

Material: ASTM A 959 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 A 959 S32906 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

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	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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A240 UNS S32906	ASTM	USA	Steel, Plate, Sheet and Strip
A789 S32906	ASTM	USA	Steel and Tube
S32906	UNS	USA	Steel
-	-	-	-
-	-	-	-
-	-	-	-
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