

Material: ASTM A995 3A

Standard Specification for Castings, Austenitic-Ferritic (Duplex) Stainless Steel, for Pressure-Containing Parts

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A995 / A995M Castings, Austenitic-Ferritic (Duplex) Stainless Steel, for Pressure-Containing Parts

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.060 max.	Solution Annealing	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	24.000 - 27.000		
Nickel	Ni %	4.000 - 6.000		
Molybdenum	Mo %	1.750 - 2.500		
Nitrogen	N %	0.150 - 0.250		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 655 min. Yield Strength in Mpa 450 min. Elongation in % 25 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A890 3A	ASTM	USA	Casting
J93371	UNS	USA	Casting
25Cr5NiMoN	ASTM	USA	Casting
CD6MN	ASTM	USA	Casting
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