GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BS EN 10028-7 X6CrNi23-13 I 1.4950

Standard Specification for Flat Products Made of Steels for Pressure Purposes

Group - Ferrous Stainless Steel Alloys

Sub Group - BS EN 10028-7 X6CrNi23-13 I 1.4950 Flat Products Made of Steels for Pressure Purposes

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

Grade Belongs to the Industry - Steel

Chemical Composition		
Carbon	C %	0.040 - 0.080
Silicon	Si %	0.700 max.
Manganese	Mn %	2.000 max.
Phosphorus	P %	0.035 max.
Sulphur	S %	0.015 max.
Nitrogen	N %	0.100 max.
Chromium	Cr %	22.000 - 24.000
Nickel	Ni %	12.000 - 15.000
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Solution Annealing

Mechanical Properties	
Tensile Strength in Mpa	530 - 730
Proof Strength in Mpa	250 min.
Elongation in %	35 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	100 @ RT

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
A 213 TP309H	ASTM	USA	Steel and Tubing
A 943 TP309H	ASTM	USA	Steel and Pipe
A 336 Grade F309H	ASTM	USA	Steel and Forging
A 479 309H	ASTM	USA	Steel and Bars
A 312 TP309H	ASTM	USA	Steel and Pipe
A 249 TP309H	ASTM	USA	Steel and Tubing
J 405 309H	SAE	USA	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.