

Material - ASTM A 789 S32304

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 S32304 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.		
Silicon	Si %	1.000 max.		
Manganese	Mn %	2.500 max.	Solution Annealing	
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	21.500 - 24.500		
Nickel	Ni %	3.000 - 5.500		
Molybdenum	Mo %	0.050 - 0.600		_
Nitrogen	N %	0.050 - 0.200	Mechanical Properties	
Copper	Cu %	0.050 - 0.600	Tensile Strength in Mpa	600 min.
Iron	Fe %	Balance	Yield Strength in Mpa	400 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	290 max.
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table					
Material	Standard	Country	Grade Belong to the Industry		
A240 UNS S32304	ASTM	USA	Steel, Plate, Sheet and Strip		
S32304	UNS	USA	Steel		
A276 S32304	ASTM	USA	Steel, Bar and Shapes		
A790 S32304	ASTM	USA	Steel and Tube		
A928 S32304	ASTM	USA	Steel and Pipe		
S32304	AS	Australia	Steel, Sheet, Plate and Strip		
SA-276 S32304	ASME	USA	Steel, Bar and Shapes		

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

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