



## Material - UNS D51250

### Standard Specification for Alloy Steel Casting

Group - Ferrous Mild Steel Alloys

Sub Group - UNS D51250 Alloy steel casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Phosphorus	P %	0.050 max.	Annealing or Normalising or Hardening + Tempering	
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	-
			Yield Strength in Mpa	862 min.
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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
A148 Grade 80-40	ASTM	USA	Casting
A148 Grade 135-125	ASTM	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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