vedanta
transforming for good

HINDUSTAN ZINC
Zinc & Silver of India



VEDAyush

— Advanced protection. Enduring performance. —

PRODUCT OVERVIEW

VedAyush is a precision-engineered Zinc–Aluminium–Magnesium (Zn-Al-Mg) alloy developed by Hindustan Zinc to enhance the performance and lifespan of galvanized steel in the most demanding environments.

The unique addition of magnesium enhances corrosion resistance, coating adhesion and surface stability, making it an ideal choice for applications exposed to high humidity, coastal conditions, industrial emissions and mechanical stress.

VedAyush is manufactured using stringent quality control and advanced process technology to deliver consistent chemistry, superior bath stability and optimum coating performance.

KEY BENEFITS

Enhanced Corrosion Resistance
Magnesium fortifies the coating, offering superior protection in high-corrosion environments.

Better Coating Adhesion
Improves bonding between zinc and steel for long-term durability and reduced flaking.

Improved Surface Quality
Delivers smooth, bright and uniform coatings with excellent aesthetics.

Stable Galvanizing Process
Ensures consistent bath performance with reduced dross and enhanced productivity.

Extended Service Life
Ideal for applications requiring extended life and low maintenance.

VedAyush supports the creation of longer-lasting, sustainable infrastructure by delivering performance you can trust and protection that endures.

CHEMICAL SPECIFICATIONS

Element	Guaranteed Content	Tolerance
Aluminum (Al)	1% to 5%*	± 0.2%
Magnesium (Mg)	0.5% to 5%*	± 0.2%
Iron (Fe)	0.08% Max	–
Silicon (Si)	0.05% Max	–
Lead (Pb)	0.01% Max	–
Cadmium (Cd)	0.007% Max	–
Copper (Cu)	0.007% Max	–
Tin (Sn)	0.007% Max	–

(*) As per Customer requirement

APPLICATIONS

Construction & Infrastructure
ROOFING | CLADDING | STRUCTURAL SECTIONS

Automotive
BODY PANELS | CHASSIS COMPONENTS

Appliances
WASHING MACHINES | REFRIGERATORS | HVAC SYSTEMS

Power & Transmission
TOWERS | POLES | CABLE TRAYS

Industrial Applications
PIPES | DUCTS | STORAGE SYSTEMS

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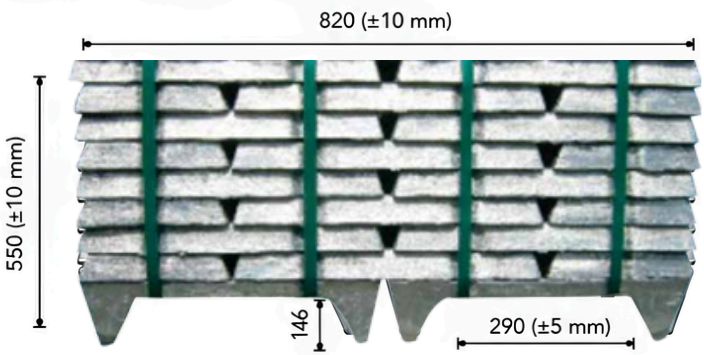
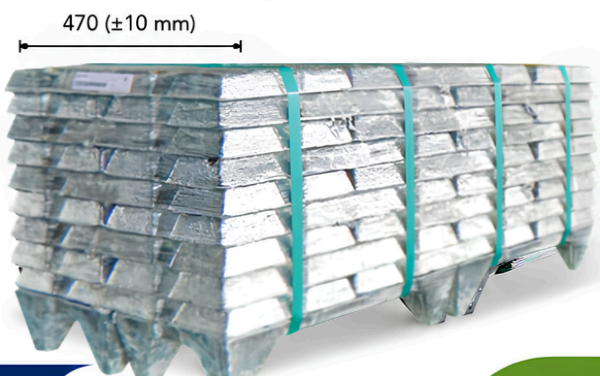
BUNDLE SPECIFICATIONS

Ingot Weight	25 Kg each (± 2 Kg)
Bundle Weight	1000 Kg each (± 50 Kg)
Bundle Configuration	4 Ingots/Layer x 10 Layers
Bundle Dimensions	**960** (±10 mm) Length
	470 (±10 mm) Width
	475 (±10 mm) Height

BUNDLE DIMENSIONS AND VIEW





Physical Specifications:

All Dimensions in ***mm***

ENGINEERED FOR RELIABILITY

CONSISTENT QUALITY. TRUSTED PERFORMANCE.

A Product of

Hindustan Zinc Alloys Pvt. Ltd.

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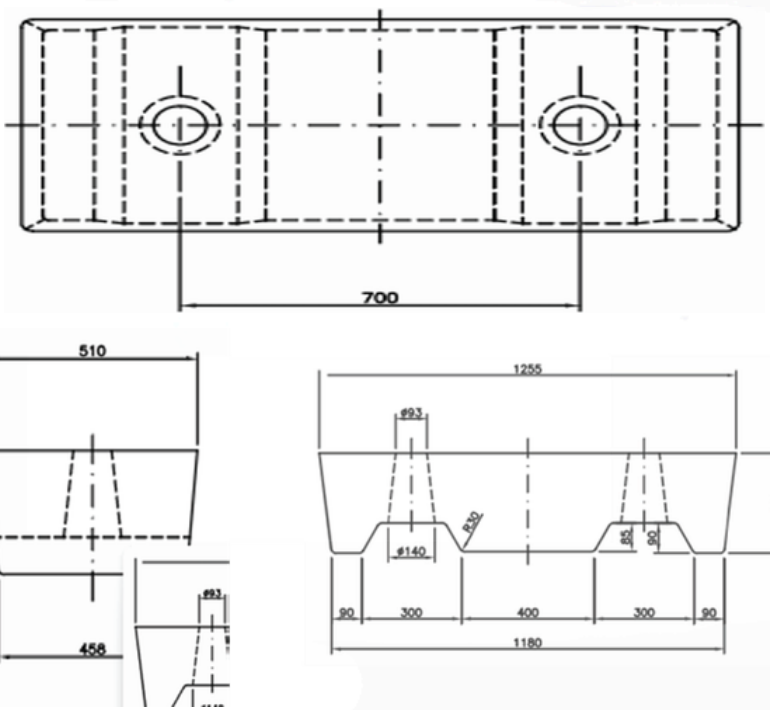
BUNDLE SPECIFICATIONS

Component	Guaranteed
Weight	1000 Kg each (± 50 Kg)
Length	1255 mm
Width	510 mm
Height	300 mm

SLAB DIMENSIONS AND VIEW



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- ADVANCED CORROSION PROTECTION
- ENHANCED STRENGTH & DURABILITY
- CONSISTENT QUALITY YOU CAN TRUST
- ENGINEERED FOR SUPERIOR PERFORMANCE

COMPLIANT • REACH • COMPLIANT

RoHS COMPLIANT

मानक: पथप्रदर्शक:
Bureau of Indian Standards

CERTIFIED ISO 9001 COMPANY

International Organization for Standardization ISO 14001

ISO 45001 Occupational Health and Safety ISO 45001

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