

**AM/NS**  
**INDIA**

ArcelorMittal Nippon Steel India

**AM/NS** Stallion  
Hot Rolled Steel

**SYMBOL OF  
RELIABILITY**







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# THE STRENGTH OF TOGETHERNESS

## ABOUT AM/NS INDIA

AM/NS India, a joint venture between ArcelorMittal and Nippon Steel – two of the world's leading steel companies – is an integrated flat carbon steel manufacturer – from iron ore to ready-to-market products. Established in December 2019, the company's manufacturing facilities comprise ironmaking, steelmaking, and downstream facilities spread across India.

A major strategic advantage is our high level of forward and backward integration. AM/NS India is totally integrated – from raw material to finished products – adding value at every stage of the manufacturing process.

The company's goal is to help create smarter, more sustainable steel for India and beyond. To do this, it places safety, innovation, sustainability and technology at the heart of its manufacturing operations and product development.

AM/NS India offers more than 300 grades of steel, all of which conform to international quality standards, ascribing to being a trusted and reliable provider of steel to its customers in India and beyond.



# THE STRENGTH TO PROTECT THE ENVIRONMENT

## ABOUT **HAZIRA FACILITY**



Hazira Steel Plant, Gujarat, is a well-planned, sophisticated and environment-friendly facility with a highly integrated and modern complex. With an achievable capacity of 9 Million Tonnes Per Annum (MTPA), the company holds the distinction of owning and operating one of the largest single-location flat steel plants in the world. The plant comprises a comprehensive infrastructure set up, including power plants, lime and oxygen plants, a township and a captive port that can handle capsized vessels and is equipped with modern handling equipment. This inclusion makes the complex entirely self-sufficient, eliminating the dependency on external inputs and forms the core of AM/NS India's integrated processes.

# MANUFACTURING OVERVIEW



## IRON MAKING

### 3 ROUTES IRON MAKING

HBI/DRI, COREX  
BLAST FURNACE

Controlled chemistry (P & S)  
for manufacturing high quality  
clean steel.



## STEEL MAKING

### ACHIEVING STRINGENT CHEMISTRY

CONARC  
ELECTRIC ARC FURNACE

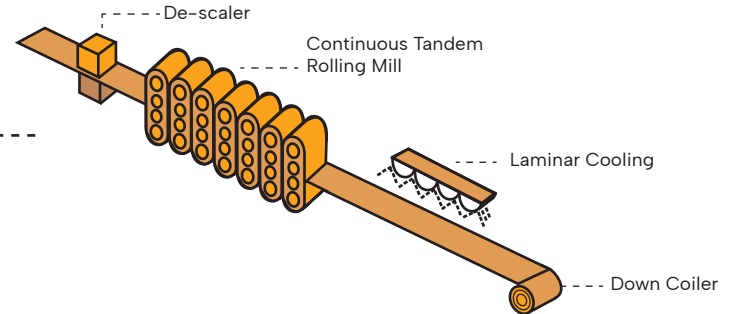
For melting Hot DRI/HBI and Hot Metal.  
**Clean Steel Technology:**  
Vacuum Degassing, Secondary Refining  
and Calcium Treatment



## CASTING

SOLIDIFICATION OF STEEL

Continuous Caster with  
Automatic controls for  
attaining superior internal  
soundness of steel.



## HOT ROLLED STEEL

CONSISTENCY IN QUALITY

HOT STRIP MILL  
COMPACT STRIP MILL

Uniform Properties  
Best In Class Tolerance  
Guaranteed Flatness



# THE STRENGTH YOU CAN RELY ON


## ABOUT **STALLION**

Our hot rolling mills at Hazira, in Gujarat, with a rated capacity of 8.6 MTPA, include a conventional hot strip mill and a modern compact strip mill. The mills produce a wide range of high strength hot-rolled products, in sizes ranging from 0.8mm to 20mm with a variety of applications.

The strip mill is the only plant in the world to have three ironmaking technologies at a single location – Midrex, Blast Furnace and Corex. The combination of two routes – Direct Reduced Iron and Electric Arc Furnace – ensures we produce cleaner steel, suited for high-end segments like automotive and defense.

Stallion is a range of hot-rolled (HR) steel coils produced by AM/NS India. These are designed to withstand rigorous pressures and temperatures. It is available in a wide range of grades to meet the requirements of imparting strength and fineness to the end products.





THE STRENGTH  
TO BE  
FLEXIBLE YET  
CONSISTENT

## FEATURES AND BENEFITS



### Best-in-class tolerance

Uniform thickness provided by our state-of-the-art hot rolling mill ensures high yield to the customers. Minimal thickness variation leads to consistent performance at component level.



### Guaranteed flatness

The equipment at the facility ensures absolute flatness of the coil making the material performance more effective at the time of laser cutting.



### Consistency of properties

The hot rolling technology ensures consistent and excellent properties throughout the coil. This makes the customer generate the best yield for the desired sizes.



### Wide range of customised sizes

The Plant technology ensures that the material is supplied as per customer's requirement. This enhances customer satisfaction making the wastage minimum at the end application.

# THE STRENGTH TO CREATE AN IMPACT

## PRODUCT APPLICATIONS



Machine Body



PEB and Construction



Pipe Manufacturing



Agricultural and  
Construction Equipment



General Engineering &  
Fabrication



Tractor Trailers



Transmission Towers



Medical Equipment like  
Hospital Beds

## SPECIFICATIONS AND CERTIFICATION

From	Up to / not including	≥600<1200	≥1200<1500	≥1500<1800	≥1800<2000
1.5	2	±0.11	±0.12	±0.14	-
2	2.5	±0.12	±0.14	±0.15	±0.16
2.5	3	±0.13	±0.14	±0.16	±0.17
3	4	±0.14	±0.16	±0.17	±0.18
4	5	±0.16	±0.17	±0.18	±0.19
5	6	±0.17	±0.18	±0.19	±0.20
6	8	±0.19	±0.20	±0.20	±0.23
8	10	±0.21	±0.22	±0.22	±0.26
10	12.5	±0.23	±0.24	±0.24	±0.28
12.5	15	±0.24	±0.25	±0.26	±0.30
15	20	±0.26	±0.28	±0.30	±0.33

The thickness tolerances depend on specification like ASTM, IS, EN, DIN etc. However, the above table represents the typical thickness tolerances offered.

**BUREAU OF INDIAN STANDARDS**

The National Standards Body of India







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