GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X3CrNb17 (4511-430-71-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X3CrNb17 (4511-430-71-I) 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 %	0.050 max.
Silicon	Si %	1.000 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	16.000 - 18.000
Niobium	Nb %	0.012 - 1.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	420 min.
Proof Strength in Mpa	230 min.
Elongation in %	23 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**
EN 10088-1 X3CrNb17	AFNOR NF	France	Steel
EN 10088-2 X3CrNb17	DIN	Germany	Steel
EN 10088-1 X3CrNb17	DIN	Germany	Steel
EN 10088-1 1.4511	DIN	Germany	Steel
10088-1 X 3 CrNb 17	EN	European Union	Steel
10088-2 X 3 CrNb 17	EN	European Union	Steel
10088-1 1.4511	EN	European Union	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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