GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10216-5 1.4948 (X6CrNi18-10)

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10216-5 1.4948 (X6CrNi18-10) 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 %	0.035 max.
Sulphur	S %	0.015 max.
Nitrogen	N %	0.100 max.
Chromium	Cr %	17.000 - 19.000
Nickel	Ni %	8.000 - 11.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 - 700
Proof Strength in Mpa	225 min.
Elongation in %	40 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**
EN 10028-7 X 6 CrNi 18-10	DIN	Germany	Steel
EN 10028-7 1.4948	DIN	Germany	Steel
17460 1.4948	DIN	Germany	Steel
17459 1.4948	DIN	Germany	Steel
EU 95 X 6 CrNi 18 10	EN	European Union	Steel
10028-7 X 6 CrNi 18 10	EN	European Union	Steel
10269 X 6 CrNi 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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