



## Material - ASTM A240 UNS S32906

**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 A240 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, Plate, Sheet and Strip**

Chemical Composition			Heat Treatment			
Carbon	C %	0.030 max.	Solution Annealing			
Silicon	Si %	0.500 max.				
Manganese	Mn %	0.800 - 1.500				
Phosphorus	P %	0.030 max.				
Sulphur	S %	0.030 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	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	800 min.		
-	-	-	Yield Strength in Mpa	650 min.		
-	-	-	Elongation in %	25 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	310 max.		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
S32906	UNS	USA	Steel
A789 S32906	ASTM	USA	Steel and Tube
A959 S32906	ASTM	USA	Steel
A182 F 65	ASTM	USA	Steel
A479 S32906	ASTM	USA	Steel
A789 S32906	ASTM	USA	Steel
A790 S32906	ASTM	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](mailto:marketing@gravitycastindia.com)**

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