



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN EN 1706 AC-45400

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group - Non-Ferrous Aluminium Alloy

Sub Group - DIN EN 1706 Aluminium and Aluminium Alloys - Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	2.600 - 3.600	As-Cast	
Iron	Fe %	0.600 max.		
Magnesium	Mg %	0.050 max.		
Manganese	Mn %	0.550 max.		
Nickel	Ni %	0.100 max.		
Silicon	Si %	4.500 - 6.000		
Lead	Pb %	0.100 max.		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.200 max.		
Other	Ot%	0.150 max.	Mechanical Properties	
Aluminium	Al %	Balance	Tensile Strength in Mpa	230 min.
-	-	-	Yield Strength in Mpa	110 min.
-	-	-	Elongation in %	6 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	75 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
4223	IS	India	Ingot and Casting
Al Si5Cu3	ISO	International	Casting
LM22	BS	British	Ingot and Casting
EN AC-Al Si5Cu3	CSN	International	Casting
EN AC-45400	SFS	Finland	Casting
EN AC-45400	ONORM	Australia	Casting
EN AC-45400	MSZ	Hungary	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