

Unmatched Quality,
Peerless Value



INDIA'S **LARGEST**
ALUMINIUM PRODUCER

FIRST FROM INDIA TO PRODUCE
LOW CARBON ALUMINIUM '**RESTORA**'

SUPPLYING TO OVER
60 COUNTRIES



ABOUT VEDANTA ALUMINIUM

Based in India, Vedanta Aluminium, is one of the world's top manufacturers of aluminium, the 'metal of the future'. With an installed production capability of 2.456 MTA, we are catering to the aluminium requirements of discerning customers in over 60 countries across Asia, Europe, Africa and the Americas.



OUR OPERATIONS

Aluminium Smelter Jharsuguda (Odisha)



- Jharsuguda Smelter is the largest single location smelter*
- State-of-the-art 1.85 MTPA smelter with 3015 MW captive power generation facility
- 1st Indian smelter in the global 1 Million tonne club
- Aluminium Stewardship Initiative (ASI) certified for demonstrating sustainable operations

*(Ex-China)

Bharat Aluminium Company (BALCO), Korba (Chhattisgarh)



- Iconic smelter unlocking 1 MTPA capacity, with associated 1740 MW of power generation facility
- Owned 51% by Vedanta Aluminium Metal Limited and 49% by the Government of India
- Clocking unprecedented growth from 100 KTPA in FY01 to 575 KTPA by FY26
- Aluminium Stewardship Initiative (ASI) certified for demonstrating sustainable operations

Alumina Refinery Lanjigarh (Odisha)



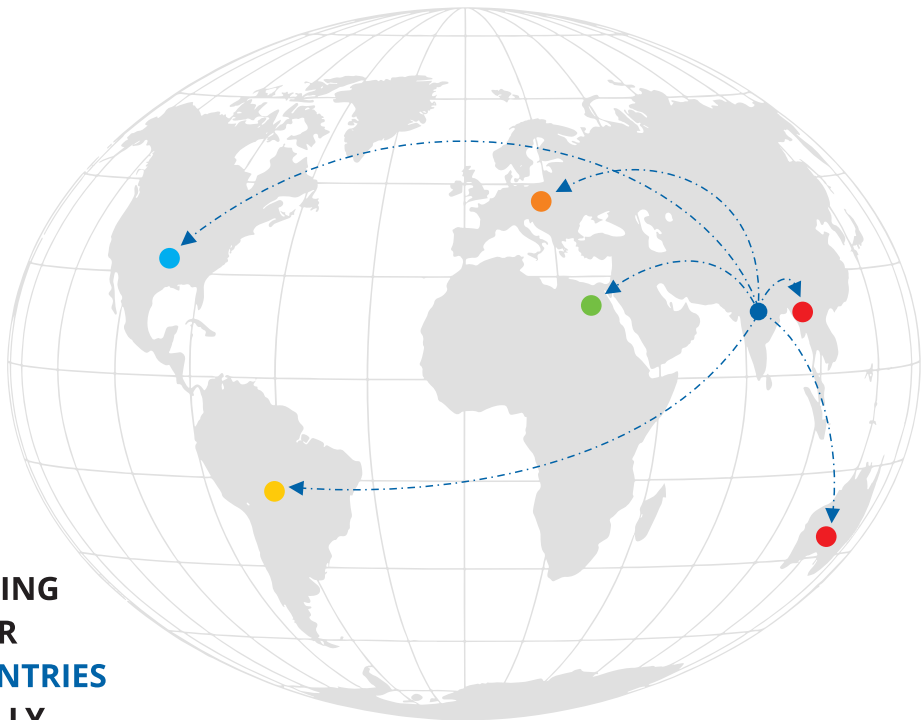
- A world-class 5 MTPA Alumina refinery with 155 MW co-generation power plant
- Supplying high-quality alumina to our smelters in Jharsuguda and Korba
- Brought one of the most impoverished regions in rural India into the socio-economic mainstream





GLOBAL PRESENCE

MAKING IN INDIA, FOR THE WORLD



SUPPLYING
TO OVER
60 COUNTRIES
GLOBALLY

AMERICAS ●

Brazil
Canada
Costa Rica
Ecuador
Honduras
Mexico
USA

EUROPE ●

Austria
Belgium
Bosnia
Bulgaria
Croatia
Finland
France
Germany
Greece
Italy
Netherlands
Poland
Portugal
Slovakia
Slovenia
Spain
Sweden
UK

