

## Material-ASTMA148Grade 105-85

### Standard Specification for Steel Castings, High Strength, for Structural Purposes

Group-Ferrous Mild Steel Alloys

Sub Group - ASTM A148 / A148M Steel Castings, High Strength for Structural Purposes Application

- Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Sulphur	S %	0.060 Max.	Normalising or Annealing or Hardening + Tempering	
Phosphorus	P%	0.050 max.		
Iron	Fe%	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Cross Reference Table			Mechanical Properties	
			Tensile Strength in Mpa	725 min.
			Yield Strength in Mpa	585 min.
			Elongation in %	17 min.
			Reduction of Area in %	35 min.
			Hardness in BHN	-
			Impact in Joule	-

Material	Standard	Country	Grade Belong to the Industry
D50850	UNS	USA	Casting
A148 Grade 80-50	ASTM	USA	Casting
A148 Grade 90-60	ASTM	USA	Casting
A148 Grade 160-145	ASTM	USA	Casting
A148 Grade 115-95	ASTM	USA	Casting
A148 Grade 130-115	ASTM	USA	Casting
Grade 135-125	ASTM	USA	Casting

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