GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS ISO 16143-1 X7CrNiAl17-7 (4568-177-00-I)

Standard Specification for Stainless Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS ISO 16143-1 X7CrNiAl17-7 (4568-177-00-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 %	0.090 max.
Silicon	Si %	0.700 max.
Manganese	Mn %	1.000 max.
Phosphorus	P %	0.040 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	16.000 - 18.000
Nickel	Ni %	6.500 - 7.800
Aluminium	Al %	0.700 - 1.500
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Precipitation Hardened

Mechanical Properties	
Tensile Strength in Mpa	1030 max.
Proof Strength in Mpa	-
Elongation in %	19 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**
6931-2 X 7 CrNiAl 177	ISO	International	Steel and Strip
EN 10088-3 X7CrNiAl17-7	AFNOR NF	France	Steel
EN 10088-1 X7CrNiAl17-7	AFNOR NF	France	Steel
EN 10088-3 X 7 CrNiAl 17 7	DIN	Germany	Steel
EN 10088-1 X 7 CrNiAl 17 7	DIN	Germany	Steel
10270-3 X 7 CrNiAl 17 7	EN	European Union	Steel and Wire
10088-2 X 7 CrNiAl 17 7	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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