

**Discover the new GEM  
for a sustainable future**



[www.pressmetal.com](http://www.pressmetal.com)



**As Southeast Asia's largest  
integrated aluminium producer,  
we believe in building  
& fortifying a sustainable future**

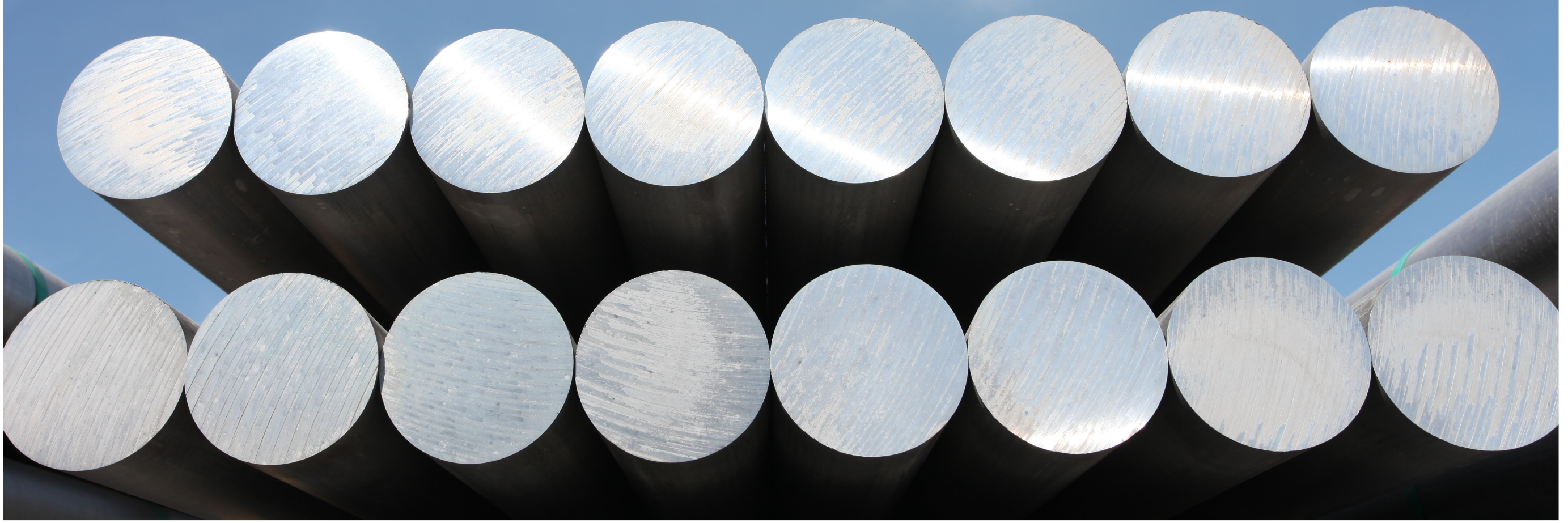
*Our smelting plants, located in Mukah and Samalaju, Sarawak State's "Corridor of Renewable Energy" (SCORE) economic region, derive a significant portion of electricity from hydro sources.*

# What's your GEM?

Discover solutions that **best meet**  
**your sustainable goals**

## OUR PRIMARY PRODUCTS

Billets



PFA Ingots



Wire Rods



P1020 Ingots



Produced with a  
**carbon footprint that is  
about 3x lower  
than the industry average\***

Industry average



*\*System boundary is based on cradle-to-gate.*

Our low-carbon aluminium series is also produced with less than 4.0 metric tons of CO<sub>2</sub> emissions per metric ton of aluminium, for Scope 1 (direct) and Scope 2 (indirect) greenhouse gas emissions.

## Key Benefits of Using GEM for your products

- 1 Carbon footprint verified by an independent party in accordance with ISO 14064 –3
- 2 Demonstrates transparency in the supply chain
- 3 Life cycle assessment is consistent with the requirements of ISO 14040 and ISO 14044 third-party verified
- 4 Provides carbon footprint traceability
- 5 Contributes to GHG reduction goals



# LOW CARBON CERTIFICATE

A sample of our  
low-carbon  
aluminium certificate

Customer:

Certificate No:

Date:

**This is to certify that** the metal as per the table below is produced with less than 4.0 metric tons of CO<sub>2</sub>e per metric ton of aluminium<sup>1</sup> - Scope 1 (direct) and Scope 2 (indirect) greenhouse gas ("GHG") emissions - from aluminium electrolysis, aluminium casting, as well as emissions from purchased electricity. Our product carbon footprint<sup>2</sup> and its environmental impact assessments<sup>3</sup> were analysed based on cradle-to-gate approach.

