GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X6CrNi17-1 (4017-430-91-E)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X6CrNi17-1 (4017-430-91-E) 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 %	0.080 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
Nickel	Ni %	1.200 - 1.600
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	500 min.
Proof Strength in Mpa	330 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HBW	-
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
1554 430 S 11	B.S.	United Kingdom	Steel and Round Wire
1449-2 430 S 17	B.S.	United Kingdom	Plate, Sheet and Strip
EN 10088-2 X6CrNi17-1	DIN	Germany	Steel
36016-1 F.3113	UNE	Spain	Steel
36016-2 F.3113	UNE	Spain	Steel
EN 10088-2 X 6 CrNi 17-1	UNI	Italy	Steel and Casting
10088-1 X 6 CrNi 17 1	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.