GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNE X 6 CrNiMoNb 17 12 2

Standard Specification for Seemless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - UNE X 6 CrNiMoNb 17 12 2 Seemless Steel Tubes for Pressure Purposes

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

Grade Belongs to the Industry - Steel, Bar, Wire, Rod and Forging

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	16.500 - 18.500
Molybdenum	Mo %	2.000 - 2.500
Nickel	Ni %	10.500 - 13.500
Niobium	NB %	1.000 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	510 - 740
Yield Strength in Mpa	215 min.
Elongation in %	30 min.
Reduction of Area in %	-
Hardness in HB	230 max.
Impact in Joule	60 J @ RT

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1.4580	EN	European Union	Tube
1.458	DIN	Germany	Steel, Sheet, Plate and Strip
10216-5	BS	British	Steel, Sheet, Plate and Strip
X6CrNiMoNb17 12 2	DIN	Germany	Steel, Sheet, Plate and Strip
X6CrNiMoNb17 12 2 KKW	ONORM	Australia	Steel
X6CrNiMoNb17-12-2	AFNOR NF	France	Steel, Bar and Rods
318 S 17	BS	British	Steel and Wire

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