Material: ASTM A148 Grade 80-40

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		
Sulphur	S %	0.060 Max.
Phosphorus	P %	0.050 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalising or Annealing or Hardening + Tempering

Mechanical Properties	
Tensile Strength in Mpa	550 min.
Yield Strength in Mpa	275 min.
Elongation in %	18 min.
Reduction of Area in %	30 min.
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
D50400	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
Grade 135-125	ASTM	USA	Casting

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