

Material - ASTM A732 3Q

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 / A7323M 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 %	0.350 - 0.450	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.	Mechanical Properties Tensile Strength in Mpa 689 min. Yield Strength in Mpa 621 min. Elongation in % 10 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Tungsten	W %	0.100 max.		
Other	Ot %	1.000 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1040	AISI	USA	Forging, Bar, Wire, and Shape
J04002	UNS	USA	Casting
1.119	WN	Germany	Steel
A3	BS	British	Casting
42 CD 4 M	AFNOR NF	France	Casting
A732 1Q	ASTM	USA	Casting
A732 3A	ASTM	USA	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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