

ArcelorMittal South Africa



Smarter steels for
people and planet

Company Overview





About Us

Worth 95 years of experience, ArcelorMittal South Africa is the largest steel producer in sub-Saharan Africa. It boasts 6 production parks across 4 provinces in South Africa, with an installed crude steel capacity exceeding 5 million tonnes. With a local employment base of about 7000 people, we produce a spectrum of primary flat and long steel products, in a wide variety of grades and dimensions and with compliance to international specifications. Our products are used across over 20 market segments, predominantly in the African region but also in Europe, Asia and the Americas.

ArcelorMittal South Africa forms part of the ArcelorMittal Group, producing about 70 million tonnes of crude steel, transacting in over 155 countries and employing over 150 thousand people globally. The group is the largest by innovation and a leading producer in the Americas, Europe and Africa. The group is leader in all major global markets including Automotive, Construction, household appliance and packaging, with leading R&D and technology, as well as sizeable captive supplies of raw materials and outstanding distribution networks. Through this association, ArcelorMittal South Africa has access to world-class research and development, best practice processes, extensive procurement contracts and international market leverage to ensure the company remains at the cutting edge of the international steel industry.

Our Purpose

Championing Africa's industrial ambitions through sustainable steel.

Our Values

Safety



Success starts with training, empowering and keeping all our employees safe.

Leadership



Local leadership through visionary thinking and willingness to challenge the status quo and be open to doing things differently.

Quality



Quality is essential to our competitive edge.

Sustainability



Sustainability through our strive and actions to remain competitive in the world of tomorrow.

What we do

ArcelorMittal South Africa has two blast furnaces in Vanderbijlpark, which turn iron ore into liquid iron and have an annual ironmaking capacity of around 3 million tonnes. Vanderbijlpark also has a sinter plant with a capacity of around 250 000 tonnes which combines iron ore fines (dust) with other fine materials at high temperatures to create sinter that can be used in the blast furnaces.

Vanderbijlpark has six direct reduction (DR) kilns, of which currently, on average, two are in operation at any time. DR kilns are designed to produce solid iron units for consumption in blast furnaces.

Steel Making & Rolling

Liquid iron and scrap are transformed into steel in basic oxygen furnaces (BOFs). Steel is then cast into slabs.

From the caster, steel slabs are taken to the hot strip mill and rolled from slabs to coil. Before we ship products to clients, we treat what will become our final products in many ways; these treatments include painting, annealing, galvanising, and cutting and batching to specification.

In 2022, we launched our new ArcelorMittal Rail and Structures (AMRAS) mill, the only producer of mainline rail in Sub-Saharan Africa. It is also a producer of heavy gauge universal columns and beams.

Metallurgical Coke Making

Metallurgical coke is produced by five batteries in Vanderbijlpark for our own operations. Given our company's reduced steel output for at least the short term, when operating optimally, these ovens have sufficient capacity to meet our internal demand.

Coke & by-products

These operations produce, distribute and market commercial (or market) coke for sale to customers, primarily in the ferro-alloys sector. We also sell enriched products including tar, basic oxygen furnace and blast furnace slag

Our Footprint



ArcelorMittal Rail and Structures (AMRAS)

- Heavy section rolling mill
- Universal column and beams
- Rail & Siding Products



Vanderbijlpark Works

- Flat Steel operation, inclusive of iron & steelmaking and rolling
- Extensive product range
- Uncoated products: slab, hot rolled coil, hot rolled plate
- Coated products: pickle & oiled, cold rolled coil, galvanized coil, electrogalvanized coil, colour coated coil



Vereeniging Works

- Long steel operation focusing on speciality steel products
- Services Automotive, Mining, Engineering, Fastener industries
- Seamless tube mill

