



## Material - BS 3100 Grade A6

### Standard Specification for Steel Castings for General Engineering Purposes

Group - Ferrous Mild Steel Alloys

Sub Group - BS 3100 Grade A6 Steel Castings for General Engineering Purposes

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 - 0.330	As Cast or Annealing or Normalizing or Hardening and Tempering	
Silicon	Si %	0.600 max.		
Manganese	Mn %	1.200 - 1.600		
Phosphorus	P %	0.050 max.		
Sulphur	S %	0.050 max.		
Iron	Fe %	Balance		
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-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      690 - 850 Yield Strength in Mpa      495 min. Elongation in %      13 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      25 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A5	BS	British	Casting
2074/L1B	AS	Australia	Casting
2708 Grade 2	IS	India	Casting
2708 Grade 3	IS	India	Casting
1527	SAE	USA	Casting
1527	AISI	USA	Bar
A 830 1527	ASTM	USA	Casting

**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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