GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ASTM B505 High-Strength Yellow Brass UNS C86300

Standard Specification for Copper Alloy Continuous Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B505 / 505M Copper Alloys for Continuous Casting

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

Grade Belongs to the Industry - Rod, Bar, Tube and Shapes

Chemical Composition		
Tin	Sn %	0.200 max.
Lead	Pb %	0.200 max.
Zinc	Zn %	22.000 - 28.000
Ni + Cu	Ni% + Cu%	1.000 max.
Iron	Fe %	2.000 - 4.000
Aluminium	Al %	5.000 - 7.500
Manganese	Mn %	2.500 - 5.000
Copper	Cu %	60.000 - 66.000
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	758 min.
Yield Strength in Mpa	427 min.
Elongation in %	14 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B271 C86300	ASTM	USA	Casting
B30 C86300	ASTM	USA	Ingot and Casting
CA863	SAE	USA	Casting
SAE 430B	SAE	USA	Casting
SB-505 C86300	ASME	USA	Casting
SB-584 C86300	ASME	USA	Casting
C86300	AS	Australia	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