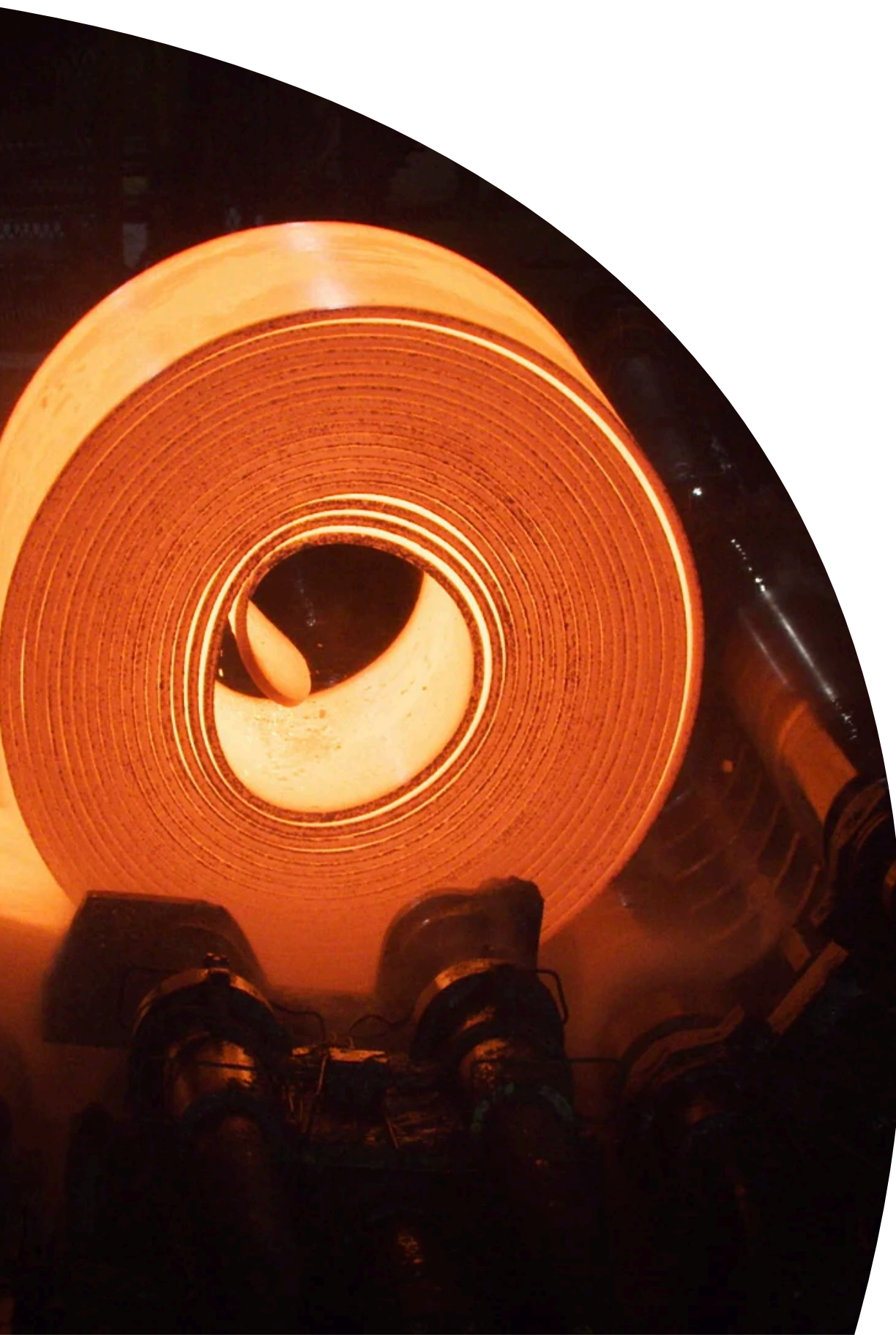


Coke and Co-products

- Commercial coke production for Ferro-Alloy industry; metallurgical and steel by-products beneficiation, including coal tar
- Pretoria, Newcastle & Vanderbijlpark



Flat Steel Products



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Hot Rolled Plate

Hot rolled plate is manufactured in a wide range of sizes for applications in several industries varying from construction, pressure vessels and wear resistant plates.

Typical End Uses

Hot rolled plate is used in the manufacture of heavy engineering products and equipment used mainly in the construction, mining, pressure vessel, water and chemical storage and general fabrication industries. It is also heavily used for the production of wind towers.



