

Material - ASTM A148 Grade 165-150L

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 %	0.020 max.	Normalising or Annealing or Hardening + Tempering	
Phosphorus	P %	0.020 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	1140 min.
-	-	-	Yield Strength in Mpa	1035 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	20 min.
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	27 @ RT

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
D51501	UNS	USA	Casting
A148 Grade 165-150	ASTM	USA	Casting
A148 Grade 210-180	ASTM	USA	Casting
A148 Grade 210-180L	ASTM	USA	Casting
A148 Grade 260-210	ASTM	USA	Casting
A148 Grade 260-210L	ASTM	USA	Casting
D51800	UNS	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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