

Material: ASTM A890 24Cr10NiMoN

Standard Specification for Castings, Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) for General Application

Group: Ferrous Stainless Steel Alloys

Sub Group: ASTM A890 / A890M Iron-Chromium-Nickel-Molybdenum Corrosion-Resistant, Duplex (Austenitic/Ferritic) for General Application

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	Solution Annealing	
Silicon	Si %	1.500 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	22.500 - 25.500		
Nickel	Ni %	8.000 - 11.000		
Molybdenum	Mo %	3.000 - 4.500		
Nitrogen	N %	0.100 - 0.300		
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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A995 2A	ASTM	USA	Casting
J93345	UNS	USA	Casting
SA-995 Grade 2A	ASME	USA	Casting
CE8MN	ASTM	USA	Casting
2A	ASTM	USA	Casting
H10B	AS	Australia	Casting
A351 Grade CE8MN	ASTM	USA	Casting

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