GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 734 52000

Standard Specification for Wrought Aluminium and Aluminium Alloy Forging Stock and Forgings

Group - Non-Ferrous Aluminium Alloy
Sub Group - IS 734 52000 Wrought Aluminium and Aluminium Alloy Forging Stock and Forgings
Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries
Grade Belongs to the Industry - Forging

Chemical Composition		
Copper	Cu %	0.100 max.
Magnesium	Mg %	1.700 - 2.600
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

Mechanical Properties	
Tensile Strength in Mpa	170 min.
Proof Stress in Mpa	-
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 52000	IS	India	Steel and Strip
IS 733 52000	IS	India	Bars and Rods
IS 1285 52000	IS	India	Tubing
IS 736 52000	IS	India	Plate
IS 739 52000	IS	India	Wire
IS 738 52000	IS	India	Tubing
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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.