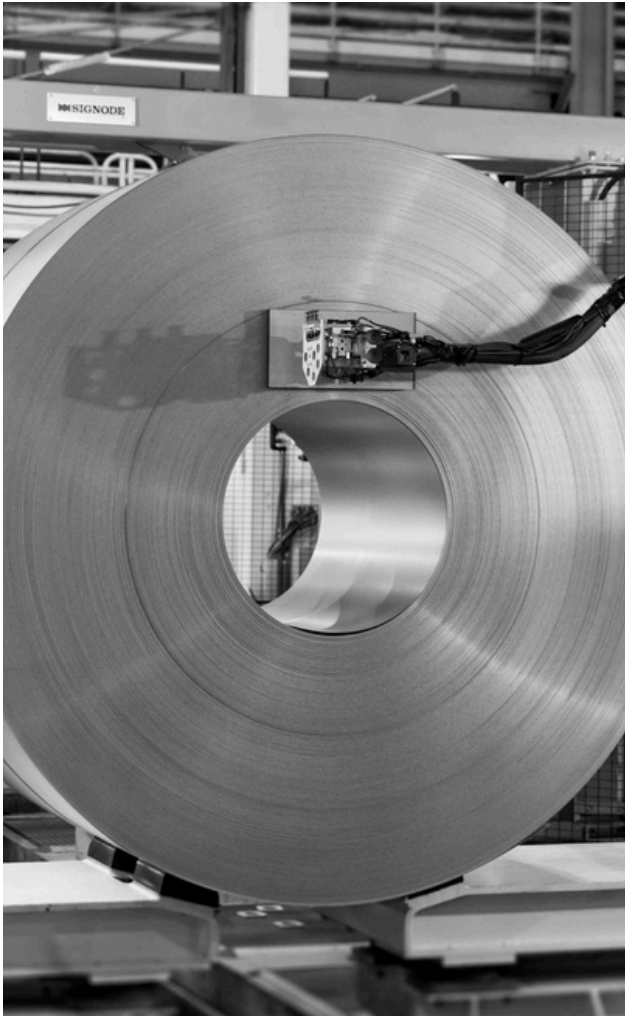
Hot Rolled Coil

Hot rolling is a mill process which involves rolling the steel at a high temperature where recrystallisation can readily occur.

Typical End Uses

Hot rolled coil is used in the manufacturing of general engineering products such as containers, mining equipment, drawing and forming applications like wheel rims, tube and pipes, agricultural implements, earth moving equipment, gas cylinders, truck trailers, water tanks, railway rolling stock, racking & shelving and solar trackers equipment.





Hot Rolled Coil Pickled and Oil

Pickled & Oil coil is hot rolled material that has been descaled of oxide film by both mechanical and chemical methods and then oiled to help retard corrosion during storage and after descaling.

Typical End Uses

Our pickled & oil coil is further processed and used in the automotive, re-rolling, general industries and to manufacture chicken battery feeding chains, money coins for SA Mint, various forms of brackets and vehicle jacks to name a few.



Cold Rolled Coil

Cold rolled coil is produced by processing hot rolled strip through a cold rolling process, followed by annealing and/or temper rolling. This process will produce steel with thinner gauges, closer dimensional tolerances and wider range of uncoated surface finishes.

Typical End Uses

Cold rolled coil is used in the manufacturing of electric appliances, domestic appliances like stoves, fridges and geysers, It can also be used for office equipment, containers, power stations equipment, vehicle manufacturing etc.

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Galvanised Coil

Galvanised coil is produced by applying a protective zinc coating to steel to prevent rusting. The most common method is hot-dip galvanising, in which parts are submerged in a bath of molten zinc.

Typical End Uses

Galvanised coil gets used in light steel frame building, roofing & cladding, tubing, racking & shelving, purlins, roof trusses and general industries. It is also a critical component in the manufacture of solar trackers.



Electrogalvanised Coil

Electrogalvanised coil sheets consist of a cold rolled steel substrate coated with zinc by electrolytic deposition on a continuous line. The electrogalvanising process allows accurate control of the thickness of the zinc coating.

Typical End Uses

Electrogalvanised steel is intended for applications involving all forming, drawing, stretching and bending processes during the manufacture of articles.

Typical end uses would include automotive body panels, structural components and trailers.





Chromadek® Colour Coil

Chromadek® is produced with a Zinc coating with a top and backing paint coat available in various colours.

Typical End Uses

Chromadek® can be used for roof sheeting, cladding, insulated Panels for cool rooms, ceiling strips, garage doors and is suitable for PV-panels to be installed on.



