

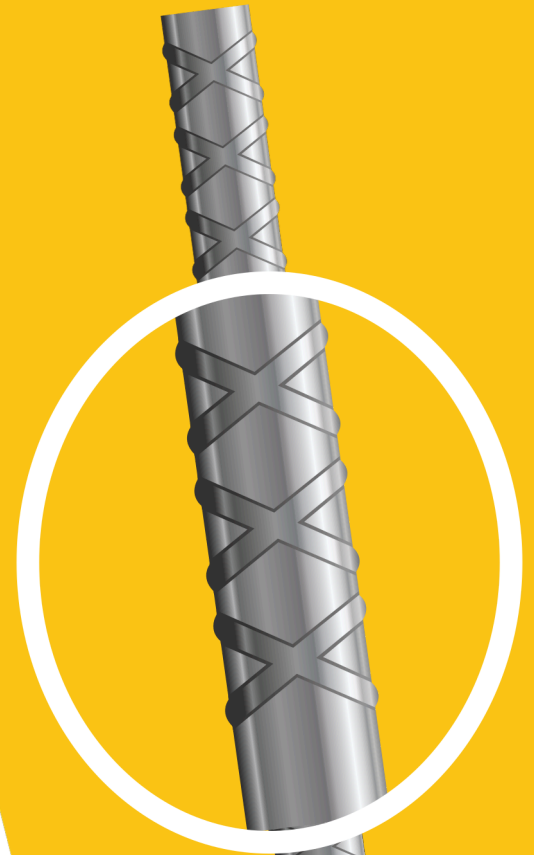


# BISON

FE 550D TMT REBARS

BISON HAI TOH BHAROSA HAI

## Fe550D



NOBLE BISON FE 550D





**Asish Mohapatra**  
Founder

OfBusiness is a new-age B2B commerce and fintech startup that provides smart procurement and smart financing solutions to SMEs through its tech enabled platform. OfBusiness serves as a single window for SMEs in the manufacturing and infrastructure sector for all raw material procurement, supplier financing, and project financing needs. SMEs can use unsecured credit limits for cost-effective procurement of raw materials (steel, TMT, metals, chemicals, polymers, textiles, cement and building materials) which the platform aggregates, passing the aggregation benefits to the SMEs.

## ABOUT Noble Bison FE 550D TMT Rebars

Introducing **Noble Bison FE 550D TMT Steel** – Strength, Quality, and Innovation for the Future

We are proud to present **Noble Bison FE 550D TMT Steel**, a promising new name in the reinforcement steel industry, poised to make a lasting impact in the Indian Steel Industry. Backed by the OfBusiness Group, our commitment to excellence, cutting-edge technology, and meticulous manufacturing ensures steel of the highest quality.

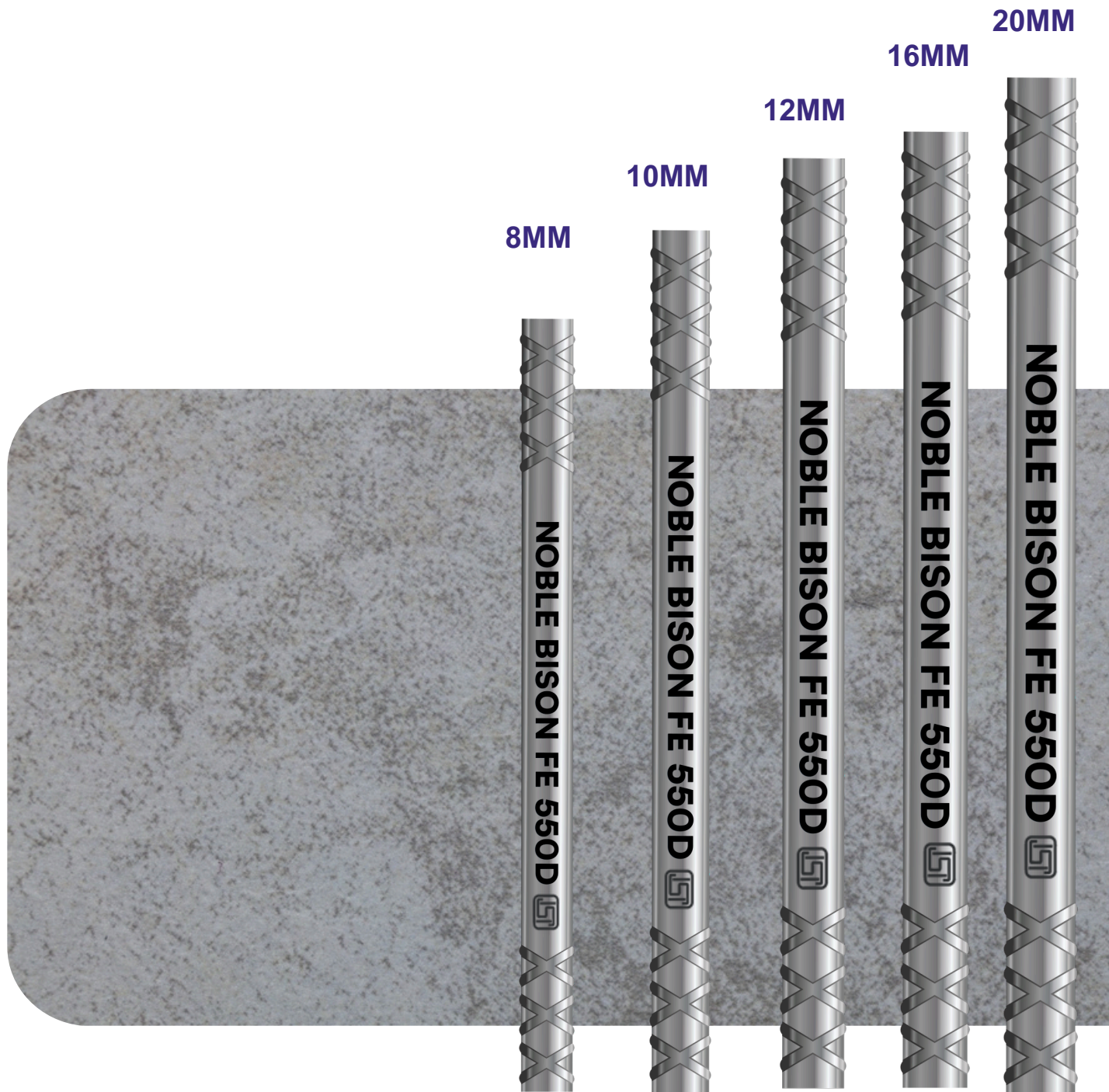
Noble Bison FE 550D TMT Bars are manufactured in the most advanced **Integrated Steel Plants** in India. These facilities boasts state-of-the-art machinery and cutting-edge technology. These plants ensure exceptional rolling capabilities and consistent quality. The facilities operate efficiently and sustainably to meet the growing demands of the market.

