GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10216-4 X10Ni9 I 1.5682

Standard Specification for Seamless Steel Tubes for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10216-4 X10Ni9 I 1.5682 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 %	0.130 max.
Silicon	Si %	0.150 - 0.350
Manganese	Mn %	0.300 - 0.800
Phosphorus	P %	0.020 max.
Sulphur	S %	0.005 max.
Nickel	Ni %	8.500 - 9.500
Molybdenum	Mo %	0.100 max.
Copper	Cu %	0.300 max.
Vanadium	V %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Normalizing or Normalizing & Tempering or Quenching & Tempering

Mechanical Properties	
Tensile Strength in Mpa	690 - 840
Yield Strength in Mpa	510 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	70 @ RT

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1501-2 510	B.S.	United Kingdom	Steel and Plates
2604-2 TS 45	ISO	International	Steel
9329-3 X 10 NiMo 9	ISO	International	Steel
EN 10028-4 X 8 Ni 9	B.S.	United Kingdom	Steel
17173 X 8 Ni 9	DIN	Germany	Steel
17280 X 8 Ni 9	DIN	Germany	Steel
9328-3 X 8 Ni 9	ISO	International	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

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.