MIDDLE EAST ●

Bahrain
Israel
Saudi Arabia
Oman
Qatar
Turkey
UAE

AFRICA ●

Egypt
South Africa
Rest of Africa

ASIA ●

Australia
Bangladesh
India
Indonesia
Japan
Malaysia
Nepal
New Zealand
Philippines
South Korea



PRODUCT PORTFOLIO AND CAPACITY



Wire Rod
700 ➔ 800 KTPA



Billet
830 ➔ 1250 KTPA



Primary Foundry Alloy
380 KTPA



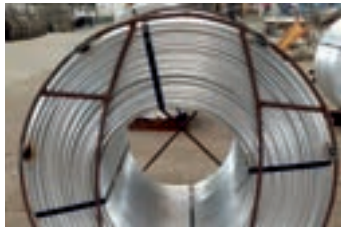
AISI T-Ingot
90 ➔ 120 KTPA



Slab
100 KTPA



Rolled Product
44 ➔ 100 KTPA



Flip Coil
24 KTPA



Hot Metal



Remelt Ingot
(P1020/P0610/P0507/A8)

➔ Capacity expansion in progress

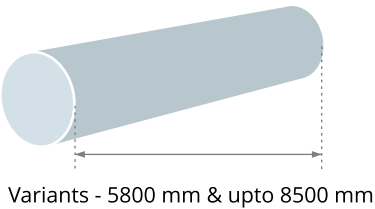




OUR PRODUCTS

BILLETS

Particulars	Existing	Post Expansion
Capacity	830 KTPA	1250 KTPA (420 KTPA: BALCO, under commissioning)
Furnace	Electrically heated holding furnace	Electrically heated holding furnace + Oil fired melting furnace
Technology	Wagstaff hot top air slip casting technology	Wagstaff hot top air slip casting technology (Vedanta Jharsuguda) Hycast hot top gas cushioning casting (BALCO)
Degassing	8 Rotors ACD (STAS)	10 & 12 Rotors ACD (STAS)
Filter	40 ppi 50 ppi	30 ppi 40 ppi 50 ppi
Homogenising	Continuous homogenising from Hertwich, Batch homogenising Suzhou, China	Continuous homogenising from Hertwich (Vedanta Jharsuguda) Batch + continuous homogenising from Hertwich (BALCO)
Ultrasonic testing	Online 100% centre line crack detection	Online 100% centre line crack detection + volumetric
Alloy Offering	1xxx, 3xxx & 6xxx	1xxx, 3xxx & 6xxx



OUR OPERATIONS

BILLETS

Dimensions and Tolerances

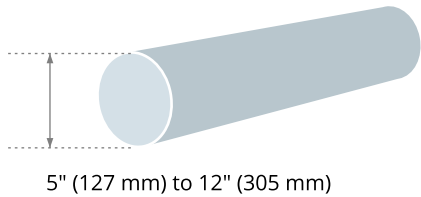
a. Diameter tolerances:

Billet diameter	Tolerance type 1	Tolerance type 2
5" (127 mm)	± 0.5%	
6" (152 mm)	± 0.5%	
7" (178 mm)	± 0.5%	
8" (203 mm)	± 0.5%	+0/-1.0%
9" (229 mm)	± 0.5%	
10" (254 mm)	± 0.5%	
12" (305 mm)	± 0.5%	

b. Length: upto 8500 mm, tolerance ± 10 mm

c. Bow tolerance: 2 mm per 1000 mm, 10 mm max over log length

d. Extrusion billet is normally supplied with sawn ends.
The maximum allowable deviation from the square for each 100 mm (4 in) of diameter is 1 mm (0.04 in) or approximately 0.50



Our New Product Offerings

Offering	USP
High Speed Billet	• Delivers > 20% higher extrusion speed • Exhibits better physical / mechanical properties • Improves die life • Enhances recovery
High Strength 6063 for architectural applications	• Designed to sustain high wind load and fatigue • Dent resistance and 5% higher corrosion resistance • 7% increased strength over standard billets • Sleek design and better profile aesthetics
High Machinable Alloy	• 8% higher strength • Demonstrates better mechanical properties with excellent machinability without compromising on environmental aspects (lead-free product)
Crash Resistant Alloy	• Designed for crash box / bumpers for electric vehicles



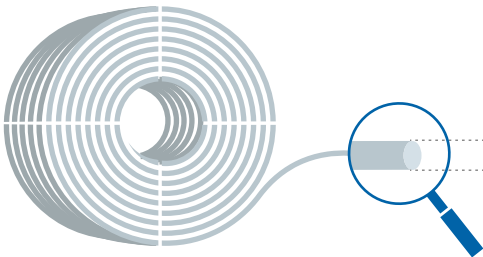


OUR PRODUCTS

WIRE RODS

We offer several high-quality, innovative products for diverse applications within the power and transmission sectors.

