GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 734 24534

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

Group - Non-Ferrous Aluminium Alloy
Sub Group - IS 734 24534 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 %	3.500 - 4.700
Magnesium	Mg %	0.400 - 1.200
Silicon	Si %	0.200 - 0.700
Iron	Fe %	0.700 max.
Manganese	Mn %	0.400 - 1.000
Zinc	Zn %	0.200 max.
Titanium	Ti %	0.300 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw

Mechanical Properties	
Tensile Strength in Mpa	375 min.
Proof Stress in Mpa	220 min.
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 733 24534	IS	India	Bars and Rods
EN 573-3 2017A	DIN	Germany	Plate, Sheet, Strip, Tubing, Bars & Rods, Profile and Forging
EN 573-3 Al Cu4MgSi	DIN	Germany	Plate, Sheet, Strip, Tubing, Bars & Rods, Profile and Forging
573-3 2017A	EN	European Union	Plate, Sheet, Strip, Tubing, Bars & Rods, Profile and Forging
573-3 Al Cu4MgSi	EN	European Union	Plate, Sheet, Strip, Tubing, Bars & Rods, Profile and Forging
EN 573-3 2017A	BS	British	Plate, Sheet, Strip, Tubing, Bars & Rods, Profile and Forging
EN 573-3 2017A	BS	British	Plate, Sheet, Strip, Tubing, Bars & Rods, Profile and Forging

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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