



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - JIS H 5202 AC8C

Standard Specification for Aluminium Alloys for Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - JIS H 5202 Aluminium Alloys for Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	2.000 - 4.000	As-Cast	
Iron	Fe %	1.000 max.		
Magnesium	Mg %	0.500 - 1.500		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Lead	Pb %	0.100 max.		
Silicon	Si %	8.500 -10.500		
Tin	Sn %	0.100 max.		
Titanium	Ti %	0.200 max.		
Chromium	Cr %	0.100 max.		
Zinc	Zn %	0.500 max.	Mechanical Properties Tensile Strength in Mpa 170 - 270 Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB 85 - 110 Impact in Joule -	
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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
332.0	AA	USA	Ingot and Casting
LM26	BS	British	Ingot and 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

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