GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10088-3 1.4477 (X2CrNiMoN29-7-2)

Standard Specification for Semi-Finished Products, Bars, Rods, Wire, Sections and Bright Products of Corrosion Resistant Steels for General Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10088-3 1.4477 (X2CrNiMoN29-7-2) Semi-Finished Products, Bars, Rods, Wire, Sections and Bright Products of Corrosion Resistant Steels for General 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 %	0.030 max.
Silicon	Si %	0.500 max.
Manganese	Mn %	0.800 - 1.500
Phosphorus	P %	0.030 max.
Sulphur	S %	0.015 max.
Chromium	Cr %	28.000 - 30.000
Nickel	Ni %	5.800 - 7.500
Molybdenum	Mo %	1.500 - 2.600
Nitrogen	N %	0.300 - 0.400
Copper	Cu %	0.800 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Quenching + Tempering

Mechanical Properties	
Tensile Strength in Mpa	800 - 1050
Proof Strength in Mpa	650 min.
Elongation in %	25 min.
Reduction of Area in %	-
Hardness in HBW	310 max.
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
S32906	UNS	USA	Steel
A 240 S32906	ASTM	USA	Plate, Sheet and Strip
A 789 S32906	ASTM	USA	Steel and Tubing
A 959 S32906	ASTM	USA	Steel
SA-182 F 65	ASME	USA	Steel and Pipe
SA-182 S32906	ASME	USA	Steel and Pipe
SA-240 S32906	ASME	USA	Plate, Sheet and Strip

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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