<sup>1</sup>Scope 1 and Scope 2 GHG emissions are calculated based on IAI's Aluminium Sector GHG Protocol

<sup>2</sup>Product Carbon footprint (cradle-to-gate) complies with the requirement of ISO 14067 and is verified by an independent third-party in accordance with ISO 14064-3

<sup>3</sup>Life cycle assessment is consistent with the requirements of ISO 14040 and ISO 14044 with reference to PCR 2022:08 Basic Aluminium Products and Special Alloys (1.0) and is independently third-party verified

Certified manufacturing locations under ISO 9001, ISO 14001, ISO 50001 and ISO 45001

Invoice No

Invoice Date

Tonnage

Product

Vessel

Head of Group Environmental, Health & Safety

## Our Commitment & Recognition

WE SUPPORT



Our smelting plants (PMBtu and PMS) are ASI Performance Standard certified

## Our GEM-packed qualities



Product carbon footprint (cradle-to-gate) complies with the requirement of ISO 14067 and is verified by an independent third-party in accordance with ISO 14064-3



Life cycle assessment conforms with the requirements of ISO 14040 and ISO 14044 with reference to PCR 2022:08 Basic Aluminium Products and Special Alloys (1.0) and is independently third-party verified



Our smelting plants (PMBtu and PMS) are ASI Performance Standard certified



Certified manufacturing locations under ISO 9001, ISO 14001, ISO 50001 and ISO 45001

Paving The Way Towards  
A Sustainable Future



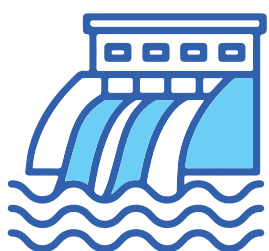
**Business Ethics  
& Corporate  
Governance**

We uphold governance through integrity, responsibility & transparency, building trust & loyalty with stakeholders to ensure lasting relationships and a strong, credible reputation.



**Empowering Our  
People and Enriching  
Our Communities**

We prioritise our people's health and safety, enhance human capital, and create positive community impacts.



**Using  
Renewable  
Energy**

Our smelting plants operate on renewable energy, predominantly generated from hydroelectric power.



**Sustainability  
is at the heart  
of everything  
we do**



**Responsible  
Sourcing**

We ensure our sustainability standards flow through our value chain, believing sustainability is a shared responsibility.



**Water  
as a Shared  
Resource**

Minimising freshwater consumption through maximised water reuse & recycling. We Reduce, Reuse & Recycle (3R) to conserve water.



**Operational GHG  
Emission Efficiency**

We recognise the critical importance of addressing climate change in our operations and beyond.



**Waste Management  
& Circular Economy**

We embrace the 4R approach (Reduce, Reuse, Recycle, Recover) to minimise waste at the source and responsibly manage it.

As one of the leading integrated aluminium producers in Southeast Asia (SEA), sustainability lies at the heart of our core values, underpinning our commitment to long-term profitability and the well-being of both people and planet. With ambitious and measurable goals set for 2030 and 2050, we are dedicated to driving progress in climate action, environmental stewardship and social responsibility.

Our Commitment & Recognition

**WE SUPPORT**



# Our Markets & Portfolio



The aluminium products that we produce help support many green industries including sustainable building materials, electric vehicles, renewable energy, and plastic packaging alternatives for consumer products.

The demand for primary aluminium is projected to grow more than 50% by 2050. We will continue to play a leading role in driving the global sustainability agenda by investing in innovation and technology to improve the efficiency and sustainability of the aluminium manufacturing process.



# Our Integrated Value Chain



## Bauxite Mining & Alumina Refining

- PT Bintan Alumina Indonesia
- Worsley Alumina Unincorporated Joint Venture

## Carbon Anode Manufacturing

- Shandong Sunstone & PMB Carbon Ltd., Co

## Smelting

- Press Metal Bintulu Sdn. Bhd.
- Press Metal Sarawak Sdn. Bhd.



## Casting

- Press Metal Aluminium Rods Sdn. Bhd.



## Extrusion

- Press Metal International Limited
- Press Metal International Technology Ltd.
- PMB Aluminium Sdn. Bhd.



