



## 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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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