



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

## Material - ASTM B124 UNS C61900

**Standard Specification for Copper and Copper Alloy Forging Rod, Bar and Shapes**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - ASTM B124 Copper and Copper Alloy Forging Rod, Bar and Shapes**

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

**Grade Belongs to the Industry - Rod, Bar and Shape**

Chemical Composition			Heat Treatment	
Lead	Pb %	0.020 max.	Normalizing or Annealing or Tempering	
Tin	Sn %	0.600 max.		
Iron	Fe %	3.000 - 4.500		
Aluminium	Al %	8.500 - 10.000		
Zinc	Zn %	0.800 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      344 min. 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
B150 C61900	ASTM	USA	Rod, Bar and Shape
B283 C61900	ASTM	USA	Forging
SB-150 C61900	ASME	USA	Forging
SB-283 C61900	ASME	USA	Forging
C61900	UNS	USA	Rod, Bar and Shapes
C 6191 BD	JIS	Japan	Rod and Bar
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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.

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