



Material - ASTM A732 2A

Standard Specification for Castings, Investment, Carbon and Low Alloy Steel for General Application, and Cobalt Alloy for High Strength at Elevated Temperatures

Group - Ferrous Mild Steel Alloys

Sub Group - ASTM A732 / A732M Casting, Investment, Carbon and Low Alloy Steel for General Application

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Carbon	C %	0.250 - 0.350	Annealing or Normalising or Hardening + Tempering	
Silicon	Si %	0.200 - 1.000		
Manganese	Mn %	0.700 - 1.000		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	0.350 max.		
Nickel	Ni %	0.500 max.		
Copper	Cu %	0.500 max.		
Other	Ot %	1.000 max.		
Tungsten	W %	0.100 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 448 min. Yield Strength in Mpa 310 min. Elongation in % 25 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1030	AISI	USA	Forging, Bar, Wire, and Shape
J03011	UNS	USA	Casting
1.1811	WN	Germany	Casting
161-480	BS	British	Casting
1.5408	EN	European Union	Rod, Bars, Wire and Extrusion
SCPL1	JIS	Japan	Casting
A732 2Q	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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