GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 733 24345

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

Group - Non-Ferrous Aluminium Alloy
Sub Group - IS 733 24345 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 %	3.800 - 5.000
Magnesium	Mg %	0.200 - 0.800
Silicon	Si %	0.500 - 1.200
Iron	Fe %	0.700 max.
Manganese	Mn %	0.300 - 1.200
Zinc	Zn %	0.200 max.
Titanium	Ti %	0.300 max.
Chromium	Cr %	0.300 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

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

Mechanical Properties	
Tensile Strength in Mpa	150 min.
Proof Stress in Mpa	90 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 737 24345	IS	India	Steel and Strip
SB-209 2014	ASME	USA	Sheet and Plate
SB-210 2014	ASME	USA	Tubing
IS 734 24345	IS	India	Forging
B 211 2014	ASTM	USA	Bars, Rods and Wire
B 210 2014	ASTM	USA	Tubing
B 209 2014	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

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