



Material - UNS J15048

Standard Specification for Alloy Steel Casting

Group - Ferrous Mild Steel Alloys

Sub Group - UNS J15048 Alloy Steel Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.450 - 0.550	Annealing or Normalising or Hardening + Tempering	
Silicon	Si %	0.200 - 0.800		
Manganese	Mn %	0.650 - 0.920		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	0.800 - 1.1000		
Nickel	Ni %	0.500 max.		
Vanadium	V %	0.150 min.		
Tungsten	W %	0.100 max.		
Copper	Cu %	0.500 max.		
Mo + W	Mo% + W%	0.100 max.	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	1310 min.
-	-	-	Yield Strength in Mpa	1172 min.
-	-	-	Elongation in %	4 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
6150.0000	AISI	USA	Forging, Bar, Wire, and Shape
6150	SAE	USA	Bar, Tube, Sheet, Strip and Forging
6150	AMS	USA	Bar and Forging
A732 12Q	AISI	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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