

Material: ASTM A148 Grade 80-50

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	550 min.
			Yield Strength in Mpa	345 min.
			Elongation in %	22 min.
			Reduction of Area in %	35 min.
			Hardness in BHN	-
			Impact in Joule	-
Cross Reference Table			Grade Belong to the Industry	
Material	Standard	Country		
D50500	UNS	USA	Casting	
A148 Grade 150-135	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	
Grade 135-125	ASTM	USA	Casting	

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