GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 733 63400

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

Group - Non-Ferrous Aluminium Alloy
Sub Group - IS 733 63400 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 %	0.100 max.
Magnesium	Mg %	0.400 - 0.900
Silicon	Si %	0.300 - 0.700
Iron	Fe %	0.600 max.
Manganese	Mn %	0.300 max.
Zinc	Zn %	0.200 max.
Titanium	Ti %	0.200 max.
Chromium	Cr %	0.100 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Natural Aging or Solution Treated

Mechanical Properties	
Tensile Strength in Mpa	110 min.
Proof Stress in Mpa	-
Elongation in %	13 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 734 63400	IS	India	Forging
IS 1285 63400	IS	India	Tubing
SB-221 6063	ASME	USA	Bars, Rods and Wire
B 210 6063	ASTM	USA	Tubing
B 221 6063	ASTM	USA	Bars, Rods and Wire
B 483 6063	ASTM	USA	Pipe and Tubing
B 491 6063	ASTM	USA	Tubing

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.