GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 733 19000

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

Group - Non-Ferrous Aluminium Alloy
Sub Group - IS 733 19000 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.
Silicon	Si %	0.500 max.
Iron	Fe %	0.600 max.
Manganese	Mn %	0.100 max.
Ti + V	Ti% + V%	0.070 max.
Other	Ot %	1.000 max.
Aluminium	Al %	99.000 min.
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	65 min.
Proof Stress in Mpa	20 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 23 1900	IS	India	Ingots
IS 734 19000	IS	India	Forging
IS 1285 19000	IS	India	Tubing
IS 737 19000	IS	India	Sheet and Strip
IS 736 19000	IS	India	Sheet and Plate
IS 740 19000	IS	India	Sheet, Plate, Tubing, Wire and Forging
B 209 1100	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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