

## Material: ASTM A351 CF10

### Standard Specification for Castings, Austenitic, for Pressure-Containing Parts

Group: *Ferrous Stainless Steel Alloys*

Sub Group: *ASTM A351 / 351M Castings, Austenitic, for Pressure-Containing Parts*

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

Belongs to the Industry: *Casting*

Chemical Composition			Heat Treatment	
Carbon	C %	0.040 - 0.100		
Silicon	Si %	2.000 max.		
Manganese	Mn %	1.500 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	18.000 - 21.000		
Nickel	Ni %	8.000 - 11.000		
Molybdenum	Mo %	0.500 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	485 min.
			Yield Strength in Mpa	205 min.
			Elongation in %	35 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A743 CF10	ASTM	USA	Casting
304	AISI	USA	Bar, Wire, Strip, Plate, Sheet and Forging
1.4308	DIN	Germany	Casting
1.4301	EN	European Union	Forging
304 S 11	BS	British	Bright Bars, Hot Rolled and Cold Rolled Coil
SUS 304	JIS	Japan	Hot Rolled Equal Leg Angles
08CH18N10	GOST	Russia	Pipes, Fittings, Bar, Sheet and Forging

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