

# Material: UNS D52100

## Standard Specification for Alloy Steel Casting

**Group:** Ferrous Mild Steel Alloys

**Sub Group:** UNS D52100 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 %	0.020 max.	Annealing or Normalizing or Hardening + Tempering	
Sulphur	S %	0.020 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	-
			Yield Strength in Mpa	1448 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 165-150L	ASTM	USA	Casting
A148 Grade 210-180	ASTM	USA	Casting
A148 Grade 210-180L	ASTM	USA	Casting
A148 Grade 165-150	ASTM	USA	Casting
A148 Grade 260-210L	ASTM	USA	Casting
A148 Grade 260-210	ASTM	USA	Casting
-	-	-	-

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