



## Material - AISI 1566

**Standard Specification For Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar**

**Group - Ferrous Mild Steel Alloys**

**Sub Group - AISI 1566 Carbon Steel Compositions For Forging To Hot-Rolled And Cold-Finished Steel and Bar**

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

**Grade Belongs to the Industry - Steel and Bar**

Chemical Composition			Heat Treatment	
Carbon	C %	0.600 - 0.710	As Raw or Annealing or Normalizing or Hardening and Tempering	
Manganese	Mn %	0.850 - 0.710		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.050 max.		
Boron	B %	0.0005 - 0.003		
Aluminium	Al %	0.020 max.		
Copper	Cu %	0.200 max.		
Niobium	Nb %	0.015 max.		
Silicon	Si %	0.100 max.		
Vanadium	V %	0.020 max.		
Iron	Fe %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      1960 - 2240 Yield Strength in Mpa      - Elongation in %      - 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
G15660	UNS	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
1566	SAE	USA	Bars, Wire Rods, Plates, Strip, Sheets and Tubing
A 29 1566	ASTM	USA	Steel and Bar
A 510 1566	ASTM	USA	Wire Rod, Round Wire and Steel
A 576 15L66	ASTM	USA	Steel and Bar
A 713 Grade 1566	ASTM	USA	Steel and Wire
A 713 G15660	ASTM	USA	Steel and Wire

**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)**

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