

Material: ASTM A995 CD3MN

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

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A995 / A995M 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 %	0.030 max.	Solution Annealing			
Silicon	Si %	1.000 max.				
Manganese	Mn %	1.500 max.				
Phosphorus	P %	0.040 max.				
Sulphur	S %	0.020 max.				
Chromium	Cr %	21.000 - 23.500				
Nickel	Ni %	4.500 - 6.500				
Molybdenum	Mo %	2.500 - 3.500				
Nitrogen	N %	0.100 - 0.300				
Copper	Cu %	1.000 max.				
Iron	Fe %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	620 min.		
-	-	-	Yield Strength in Mpa	415 min.		
-	-	-	Elongation in %	25 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in BHN	-		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A890 4A	ASTM	USA	Casting
J92205	UNS	USA	Casting
22Cr5NiMoN	ASTM	USA	Casting
4A	ASTM	USA	Casting
A995 J92205	ASTM	USA	Casting
1.447	EN	European Union	Casting
1.447	ONORM	Austria	Casting

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