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	510 - 710
Proof Strength in Mpa	220 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
683-13 15	ISO	International	Steel
EN 10028-7 X 7 CrNiTi 18-10	DIN	Germany	Steel
EN 10028-7 1.4941	DIN	Germany	Steel
EN 10088-1 X6CrNiTi18-10	AFNOR NF	France	Steel
EN 10088-3 X6CrNiTi18-10	AFNOR NF	France	Steel
10222-5 X 6 CrNiTiB 18-10	EN	European Union	Steel
10028-7 X 6 CrNiTiB 18-10	EN	European Union	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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