GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 733 46000

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

Group - Non-Ferrous Aluminium Alloy
Sub Group - IS 733 46000 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 %	0.200 max.
Silicon	Si %	10.000 - 13.000
Iron	Fe %	0.600 max.
Manganese	Mn %	0.500 max.
Zinc	Zn %	0.200 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing

Mechanical Properties	
Tensile Strength in Mpa	100 min.
Proof Stress in Mpa	-
Elongation in %	10 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 202 4600	IS	India	Ingot and Casting
3522 Al-Si12	ISO	International	Casting
H 5302 Al Si12Fe	JIS	Japan	Casting
1725 3.2541.01	DIN	Germany	Casting
1725 3.2581.44	DIN	Germany	Casting
1725 3.2581.02	DIN	Germany	Casting
1725 3.2581.45	DIN	Gemany	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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