

## Material: ASTM A743 CA6N

### 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 %	0.060 max.	Heating + Reheating + Aging	
Silicon	Si %	1.000 max.		
Manganese	Mn %	0.500 max.		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.020 max.		
Chromium	Cr %	10.500 - 12.500		
Nickel	Ni %	6.000 - 8.000		
Iron	Fe %	Balance		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	965 min.
-	-	-	Yield Strength in Mpa	930 min.
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	50 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J91650	UNS	USA	Casting
CA-6N	NBR	Brazil	Casting
CA-6N	NMX	Mexico	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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