



Material - AISI 1015

Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - AISI 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.		
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		-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AW1	BS	British	Casting
1015	SAE	USA	Casting
A 1040 1015	ASTM	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

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

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