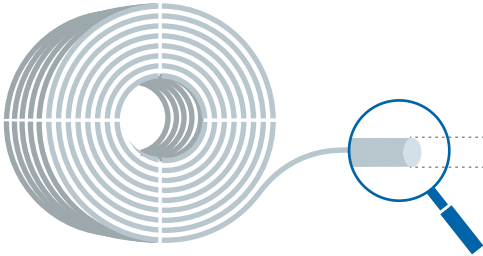
Grade	EC 1370/1350			
Temper	H-11	H-12	H-13	H-14
UTS (MPa)	80-95	95-110	105-120	115-130
Elongation (% at 100 mm) Min	22%	17%	14%	12%
Elongation (% at 250 mm) Min	15%	8%	8%	4%
Conductivity (% IACS) Min	61.5	61.5	61.5	61.5



Diameter:
7.5+/-0.50 mm
9.5+/-0.50 mm
12+/-0.50 mm
15+/-0.50 mm

ALLOY WIRE ROD

Grade	Alloy Rod			8xxx	
Temper	M Temper	T-4 Temper	Al-59	8176 (H14)	8030 (H14)
UTS (MPa)	130-169.16	160-250	138 min	103-138	103-138
Conductivity (%IACS) Min.	54	50	54.60	≥ 60	≥ 59.5
Elongation (% at 250 mm) Min	7 min	10 min	10 min	≥ 10	≥ 10



Diameter:
(9.58 * 0.12) +/-0.50 mm
7.6 +/-0.40 mm
9.5 +/-0.50 mm
9.5 +/-0.50 mm
9.5 +/-0.50 mm

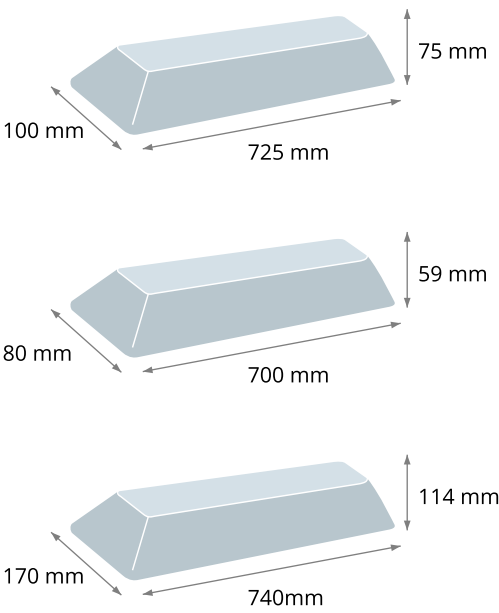
As per customer requirements, Vedanta Aluminium has the capacity of supplying 8xxx rods (8176 and 8030)



OUR PRODUCTS

PRIMARY FOUNDRY ALLOY

- Product:** 10 kg Ingot
10 kg Cast Bar
22 kg Ingot
- Capacity:** 380 KT
- Technology:** Remetal Befesa (Spain) Continuous-Properti (Italy)
- Ingot Dimensions:** 725 mm X 100 mm X 75 mm
700 mm X 80 mm X 59 mm
740 mm X 170 mm X 114 mm
- Alloy Offering:** AlSi7(A356.2), AlSi9, AlSi, LM series (customisable) Cu Doped A356
- Bundling:** 44 pieces (approx. 1 MT)
93 pieces (approx. 1 MT)
107 pieces (approx. 1 MT)
- Packaging:** PET Straps / Cross Straps
- Application:** Automobile sector, Railways, Aerospace, Engineering Castings

