

# Material: ASTM A240 UNS S32950

## 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 %	0.600 max.		
Manganese	Mn %	2.000 max.		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.010 max.		
Chromium	Cr %	26.000 - 29.000		
Nickel	Ni %	3.500 - 5.200		
Molybdenum	Mo %	1.000 - 2.500		
Nitrogen	N %	0.150 - 0.350		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      690 min. Yield Strength in Mpa      485 min. Elongation in %      15 min. Reduction of Area in %      - Hardness in BHN      293 max. Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A995 3A	ASTM	USA	Casting
J93371	UNS	USA	Casting
A240 UNS 32900	ASTM	USA	Steel, Sheet, Plate and Strip
A890 3A	UNS	USA	Casting
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