Material: ASTM A890 CE8MN

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		
Carbon	C %	0.080 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Solution Annealing

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
24Cr10NiMoN	ASTM	USA	Casting
2A	ASTM	USA	Casting
H10B	AS	Australia	Casting
A351 Grade CE8MN	ASTM	USA	Casting

Customer Care: *+91-99090 45075 Email: info@icastllp.com*