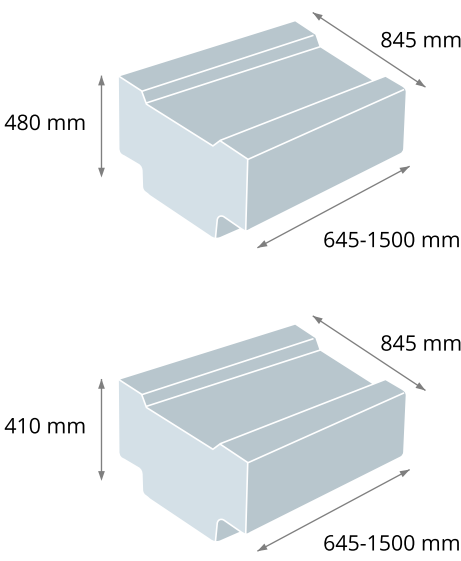




OUR PRODUCTS

AlSi T-Ingot

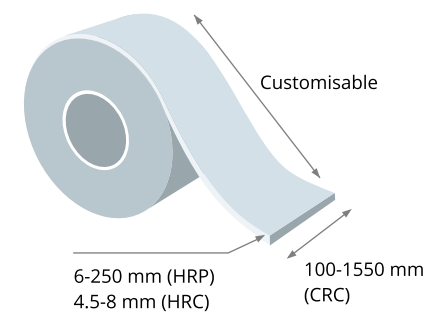
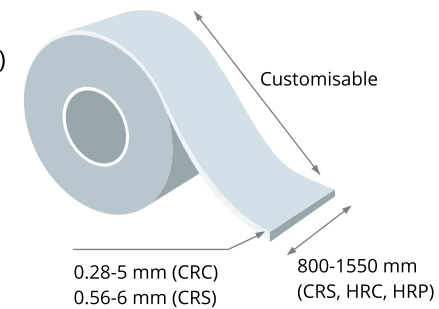
- Capacity:** 90 KT
- Dimension:** 480 mm X 845 mm
410 mm X 845 mm
- Length:** 645-1500 mm
- Alloy offering:** P1020, AlSi3
- Technology:** Epsilon Ingot Casting Technology by Wagstaff (USA), In-line Treatment Facility - SNIF P140 by Pyrotek (USA), CFF (23 X 23 X 2, 40 ppi), Auto Cutting Machine from Sermas (France)
- Application:** Steel industry for galvalume coating



OUR PRODUCTS

ROLLED PRODUCT

Capacity:	Current-44 KT, Post Expansion - 100 KT
Variants:	Cold Rolled Coils (CRC), Cold Rolled Sheets (CRS) Hot Rolled Coils (HRC), Hot Rolled Plates (HRP)
Alloy offering:	1xxx, 3xxx, 5xxx, 6xxx, 8xxx
Inner Diameter:	CR coils - 200 mm (for all thickness) 500 mm (for thickness 0.4 mm and above) HR coils: 750 mm (for all thickness)
Temper:	CR Sheets/Coils: H1X, H2X, H3X HR Coils/Plates: M, F, O
Weight:	CRC: 250-4000 Kg, HRC: 3500-4000 Kg
Width:	800-1550 mm (CRS, HRC, HRP), 100-1550 mm (CRC)
Thickness:	0.28-5 mm (CRC), 0.56-6 mm (CRS) 6-250 mm (HRP), 4.5-8 mm (HRC)
Technology:	Hot rolling mill - NKMZ (Russia) Cold rolling mill 1 - FATA HUNTER (Italy) Cold rolling mill 2 & Casting station - CNPT CHINA (Non-ferrous technology)





OUR PRODUCTS

SLAB

Capacity: 100 KT

Alloy offerings: 1xxx, 3xxx, 4xxx 8xxx

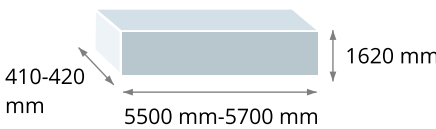
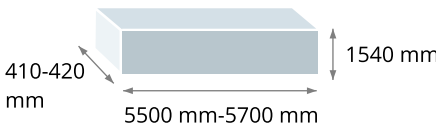
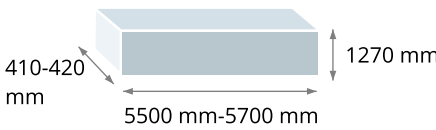
Technology: Epsilon Ingot Casting Technology by Wagstaff (USA), In-line Treatment Facility-SNIF P140 by Pyrotek (USA), CFF (23 * 23 * 240 ppi), Auto Cutting Machine from M/s Sermas, France

For BALCO - Vertical direct chill technology by CNPT, DBF by Adtech

Thickness: Nominal Edge Thickness plus/minus 4 mm Ingot Profile Thickness ± 4 mm Width ± 4 mm Convexity ± 4 mm

Application: Structural applications

Dimension:



OUR PRODUCTS

Restora® INDIA'S FIRST LOW CARBON ALUMINIUM

Our product categories are available as part of Restora, India's first **low carbon aluminium product range**, proudly produced by Vedanta Aluminium. Under this range, we offer both Restora (low carbon aluminium) and Restora Ultra (ultra-low carbon aluminium).

