GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B283 C61900

Standard Specification for Copper and Copper-Alloy Die Forgings

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B283 Copper and Copper-Alloy Die Forgings

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

Grade Belongs to the Industry - Forging

Chemical Composition		
Aluminium	Al %	8.500 - 10.000
Iron	Fe %	3.000 - 4.500
Lead	Pb %	0.020 max.
Tin	Sn %	0.600 max.
Zinc	Zn %	0.800 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Drawn or Stress Relieving or Hot Rolled

Mechanical Properties	
Tensile Strength in Mpa	565 min.
Yield Strength in Mpa	255 min.
Elongation in %	32 min.
Reduction of Area in %	-
Hardness in HB	82 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C61900	UNS	USA	Rod, Bar, Tube and Shapes
B124 C61900	ASTM	USA	Rod, Bar and Shapes
B150 C61900	ASTM	USA	Rod, Bar and Shapes
SB-150 C61900	ASME	USA	Rod, Bar and Shapes
SB-283 C61900	ASME	USA	Forging
-	-	-	-
-	-	-	-

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com