

# Material: ASTM A743 CF16Fa

## 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 Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.160 max.	Solution Annealing	
Silicon	Si %	2.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.200 - 0.400		
Chromium	Cr %	18.000 - 21.000		
Nickel	Ni %	9.000 - 12.000		
Molybdenum	Mo %	0.400 - 0.800		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	485 min.
			Yield Strength in Mpa	205 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
3444 Grade 6A	IS	India	Casting
CF-16Fa	NBR	Brazil	Casting
CF-16Fa	NMX	Maxico	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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