

Material - ASTM A148 Grade 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		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			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	-

Cross Reference Table			
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

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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