## Trading & Distribution

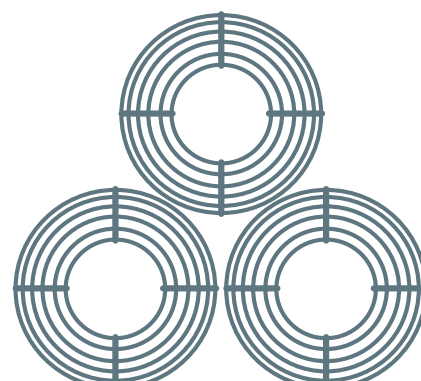
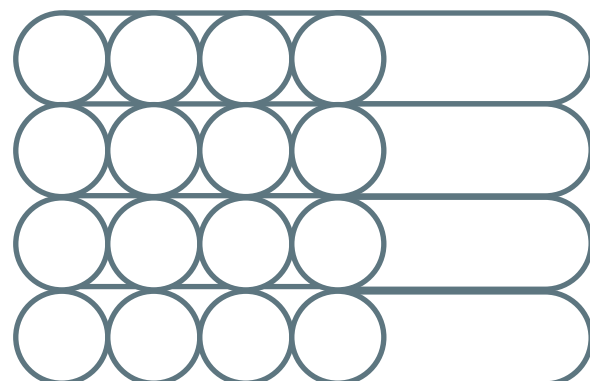
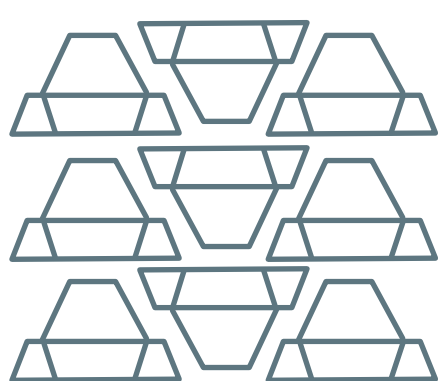
- Press Metal UK Limited
- Press Metal Aluminium (Aus) Pty. Ltd.
- Press Metal North America Inc.
- PMB Aluminium Sabah Sdn. Bhd.
- PMB Central Sdn. Bhd.
- PMB Eastern Sdn. Bhd.
- PMB Northern Sdn. Bhd.



# VIEW MORE PRODUCTS

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## FROM US

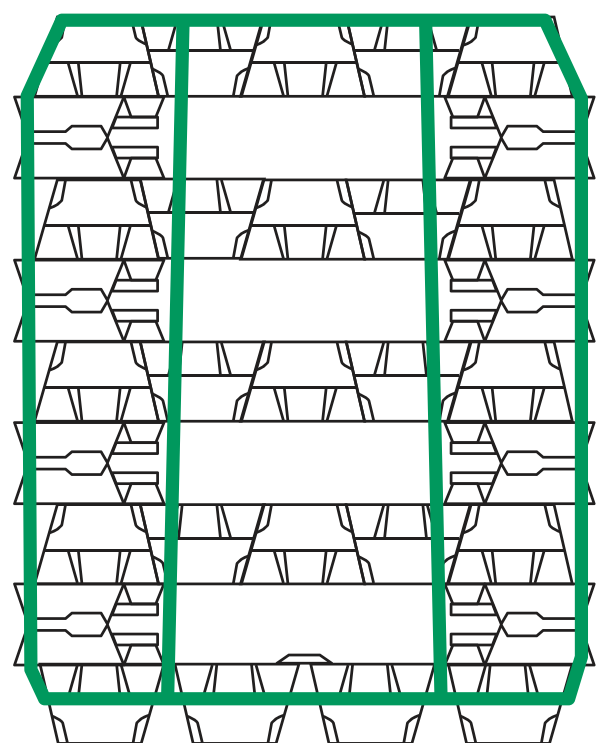


# HIGH PURITY ALUMINIUM INGOTS

Press Metal’s aluminium ingots are registered with London Metal Exchange under High Grade Primary Aluminium Contract as PMB brand. Our ingots are widely accepted and favoured because of the low iron content.



