GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 733 19500

Standard Specification for Wrought Aluminium and Aluminium Alloy Bars, Rods and Sections

Group - Non-Ferrous Aluminium Alloy
Sub Group - IS 733 19500 Wrought Aluminium and Aluminium Alloy Bars, Rods and Sections
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Bars and Rods

Chemical Composition		
Copper	Cu %	0.050 max.
Silicon	Si %	0.300 max.
Iron	Fe %	0.400 max.
Manganese	Mn %	0.050 max.
Ti + V	Ti% + V%	0.070 max.
Other	Ot %	0.500 max.
Aluminium	Al %	99.500 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	65 min.
Proof Stress in Mpa	18 min.
Elongation in %	23 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 23 1950	IS	India	Ingots
IS 734 19500	IS	India	Forging
IS 1285 19500	IS	India	Casting
IS 737 19500	IS	India	Sheet and Strip
IS 736 19000	IS	India	Sheet and Plate
IS 5082 19501	IS	India	Bars, Rods, Tubing, Plate and Sheet
B 209 1230	ASTM	USA	Sheet and Plate

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.