

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 Normalizing 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		
Copper	Cu %	0.500 max.		
Tungsten	W %	0.250 max.		
other	Ot %	1.000 max.	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 -	
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

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Customer Care: +91-99090 45075 Email: info@icastllp.com