## THE INGOT BUNDLE SPECIFICATIONS



44 pcs Ingot Bundle  
65mm foot bar clearance

### Description

Approximate Ingot Weight  
Approximate Bundle Weight  
Number of Layer per bundle  
Number of Ingot per bundle  
Bundling Material

### P1020A

22kg  
968kg  
9  
44 pcs  
PET Straps

### Ingot Packaging Details

Ingot size: 22kg

44 pcs bundle dimension:  
740mm (W) X 740mm (L) X 990mm (H)

Each ingot bundle has its individual Barcode Label with:

- Producer’s Logo
- Manufacturing Site
- Alloy
- Cast Number
- QR Code
- Packing Number
- Nett Weight
- Number of Pieces

# BILLETS

Our billets range from 4-inch to 12-inch diameters with a special focus on small sized diameter requirements. Our fully homogenised billets are produced using air slip technology. They are preferred products in many countries across Asia, the Americas and Europe.



## THE BILLET BUNDLE SPECIFICATIONS

### Stacking, Weighing, Strapping

The billets are carefully arranged and secured with PET straps on wooden battens. Each bundle is bar coded and their details are recorded on the identity tag.

### Billet Identity

Each billet bundle has an identity tag detailing:

- |                   |                   |                    |
|-------------------|-------------------|--------------------|
| • Alloy           | • Cast Number     | • Number of Pieces |
| • Billet Diameter | • Production Date | • Bundle Number    |
| • Length          | • Nett Weight     | • QR Code          |

### Specifications

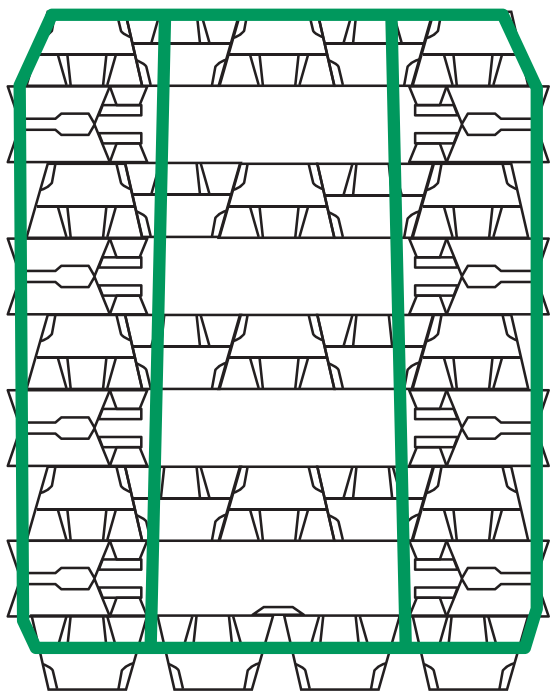
Alloy Code	: 6063, 6060, 6463, 6061, 6082, 6005A, 1050, 1070
Diameter	: 101.6mm (4"), 114.3mm (4.5"), 120mm (4.72"), 127mm (5"), 140mm (5.5") 152mm (6"), 178mm (7"), 203mm (8") 229mm (9"), 254mm (10"), 305mm (12")
Length	: 5800mm, other lengths subject to enquiry
Tolerance	: Diameter +/- 1mm Length +/- 3mm up to including 1000mm, +/- 10mm on all lengths above 1000mm
Bow	: 2mm per 1000mm, 10mm max for length > 6000mm
Squareness of cut	: 1mm per 100mm of diameter

# PRIMARY FOUNDRY ALLOY

Our Primary Foundry Alloy ingots are produced under stringent conditions to meet the unique requirements of customers. Being a major material in the automotive industry, our products are produced to the very unique and specific specifications.



## THE INGOT BUNDLE SPECIFICATIONS



22kg Ingot Bundle  
65mm foot bar clearance

### Description

Approximate Ingot Weight  
Approximate Bundle Weight  
Number of Layer per bundle  
Number of Ingot per bundle  
Bundling Material

