GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B283 C62300

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 %	2.000 - 4.000
Manganese	Mn %	0.500 max.
Ni + Co	Ni% + Co%	1.000 max.
Silicon	Si %	0.250 max.
Tin	Sn %	0.600 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Normalizing or Annealing or Tempering

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

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B124 C62300	ASTM	USA	Rod, Bar and Shapes
B150 C62300	ASTM	USA	Rod, Bar and Shape
SB-150 C62300	ASME	USA	Rod, Bar and Shape
SB-283 C62300	ASME	USA	Forging
C62300	UNS	USA	Rod, Bar and Shape
C62300	AS	Australia	Ingot and Casting
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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