GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 733 53000

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

Group - Non-Ferrous Aluminium Alloy
Sub Group - IS 733 53000 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 %	2.800 - 4.000
Silicon	Si %	0.600 max.
Iron	Fe %	0.500 max.
Manganese	Mn %	0.500 max.
Zinc	Zn %	0.200 max.
Titanium	Ti %	0.200 max.
Chromium	Cr %	0.250 max.
Cr + Mn	Cr% + Mn%	0.500 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	215 min.
Proof Stress in Mpa	100 min.
Elongation in %	14 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 737 53000	IS	India	Steel and Strip
IS 734 53000	IS	India	Forging
IS 1285 53000	IS	India	Tubing
3522 Al-Mg3	ISO	International	Casting
1725 3.3541.01	DIN	Germany	Casting
1725 3.3541.02	DIN	Germany	Casting
1725 3.3541.09	DIN	Germany	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

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