GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X2CrMoNbTi18-1 (4513-436-00-J)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X2CrMoNbTi18-1 (4513-436-00-J) Stainless Steels for General Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.025 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.030 max.
Chromium	Cr %	16.000 - 19.000
Molybdenum	Mo %	0.750 - 1.500
Nitrogen	N %	0.025 max.
Nb + Ti + Zr	b% + Ti% + Z	0.016 - 0.800
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	410 min.
Proof Strength in Mpa	245 min.
Elongation in %	20 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S43400	UNS	USA	Steel
A 240 S43400	ASTM	USA	Plate, Sheet and Strip
EN 10088-3 X6CrMo17-1	AFNOR NF	France	Steel
EN 10088-1 X6CrMo17-1	AFNOR NF	France	Steel
D 3702 STS 434	KS	Korea	Steel, Wire and Rods
D 3698 STS 434	KS	Korea	Plate, Sheet and Strip
G 4308 SUS 434	JIS	Japan	Steel, Wire and Rods

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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