



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - UNI X 6 CrNi 23-14

**Standard Specification for Steel; Corrosion and Heat Resisting Stainless Steel Plate, Sheet, Strip and Coil**

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - UNI X 6 CrNi 23-14 Steel; Corrosion and Heat Resisting Stainless Steel Plate, Sheet, Strip and Coil**

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

**Grade Belongs to the Industry - Plate, Sheet, Strip and Coil**

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.045 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	22.000 - 24.000		
Nickel	Ni %	12.000 - 15.000		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	520 - 735
-	-	-	Yield Strength in Mpa	205 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	96 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SA-351 Grade CH8	ASME	USA	Casting
X 7 CrNi 23-14	DIN	Germany	Rolled and Forged Steel
X 12 CrNi 23-13	EN	European Union	Bar, Wire, Strip, Plat, Sheet and Forging
X 15 CrNi 24-13	AFNOR NF	France	Rolled Tubes for Pressure Service
SUS 309S	JIS	Japan	Wire, Rods for Wedding Material
309S	AISI	USA	Bar, Wire, Strip, Plat, Sheet and Forging
A351 CH8	ASTM	USA	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto: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.

**ONE STOP SOLUTION FOR METAL PARTS**