Restora is produced using renewable energy and has a **Greenhouse Gas (GHG)** emission intensity within **4 tonnes of CO₂ equivalent (tCO₂e)*** per tonne of aluminium manufactured - the global threshold for aluminium to be considered as low carbon.

Restora Ultra is made from aluminium recovered from dross (a by-product of the aluminium smelting process) and has a **near-zero carbon footprint**†. ‡ The patented technology used to recover and process aluminium dross results in greater energy efficiency and zero wastage of materials.

Both products have been verified as **low-carbon aluminium** post assessment by an independent global verification assurance firm.

*Smelter Gate to Gate

†Smelter to Scope 3





ESG HIGHLIGHTS



8.96% reduction in GHG emissions intensity since FY21, bringing emissions down to 17.01 tCO₂e per tonne of aluminium in FY25, while continuing to expand production capacity.



1.57 billion units of renewable energy consumption in FY25



The company has achieved 100% utilization of fly ash, reinforcing its circular economy practices.



Company recycled 16.79 million m³ of water, achieving a water recycling rate of 15.60% in FY25



Community development initiatives currently impacted over 1.75 million women and children across Odisha and Chhattisgarh, spanning education, healthcare, sustainable livelihoods and women's empowerment programmes in surrounding regions.



Vedanta Aluminium has released its inaugural TNFD Report, adopting the globally recognized LEAP (Locate, Evaluate, Assess, Prepare) framework to identify and manage nature-related risks and opportunities. The company has committed to achieving No Net Loss of biodiversity by 2050, with site-specific Biodiversity Management Plans already in place across all operational locations.



We were featured in the S&P Global Sustainability Yearbook 2026, placing among the top 10% of companies globally and ranking #2 in its sector for the third consecutive year.



CERTIFICATIONS

We have robust systems in place to understand and exceed customer expectations. Alongside timely delivery, we strive to assure our customers of the best quality, in compliance with globally accepted technical standards and certifications, for all deliveries. These coveted certifications provide unmatched quality assurance to our valued customers. Vedanta Aluminium's products are certified by the following agencies:



ISO 9001:2015

(Quality Management System)

Certified for the production and supply of primary aluminium and alloys



IATF 16949:2016

Certified for the production and supply of PFA and Billets for various applications to the automotive industry



ISO/IEC 17025:2017

NABL accreditation for laboratory for Testing Accreditation Certification



Bureau of Indian Standards (BIS)

for Primary Ingots, Alloy Ingots and Cast Bars, Wire Rods, Rolled Products (Sheet, Plate-Conductors and Plate-General Engineering)

Sustainable development with ESG excellence is the bedrock upon which we conceive our growth plans. As one of the world's leading aluminium producers, we strive to make our processes and products more sustainable with each passing day. Our certifications include:



ISO 14001:2015

(Environmental Management System)

Certified for the production and supply of primary aluminium and alloys



ISO 50001:2018

(Energy Management System)

Certified for the production of primary aluminium and alloys



ISO 45001:2018

(Occupational Health & Safety Management System)

Certified for the production and supply of primary aluminium and alloys



GLOBALLY CERTIFIED & RECOGNIZED AS BEST-IN-CLASS

S&P Global: Placed 2nd on the S&P Global Corporate Sustainability Assessment (CSA) 2025 rankings for the aluminium industry.

ASI: Our smelters at Jharsuguda and Chhattisgarh have been certified by the Aluminium Stewardship Initiative's Performance Standards, a well-established marker of sustainable operations.

In addition, we have received the ASI Chain of Custody certification for the sustainable sourcing of raw materials used in our production process.

IAI: Member of the prestigious International Aluminium Institute (IAI), the only body representing the global primary aluminium industry.

BIS: First primary smelter in India to be certified by Bureau of Indian Standards for the production of primary ingots, alloy ingots, cast bars, wire rods, rolled products.



GET IN TOUCH

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Scan the QR code to get the e-brochure or
log on to www.vedantaaluminium.com

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