Producing TMT bars in **Fe-550D** grade that adhere to BIS standards (**IS: 1786-2008**), our products offer a perfect blend of strength and ductility, making them ideal for modern construction. Certified with **ISO 9001:2015** and **ISO 14001:2015**, we prioritize quality and sustainability in every step of production.

Our range includes TMT bars from **8mm to 20mm**, manufactured from Iron Ore, meeting the highest quality standards to cater to diverse construction needs.

As we step into the market, **Noble Bison FE 550D TMT Steel** is dedicated to becoming a trusted name in reinforcement steel, delivering products that strengthen the foundations of tomorrow.

# Noble Bison FE 550D TMT bars cater to diverse construction needs



*\*Photos are for reference purpose only, Actuals may vary*



# PRODUCT SPECIFICATIONS

## CHEMICAL COMPOSITION

| Elements          | Unit | BIS 550D  | Noble 550D |
|-------------------|------|-----------|------------|
| Carbon            | %    | 0.250 Max | 0.220 Max  |
| Sulphur(S)        | %    | 0.040 Max | 0.040 Max  |
| Phosphorus        | %    | 0.040 Max | 0.040 Max  |
| S+P               | %    | 0.075 Max | 0.075 Max  |
| Carbon Equivalent | %    | 0.420 Max | 0.420 Max  |
| Nitrogen (ppm)    | %    | 120 Max   | 120 Max    |

## MECHANICAL PROPERTIES

| PROPERTY                        | Unit              | BIS 550D | Noble 550D |
|---------------------------------|-------------------|----------|------------|
| Yield Stress (YS)               | N/mm <sup>2</sup> | 550 Min  | 560 Min    |
| Ultimate Tensile Strength (UTS) | N/mm <sup>2</sup> | 600 Min  | 644 Min    |
| Elongation                      | %                 | 14.5 Min | 16.0 Min   |
| UTS/YS Ratio                    | Ratio             | 1.08 Min | 1.15 Min   |
| Total Elongation                | %                 | 5 Min    | 5 Min      |

## WEIGHT TOLERANCE

| Cross Section<br>Size Bar (MM) | A   Area / M2 | MIN   | BIS<br>Standard | MAX   | Noble<br>550D |
|--------------------------------|---------------|-------|-----------------|-------|---------------|
| 8MM                            | 50.3          | 0.363 | 0.395           | 0.427 | 0.383-0.407   |
| 10MM                           | 78.6          | 0.574 | 0.617           | 0.666 | 0.598-0.636   |
| 12MM                           | 113.1         | 0.844 | 0.888           | 0.959 | 0.861-0.915   |
| 16MM                           | 201.2         | 1.5   | 1.58            | 1.658 | 1.548-1.612   |



## Manufacturing Process



# Fe5550D





**BISON HAI TOH BHAROSA HAI**

**Fe550D**

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