



## Material - ASTM A890 2A

**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		
-	-	-	<b>Mechanical Properties</b> 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
A995 2A	ASTM	USA	Casting
J93345	UNS	USA	Casting
SA-995 Grade 2A	ASME	USA	Casting
A890 CE8MN	ASTM	USA	Casting
A995 CE8MN	ASTM	USA	Casting
A995 J93345	ASTM	USA	Casting
A351 Grade CE8MN	ASTM	USA	Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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