



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

## Material - ANSI/AA 332.0

**Standard Specification for Aluminium and Aluminium Alloy - Ingot and Casting**

**Group - Non-Ferrous Aluminium Alloy**

**Sub Group - ANSI/AA Aluminium and Aluminium Alloy - Ingot and Casting**

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

**Grade Belongs to the Industry - Ingot and Casting**

Chemical Composition			Heat Treatment	
Copper	Cu %	2.000 - 4.000	As-Cast	
Iron	Fe %	1.200 max.		
Magnesium	Mg %	0.500 - 1.500		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Silicon	Si %	8.500 -10.500		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	1.000 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	215 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	90 - 120
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AA305	AS	Australia	Ingot and Casting
305	AS	Australia	Ingot and Casting
AC8B	JIS	Japan	Casting
LM26	BS	British	Ingot and Casting
AC8C	JIS	Japan	Casting
AC8C	KS	Korea	Casting
A03320	UNS	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)**

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.

**ONE STOP SOLUTION FOR METAL PARTS**