GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-5 1.4568 (X7CrNiAI17-7)

Standard Specification for Bars, Rods, Wire, Sections and Bright Products of Corrosion Resisting Steels for Construction Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-5 1.4568 (X7CrNiAI17-7) Bars, Rods, Wire, Sections and Bright Products of Corrosion Resisting Steels for Construction Purposes

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

Grade Belongs to the Industry - Bars, Rods and Wire

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 Solution Annealing or precipitation Hardening

Mechanical Properties	
Tensile Strength in Mpa	850 max.
Proof Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HBW	255 max.
Impact in Joule	-

www.gravitycastindia.com

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
6931-2 X 7 CrNiAl 177	ISO	International	Steel and Strip
EN 10088-1 X7CrNiAl17-7	AFNOR NF	France	Steel
EN 10088-3 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
10088-2 X 7 CrNiAl 17 7	EN	European Union	Steel and Wire
10088-3 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

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.