



## Material - DIN EN 1706 AC- 51400

### Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Aluminium Alloy

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

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	0.050 max.	As-Cast	
Iron	Fe %	0.550 max.		
Magnesium	Mg %	4.500 - 6.500		
Manganese	Mn %	0.450 max.		
Silicon	Si %	1.500 max.		
Titanium	Ti %	0.200 max.		
Beryllium	Be %	0.005 max.		
Zinc	Zn %	0.100 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      160 - 180 Yield Strength in Mpa      100 - 110 Elongation in %      3 min. Reduction of Area in %      - Hardness in HB      60 - 65 Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Mg5(Si)	ISO	International	Casting
EN AC-51400	BS	British	Casting
EN AC-51400	ASME	USA	Casting
EN AC-51400	AFNOR NF	France	Casting
EN AC-51400	UNE	Spain	Casting
EN AC-51400	UNI	Italy	Casting
EN AC-51400	SFS	Finland	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)**

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