GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-7 X8CrNiNb16-13 I 1.4961

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10028-7 X8CrNiNb16-13 I 1.4961 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 %	0.040 - 0.100
Silicon	Si %	0.300 - 0.600
Manganese	Mn %	1.500 max.
Phosphorus	P %	0035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	15.000 - 17.000
Niobium	Nb %	0.010 - 1.200
Nickel	Ni %	12.000 - 14.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	510 - 690
Proof Strength in Mpa	240 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN 10028-7 X 8 CrNiNb 16 13	DIN	Germany	Steel
17460 X 8 CrNiNb 16 13	DIN	Germany	Steel
17459 X 8 CrNiNb 16 13	DIN	Germany	Steel and Tubing
EN 10028-7 1.4961	DIN	Germany	Steel
17460 1.4961	DIN	Germany	Steel
17459 1.4961	DIN	Germany	Steel and Tubing
10028-7 1.4958	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

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.