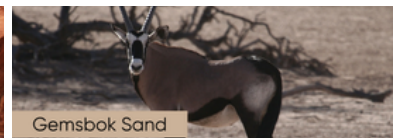
Fish Eagle White



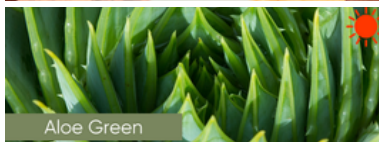
White Lion



Sandstone Beige



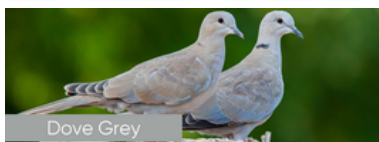
Gemsbok Sand



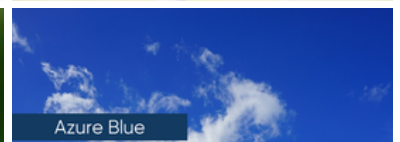
Aloe Green



Kingfisher Blue



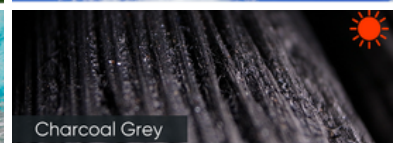
Dove Grey



Azure Blue



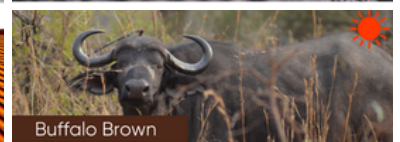
Dark Dolphin



Charcoal Grey



Kalahari Red



Buffalo Brown



Umlhanga Wave



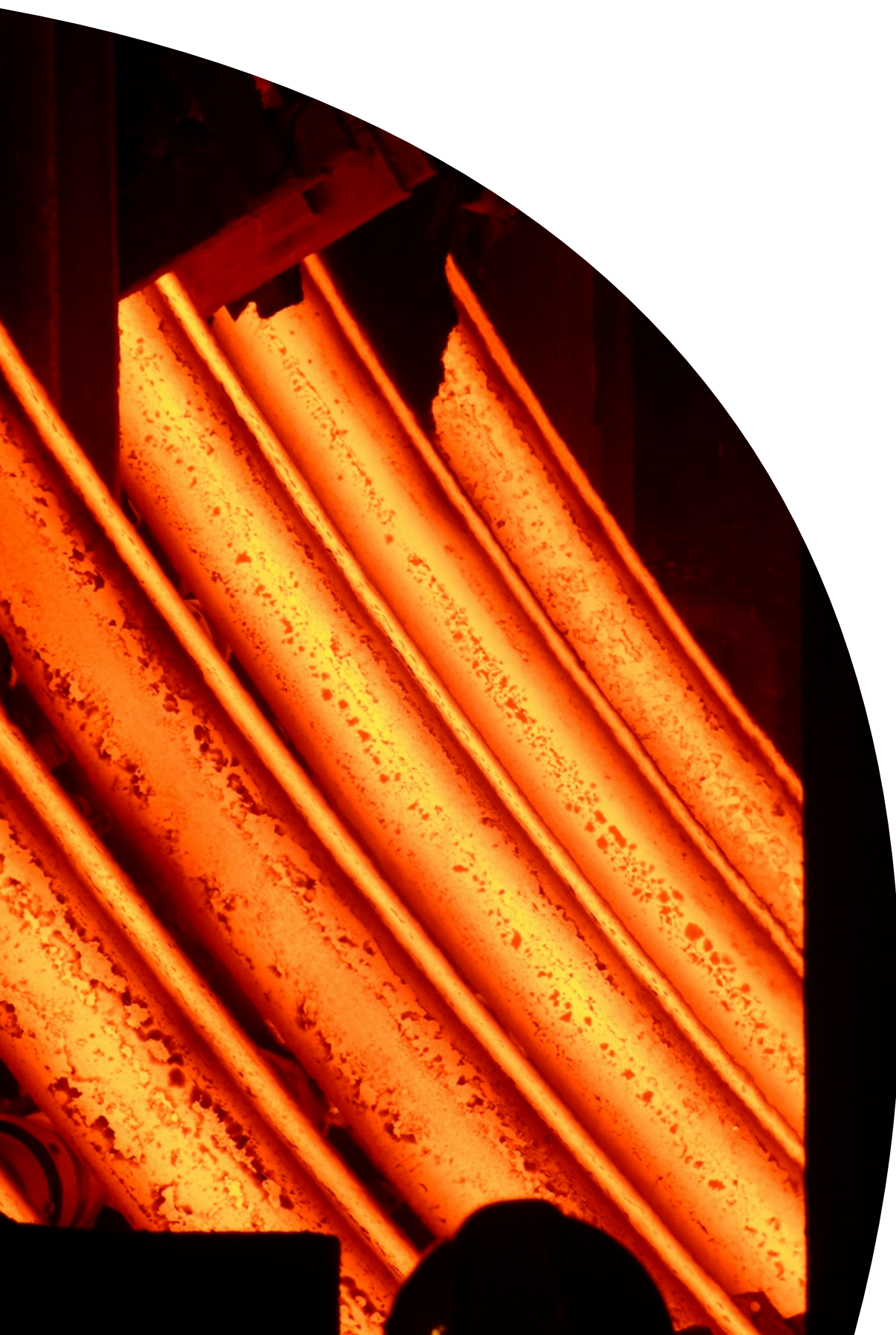
Traffic Green

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Long Steel Products



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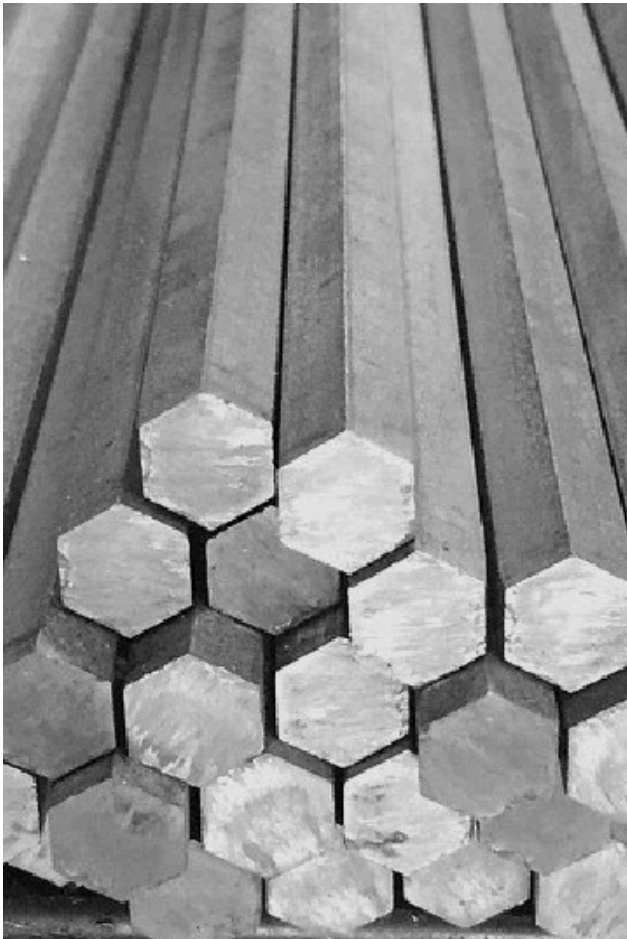


Rails

Rails for use in mines are supplied to ArcelorMittal South Africa's own specification as mines and sidings in 22 kg/m, 30 kg/m and 40 kg/m sizes as well as mainline rail specified in 48 kg/m and 57 kg/m sizes.

Typical End Uses

Used in mine sidings and overhead crane rails as well as mainline railway. ArcelorMittal South Africa is the only producer of mainline rail in Sub-Saharan Africa.



Hexagon Bar

A Hexagon bar is a bar with six straight sides and angles.

Typical end uses

Hexagon bars are used in the mining, specialised bolt and nut, machinery, chemical, shipping and architectural industry.

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Flat Bar

Flat bars are a flat, rectangular section with square or round corner edges in varying sizes.

Typical End Uses

This product is suitable for a wide variety of applications and is distributed into the construction, engineering, manufacturing, mining and fabrication sectors, among other industries.



Angles & Channels

Angles and Channels are widely used in various industrial applications due to their strength, versatility, and load-bearing capabilities.

Angles

Angles, are a type of structural steel with a distinctive L- shaped cross-section either in equal lengths.

Channels

Channels have tapered flanges, which give them greater structural stability and load-bearing capacity compared to flat steel bars.

Typical End Uses

Both steel angles and channels are used in infrastructure construction, machinery fabrication, and support structures.



Columns

Universal beams, are a type of hot-rolled structural steel used in various construction and engineering applications. They are called "universal" beams because of their versatile shape and wide range of uses. Universal beams are known for their excellent load-bearing capacity and are widely utilised in building frames, bridges, support structures, and other heavy-duty applications.

