



## 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 Normalising 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	<b>Mechanical Properties</b> 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      -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.