### Primary Foundry Alloys

22 / 10kg  
968 / 890kg  
9 / 13  
44 / 89 pcs  
PET Straps

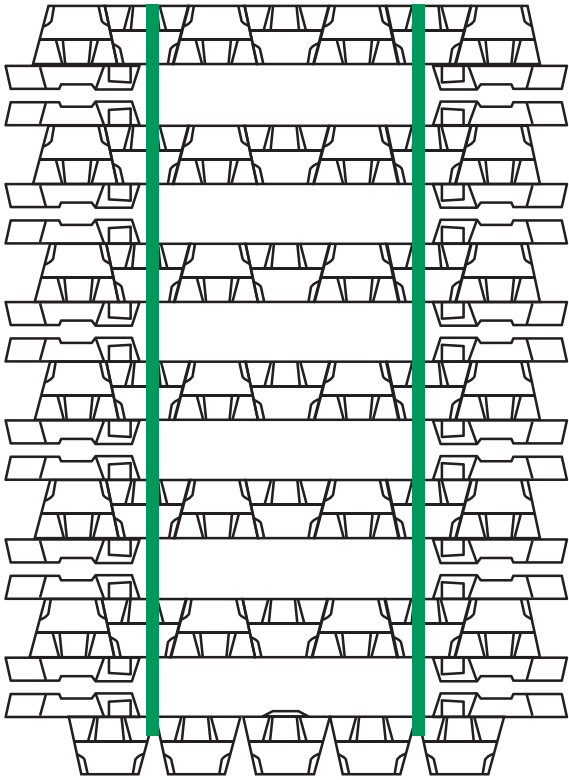
### Ingot Packaging Details

Ingot size: 10kg

10kg bundle dimension:  
740mm (W) X 740mm (L) X 1001mm (H)

Each ingot bundle has its individual Barcode Label with:

- Producer’s Logo
- Manufacturing Site
- Alloy
- Cast Number
- QR Code
- Packing Number
- Nett Weight
- Number of Pieces

