



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

## Material - AMS 4150

**Standard Specification for Hot and Cold-Finished Carbon and Alloy Steel Bars**

**Group - Ferrous Mild Steel Alloys**

**Sub Group - AMS 4150 Hot and Cold-Finished Carbon and Alloy Steel Bars**

**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 %	0.480 - 0.530	As- Cast or Normalising or Annealing or Hardening + Tempering	
Silicon	Si %	0.150 - 0.350		
Manganese	Mn %	0.750 - 1.000		
Phosphorus	P %	0.035 max.		
Sulphur	S %	0.040 max.		
Chromium	Cr %	0.800 - 1.100		
Molybdenum	Mo %	0.150 - 0.250		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	-
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A915 Grade SC 4130	ASTM	USA	Casting
4130	AISI	USA	Bar, Wire, Tube and Forging
J13502	UNS	USA	Bar, Wire, Tube and Forging
4150	SAE	USA	Bar, Wire, Tube and Forging
4150	AS	Australia	Bar, Wire, Tube and Forging
A 29 4130	ASTM	USA	Bar, Wire, Tube and Forging
A 505 4130	ASTM	USA	Sheet and Strip

**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**