

Material: ASTM A732 4Q

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		
Carbon	C %	0.450 - 0.550
Silicon	Si %	0.200 - 1.000
Manganese	Mn %	0.700 - 1.000
Phosphorus	P %	0.040 max.
Sulphur	S %	0.045 max.
Copper	Cu %	0.500 max.
Tungsten	W %	0.100 max.
Other	Ot %	0.600 max.
Iron	Fe %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
Annealing or Normalizing or Hardening + Tempering	

Mechanical Properties	
Tensile Strength in Mpa	862 min.
Yield Strength in Mpa	689 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
1050	AISI	USA	Forging, Bar, Wire, and Shape
1606	SS	Sweden	Casting
50 CD 4 M	AFNOR NF	France	Casting
5152	SAE	USA	Steel
735 A51	BS	British	Hot Formed Spring
C3	MSZ	Hungary	Steel
C48GW-N-A	JIS	Japan	Forging

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