GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10222-5 1.4910 (X3CrNiMoBN17-13-3)

Standard Specification for Martensitic, Austenitic and Austenitic-Ferritic Stainless Steels

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10222-5 1.4910 (X3CrNiMoBN17-13-3) Martensitic, Austenitic and Austenitic-Ferritic Stainless Steels

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

Grade Belongs to the Industry - Steel and Forging

Chemical Composition		
Carbon	C %	0.040 max.
Silicon	Si %	0.750 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	16.000 - 18.000
Molybdenum	Mo %	2.000 - 3.000
Nickel	Ni %	12.000 - 14.000
Nitrogen	N %	0.100 - 0.180
Boron	B %	0.0015 - 0.0050
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	550 - 750
Proof Strength in Mpa	300 min.
Elongation in %	45 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**
10269 X 3 CrNiMoBN 17-13-3	EN	European Union	Steel
10028-7 X 3 CrNiMoBN 17-13-3	EN	European Union	Steel
10028-7 1.4910	EN	European Union	Steel
10222-5 1.4910	EN	European Union	Steel
10028-7 X3CrNiMoN 17-13-3	DIN	Germany	Steel
17459 X 3 CrNiMoN 17 13	DIN	Germany	Steel and Tubing
17460 X 3 CrNiMoN 17 13	DIN	Germany	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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