GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-7 X6CrNiNb18-10 I 1.4550

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10028-7 X6CrNiNb18-10 I 1.4550 Flat Products Made of Steels for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.080 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.045 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	17.000 - 19.000
Niobium	Nb %	0.010 - 1.000
Nickel	Ni %	9.000 - 12.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	520 - 720
Proof Strength in Mpa	240 min.
Elongation in %	40 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	100 @ RT

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
9327-5 X 6 CrNiNb 18 10	ISO	International	Steel, Bars and Forging
M 3120 X 6 CrNiNb 18 10 S	ONORM	Australia	Steel
17458 1.4550	DIN	Germany	Steel and Tubing
EN 10088-2 1.4550	DIN	Germany	Steel
EN 10028-7 1.4550	DIN	Germany	Steel
A 36-209 Z 6 CNNb 18-10	AFNOR NF	France	Steel
G 4312 SUS 347	JIS	Japan	Steel, Plate and Sheet

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.