GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-1 1.4919 (X6CrNiMoB17-12-2)

Standard Specification for Stainless Steel

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-1 1.4919 (X6CrNiMoB17-12-2) 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 - 0.080
Silicon	Si %	1.000 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	16.500 - 18.500
Molybdenum	Mo %	2.000 - 2.500
Nickel	Ni %	10.000 - 13.000
Nitrogen	N %	0.100 max.
Boron	B %	0.0015 - 0.0050
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**
17441 1.4401	DIN	Germany	Steel
1654-5 X 5 CrNiMo 17 12 2	DIN	Germany	Steel
1506 316 S 65	B.S.	United Kingdom	Steel and Bars
1502 316 S 65	B.S.	United Kingdom	Steel and Bars
10269 X 6 CrNiMoB 17-12-2	EN	European Union	Steel
10269 1.4919	EN	European Union	Steel
10250-4 1.4401	EN	European Union	Steel and Forging

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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