GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-1 1.4988 (X8CrNiMoVNb16-13)

Standard Specification for Stainless Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-1 1.4988 (X8CrNiMoVNb16-13) Stainless Steel

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 %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	15.500 - 17.500
Molybdenum	Mo %	1.100 - 1.500
Nickel	Ni %	12.500 - 14.500
Nitrogen	N %	0.060 - 0.140
Niobium	Nb %	0.010 - 1.200
Vanadium	V %	0.600 - 0.850
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	-
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HRB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
17459 X 8 CrNiMoVNb 16 13	DIN	Germany	Steel
17460 X 8 CrNiMoVNb 16 13	DIN	Germany	Steel
17459 1.4988	DIN	Germany	Steel
17460 1.4988	DIN	Germany	Steel
17240 X 8 CrNiMoBNb 16 16	DIN	Germany	Steel
17240 1.4986	DIN	Germany	Steel
M 3120 X 8 CrNiMoBNb 16 16 S	ONORM	Austria	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.