

Material: DIN EN 1706 AC-45300

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 %	1.000 - 1.500	As-Cast	
Iron	Fe %	0.650 max.		
Magnesium	Mg %	0.350 - 0.650		
Manganese	Mn %	0.550 max.		
Nickel	Ni %	0.250 max.		
Silicon	Si %	4.500 - 5.500		
Lead	Pb %	0.150 max.		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.150 max.		
Other	Ot%	0.150 max.	Mechanical Properties Tensile Strength in Mpa 170 - 280 Yield Strength in Mpa 120 - 210 Elongation in % 1 - 3 Reduction of Area in % - Hardness in HB 80 - 110 Impact in Joule -	
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM16	BS	British	Ingot and Casting
EN AC-45300	ASME	USA	Casting
EN AC-45300	UNI	Italy	Casting
EN AC-45300	SFS	Finland	Casting
EN AC-45300	AFNOR NF	France	Casting
EN AC-45300	CSN	Czech Republic	Casting
EN AC-45300	BDS	Bulgaria	Casting

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Customer Care: +91-99090 45075 Email: info@icastllp.com