Typical End Uses

Columns are used in the construction industry, fabrication, steel structures such as commercial buildings and warehouses, transmission towers etc.



Hollow Bar

A Hollow bar is either a hexagon or a round bar with a hole in the centre of the bar.

The following profiles are manufactured at ArcelorMittal South Africa;

- Round Hollow Bar.
- Lined Hexagon Hollow Drill.
- Unlined Hexagon Hollow Drill.
- Unlined Case Hardening (on enquiry).
- Hollow Deformed Bar (on enquiry).

Typical End Uses

Hollow bar is primarily used in the mining industry as a hollow drill bit.

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Rounds & Squares

Hot Rolled Rounds

Round bars can be defined as material used for applications such as general engineering and rods for grinding mills.

Hot Forged Rounds

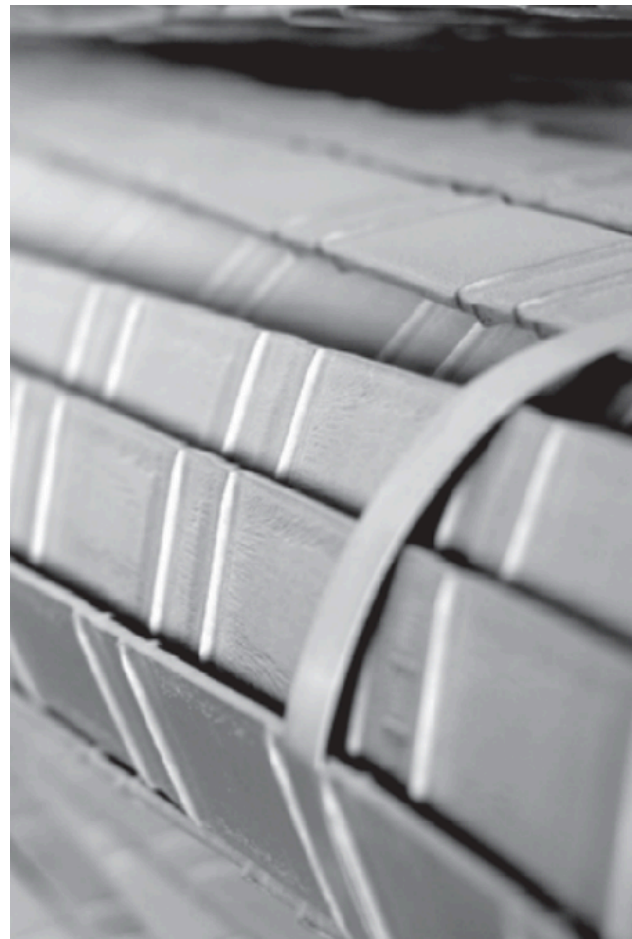
Round bars in the forged, heat treated and machined condition are typically used for applications such as engineering, armaments production and safety critical applications.

Hot Rolled Squares

The square bar product range consists of sharp cornered and round cornered square bars.

Typical End Uses

Rounds & Squares are typically used in the automotive, bolt & nut, chains, construction, agriculture, mining, re-forging, transport, armament and engineering industries.



Special Profiles

Special profiles are defined as products that are specifically developed for specialised applications. ArcelorMittal has a track record of developing products to suit specific applications and fulfilling customer needs.

Typical End Uses

Special profiles are typically used in the mining, construction, agricultural implements, rail and road networks and civil engineering industries.

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Tubular

Seamless tubular products refer to a type of metal tube or pipe that is produced without any welding or joining seams along its length. These tubes are manufactured through a process called seamless pipe manufacturing, which involves piercing a solid billet with a metal plug to create a hollow tube. This method ensures a uniform structure and consistent mechanical properties throughout the length of the tube.

Typical End Uses

The seamless product range includes line pipe for use in oil and gas transportation, carbon and low alloy for use in process and pressure piping applications, OCTG products and precision tube for mechanical applications.



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ArcelorMittal

ArcelorMittal South Africa Limited,
Headquarters, Commercial
Delfos Boulevard
Vanderbijlpark, 1900
PO Box 2,
South Africa

Telephone (Commercial) +27 (0) 16 889 3199

Telephone (Reception) +27 (0) 16 889 9111

e-mail address:

amsamarketing@arcelormittalsa.com

denzil.doyle@arcelormittal.com

Website:

www.arcelormittalsa.com