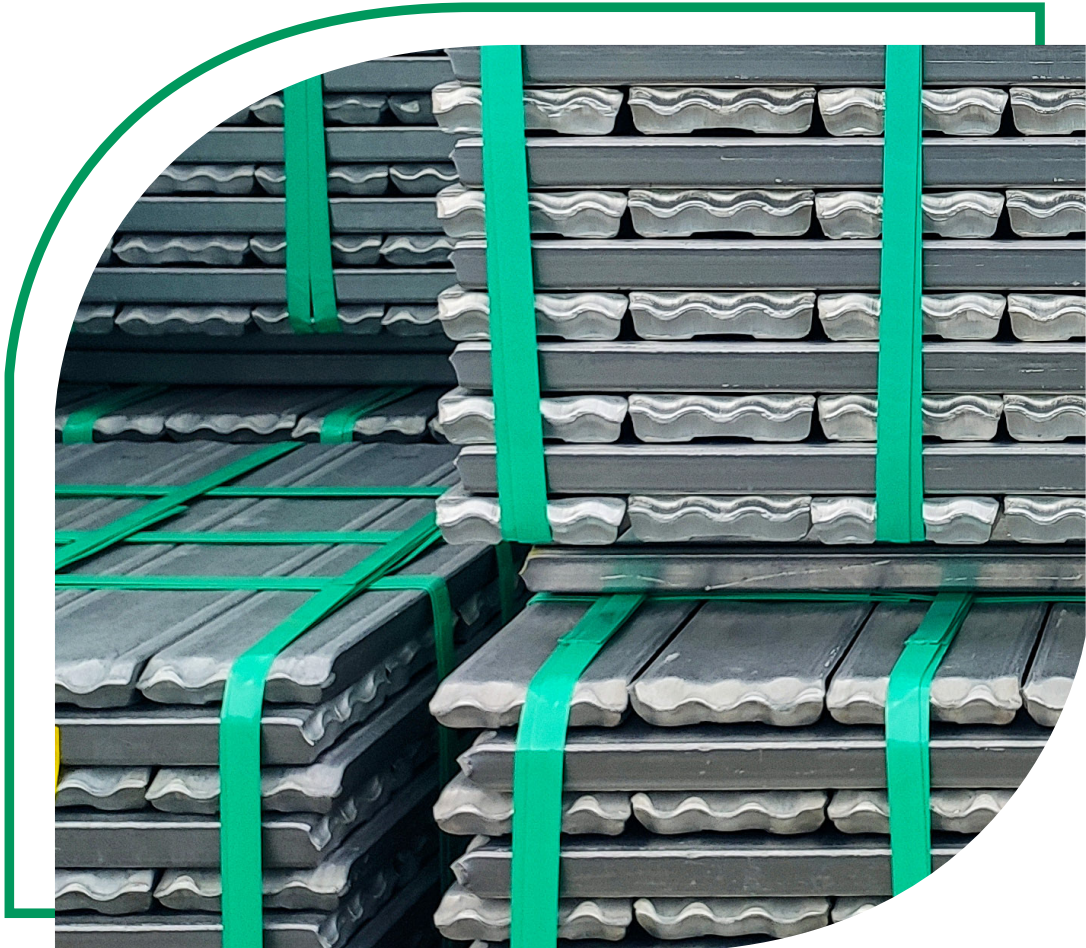


10kg Ingot Bundle  
50mm foot bar clearance

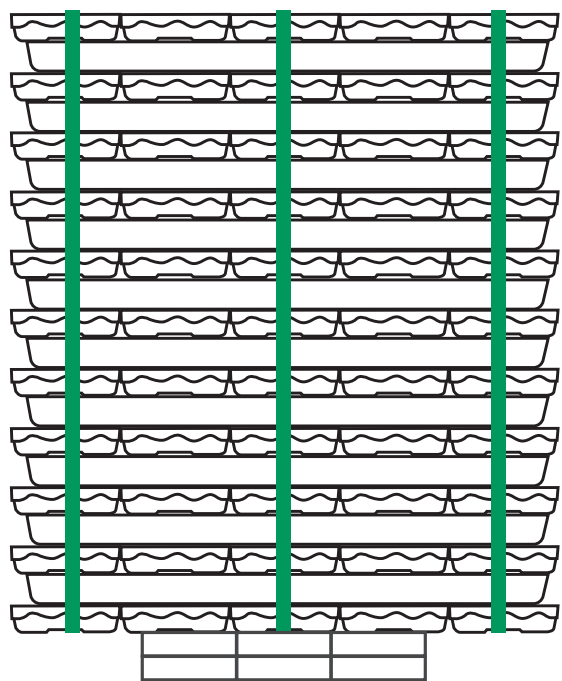
# FOUNDRY ALLOY

## Continuous Casting Line Ingots

Our new Continuous Casting Primary Foundry Alloy Aluminium – Achieve faster production cycles, superior quality, and reduced waste with our advanced automated process. Elevate your standards with excellence in every batch.



### THE INGOT BUNDLE SPECIFICATIONS



10kg Ingot Bundle  
80mm foot bar clearance

#### Description

Approximate Ingot Weight  
Approximate Bundle Weight  
Number of Layer per bundle  
Number of Ingot per bundle  
Bundling Material

#### Primary Foundry Alloys

10kg  
1090kg  
23  
111 pcs  
PET Straps

### Ingot Packaging Details

**Ingot size:** 10kg

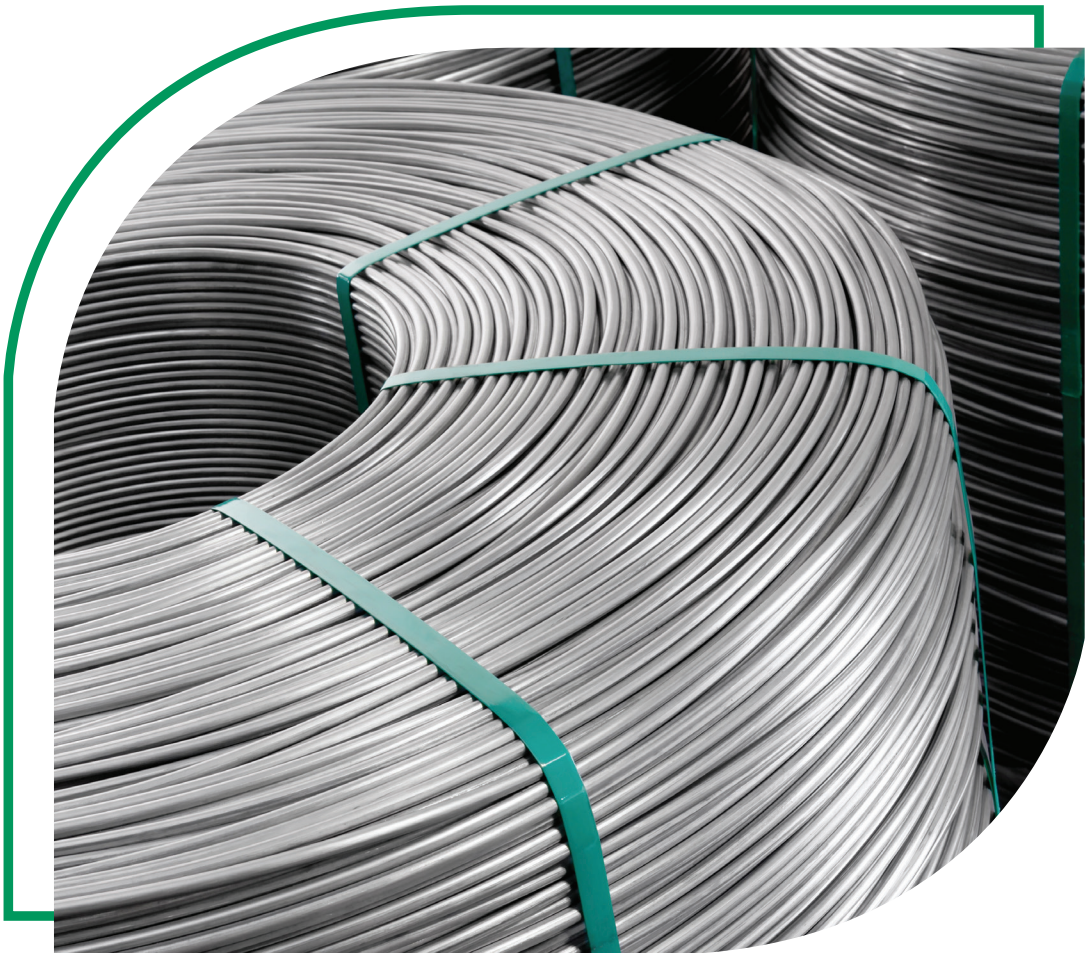
**10kg bundle dimension:**  
710mm (W) X 710mm (L) X 950mm (H)

