GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10302 1.4983 (X6CrNiMoTiB17-13)

Standard Specification for Creep Resisting Steel, Nickel and Cobalt Alloys

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10302 1.4983 (X6CrNiMoTiB17-13) Creep Resisting Steel, Nickel and Cobalt Alloys

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 %	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 - 2.500
Nickel	Ni %	12.000 - 14.000
Titanium	Ti %	0.005 - 0.800
Boron	B %	0.0015 - 0.0060
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	530 - 730
Proof Strength in Mpa	205 min.
Elongation in %	-
Reduction of Area in %	35 min.
Hardness in HB	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 35-578 Z 6 CNDT 17-13 B	AFNOR NF	France	Steel
5632 10Ch17N13M2T	GOST	Russia	Steel
17459 1.4919	DIN	Germany	Steel
17460 1.4919	DIN	Germany	Steel
17459 X 6 CrNiMo 17 13	DIN	Germany	Steel and Tubing
17460 X 6 CrNiMo 17 13	DIN	Germany	Steel and Tubing
J 405 316	SAE	USA	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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