

Material - ASTM A732 6N

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 max.	Annealing or Normalising or Hardening + Tempering	
Silicon	Si %	0.200 - 0.800		
Manganese	Mn %	1.350 - 1.750		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	0.350 max.		
Nickel	Ni %	0.500 max.		
Molybdenum	Mo %	0.250 - 0.550	Mechanical Properties Tensile Strength in Mpa 621 min. Yield Strength in Mpa 414 min. Elongation in % 20 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Copper	Cu %	0.500 max.		
Tungsten	W %	0.250 max.		
other	Ot %	1.000 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
4020	AISI	USA	Forging, Bar, Wire, and Shape
1.8830	EN	European Union	Steel
1.8866	WN	Germany	Steel
C 450 LO	AS	Australia	Steel
P355Q	AFNOR NF	France	Steel
P 355 QH	UNI	Italy	Steel
C450AS	AS	Australia	Steel

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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