**Each ingot bundle has its individual Barcode Label with:**

- Producer’s Logo
- Manufacturing Site
- Alloy
- Cast Number
- QR Code
- Packing Number
- Nett Weight
- Number of Pieces

# WIRE RODS

Press Metal produces Aluminium Electrical Conductor Grade Wire Rods with minimum 99.5% purity catering for the wire & cable industry. Aluminium is increasingly used as the preferred alternative over copper due to its advantages such as lightweight, corrosion resistance & high electric conductivity characteristics.



Our Aluminium Wire Rods are manufactured according to ASTM B 233 with the following specifications:

## TENSILE & ELECTRICAL PROPERTIES

Description (Temper)	Tensile Strength kgf/mm <sup>2</sup>	Tensile Strength Mpa	Min Conductivity % IACS	Volume electrical resistivity at 20°C ohm.mm <sup>2</sup> /m, Max	Elongation % at 250mm GL (Min)
1350 - 0	6.0 ~ 9.9	59 ~ 97	61.80	0.027899	10
1350 / 1370 - H11	8.2 ~ 9.7	80 ~ 95	62.00	0.027808	13
1350 / 1370 - H12	8.5 ~ 11.9	83 ~ 117	61.50	0.028035	10
1350 / 1370 - H13	10.7 ~ 12.2	105 ~ 120	61.50	0.028010	5
1350 / 1370 - H14	10.5 ~ 14.1	103 ~ 138	61.40	0.028080	8
1350 / 1370 - H16	11.9 ~ 15.3	117 ~ 150	61.30	0.028126	4
8176 - H14	10.5 ~ 15.5	103 ~ 152	60.00	0.028735	4
Solid shaped aluminium conductor	Please contact us for further information				

## TECHNICAL SPECIFICATIONS

### Diameter

Specified  
diameter (mm)

9.52

Deviation of mean diameter  
from specified diameter (mm)

±0.51

Deviation at any point from  
specified diameter (mm)

± 0.76



## Finishing & Appearance

The Aluminium Wire Rods are supplied in the form of a continuous coil without any joints. The Aluminium Wire Rods shall be clean, uniform, smooth, free of pipes, laps, cracks, kinks, twists, seams, damaged ends, excessive oil and other injurious defects.

## Packaging

Inner diameter : Approximately 500mm or 550mm  
Outer diameter : 1400mm maximum  
Height : 850mm to 950mm  
Weight : 2000 ± 200kg

Every coil is securely strapped to a pallet which is dry or free from moisture to prevent insect or fungal attack. Adequate protection shall be provided to prevent corrosion or physical damage to the coil. Each coil shall be wrapped to prevent damage from abrasion & contamination.

## Marking

Each coil has a label stating the following information:

- Customer name
- Material type and grade
- Nominal finished rod diameter
- Nett and gross weight
- Coil identification number
- Manufacturing date

