

Material: ASTM A 1040 1015

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: ASTM A 1040 1015 Steel Castings for General Engineering Purposes

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

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.130 - 0.180	As Cast or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.035 max.		
Copper	Cu %	0.200 max.		
Boron	B %	0.0005 - 0.0030		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 310 - 655 Yield Strength in Mpa 190 min. Elongation in % 5 min. Reduction of Area in % 40 - 50 Hardness in BHN 241 max. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AW1	BS	British	Casting
1015	SAE	USA	Casting
1015	AISI	USA	Casting
A 108 Grade 1015	ASTM	USA	Casting
A 29 1015	ASTM	USA	Casting
A 510 1015	ASTM	USA	Casting
A 512 Grade 1015	ASTM	USA	Casting

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