GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-1 1.4913 (X19CrMoNbVN11-1)

Standard Specification for Stainless Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-1 1.4913 (X19CrMoNbVN11-1) Stainless Steel

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.170 - 0.230
Silicon	Si %	0.500 max.
Manganese	Mn %	0.400 - 0.900
Phosphorus	P %	0.025 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	10.000 - 11.500
Molybdenum	Mo %	0.500 - 0.800
Nickel	Ni %	0.200 - 0.600
Nitrogen	N %	0.050 - 0.100
Aluminium	Al %	0.020 max.
Niobium	Nb %	0.250 - 0.550
Vanadium	V %	0.100 - 0.300
Boron	B %	0.0015 max.
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**
10269 X 19 CrMoNbVN 11-1	EN	European Union	Steel
10269 1.4913	EN	European Union	Steel
5632 15Ch11MF	GOST	Russia	Steel
17240 1.4913	DIN	Germany	Steel
17240 X 19 CrMoVNbN 11 1	DIN	Germany	Steel
35-578 Z 21 CDNbV 11	AFNOR NF	France	Steel
4956 X 20 CrMoNiNbV 111	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

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