



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM A 789 S32760

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 789 S32760 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 Tube

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	24.000 - 26.000		
Nickel	Ni %	6.000 - 8.00		
Molybdenum	Mo %	3.000 - 4.000	Mechanical Properties Tensile Strength in Mpa 750 min. Yield Strength in Mpa 550 min. Elongation in % 25 min. Reduction of Area in % - Hardness in HB 300 max. Impact in Joule -	
Nitrogen	N %	0.200 - 0.300		
Copper	Cu %	0.500 - 1.000		
Tungsten	W %	0.500 - 1.000		
Iron	Fe %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S32760	ASTM	USA	Steel, Plate, Sheet and Strip
S32760	UNS	USA	Steel
A276 S32760	ASTM	USA	Steel, Bar and Shapes
A790 S32760	ASTM	USA	Steel and Pipe
A815 S32760	ASTM	USA	Steel and Pipe
A959 S32760	ASTM	USA	Steel
A988 S32760	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

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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