

Material: ASTM A148 Grade 135-125

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		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
Tensile Strength in Mpa			930 min.	
Yield Strength in Mpa			860 min.	
Elongation in %			9 min.	
Reduction of Area in %			22 min.	
Hardness in BHN			-	
Impact in Joule			-	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
D51250	UNS	USA	Casting
A148 Grade 80-50	ASTM	USA	Casting
A148 Grade 90-60	ASTM	USA	Casting
A148 Grade 105-85	ASTM	USA	Casting
A148 Grade 115-95	ASTM	USA	Casting
A148 Grade 130-115	ASTM	USA	Casting
A148 Grade 80-40	ASTM	USA	Casting