



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

## Material - ASTM A 943 TPXM-15

**Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet and Strip for Pressure Vessels and for General Applications**

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - ASTM A 943 TPXM-15 Chromium and Chromium-Nickel Stainless Steel for Pressure Vessels and for General Applications**

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

**Grade Belongs to the Industry - Steel and Pipe**

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Solution Annealing	
Silicon	Si %	1.500 - 2.500		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.030 max.		
Chromium	Cr %	17.000 - 19.000		
Nickel	Ni %	17.500 - 18.500		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa   515 min. Yield Strength in Mpa   205 min. Elongation in %   25 min. Reduction of Area in %   - Hardness in BHN   - Impact in Joule   -	
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-	-	-		
-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S38100	ASTM	USA	Steel, Plate, Sheet and Strip
S38100	UNS	USA	Steel
A167 XM-15	ASTM	USA	Steel, Sheet, Plate and Strip
A213 XM-15	ASTM	USA	Steel and Tube
A249 TPXM-15	ASTM	USA	Steel and Tube
A269 TPXM-15	ASTM	USA	Steel and Tube
A312 TPXM-15	ASTM	USA	Steel and Pipe

**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.

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