GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-1 1.4112 (X90CrMoV18)

Standard Specification for Stainless Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-1 1.4112 (X90CrMoV18) Stainless Steel

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.850 - 0.950
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	17.000 - 19.000
Molybdenum	Mo %	0.900 - 1.300
Vanadium	V %	0.070 - 0.120
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

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**
G 4805-17 X90CrMoV18-1	JIS	Japan	Steel
EN 10088-1 X90CrMoV18	AFNOR NF	France	Steel
EN 10088-3 X90CrMoV18	AFNOR NF	France	Steel
SEW 400 X 90 CrMoV 18	DIN	Germany	Steel
10088-3 X 90 CrMoV 18	DIN	Germany	Steel
10088-1 X 90 CrMoV 18	DIN	Germany	Steel
10088-3 X 90 CrMoV 18	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

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