

## Material: ASTM A743 CA 15M

### Standard Specification for Castings, Iron-Chromium-Nickel, Corrosion Resistant, for General Application

**Group:** Ferrous Stainless Steel Alloys

**Sub Group:** ASTM A743 / A743M Casting, Iron-Chromium-Nickel, corrosion Resistant Casting, for General Application

**Application:** Intended for Valves, Pumps, General Engineering, Automobile and Other Industries Grade

**Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	Annealing or Hardening + Tempering	
Silicon	Si %	0.650 max.		
Manganese	Mn %	1.000 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	11.500 - 14.000		
Nickel	Ni %	1.000 max.		
Molybdenum	Mo %	0.150 - 1.000		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa   620 min. Yield Strength in Mpa   450 min. Elongation in %   18 min. Reduction of Area in %   30 min. Hardness in HB   241 max. Impact in Joule   -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A487 CA 15M	ASTM	USA	Casting
SA-487 Grade CA 15M	ASME	USA	Casting
SA-487 Grade CA 15MA	ASME	USA	Casting
J91151	UNS	USA	Casting
410	SAE	USA	Bar, Wire, Shape and Forging
A 217 CA 15	ASTM	USA	Casting
A743 CA 15	ASTM	USA	Casting

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