



**GRAVITY CAST PVT. LTD.**  
GRAVITY GROUP OF COMPANIES

## Material - AMS 1030

**Standard Specification for Steel Castings, Carbon and Alloy Chemical Requirements Similar to Standard Wrought Grades**

**Group - Ferrous Mild Steel Alloys**

**Sub Group - AMS 1030 Steel Castings, Carbon and Alloy Chemical Requirements Similar to Standard Wrought Grades**

**Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries**

**Grade Belongs to the Industry - Bar, Wire, Tube and Forging**

Chemical Composition			Heat Treatment	
Carbon	C %	0.280 - 0.340	As- Cast or Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.080 - 0.600		
Manganese	Mn %	0.600 - 0.900		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
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-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      470 min. Yield Strength in Mpa      260 min. Elongation in %      12 min. Reduction of Area in %      35 - 42 Hardness in HB      137 - 149 Impact in Joule      75 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J03012	UNS	USA	Casting
1025	AISI	USA	Bar, Wire, Tube and Forging
1030	SAE	USA	Bar, Wire, Tube and Forging
1030	AMS	USA	Bar, Wire, Tube and Forging
A915 Grade SC 1030	ASTM	USA	Casting
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**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.

**ONE STOP SOLUTION FOR METAL PARTS**