

Material: ASTM A732 7Q

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 %	0.250 - 0.350	Annealing or Normalizing or Hardening + Tempering	
Silicon	Si %	0.200 - 0.800		
Manganese	Mn %	0.400 - 0.700		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.045 max.		
Chromium	Cr %	0.800 - 1.100		
Copper	Cu %	0.500 max.		
Molybdenum	Mo %	0.150 - 0.250		
Tungsten	W %	0.100 max.		
Other	Ot %	0.600 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 1030 min. Yield Strength in Mpa 793 min. Elongation in % 7 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
4130	AISI	USA	Forging, Bar, Wire, and Shape
J13045	UNS	USA	Forging, Bar, Wire, and Shape
4130	SAE	USA	Bar, Tube, Sheet, Strip and Forging
A579 G13	ASTM	USA	Forging
J13048	UNS	USA	Casting
K 13247	UNS	USA	Steel
4130	AMS	USA	Bar and Forging

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