



BHRATATM



BUILD FOR GENERATIONS



STRONGER. SMARTER. SUPERIOR.

Discover the New Age of TMT Bars.

ABOUT US

Bhrata TMX is ready to set a new standard in the TMT bars industry, offering a blend of top-notch quality, and advanced technology. With a commitment to redefining strength, Bhrata TMX represents a new era of TMT bars engineered to support the structures of tomorrow.

Established on the principles of trust, we prioritize integrity and long-term value in every product. Quality is at the foundation of the Bhrata TMX as each TMT rod undergoes rigorous quality checks to ensure durability, resilience, and safety. Our advanced manufacturing technology not only enhances the strength of the rods but also delivers a product that adapts to the diverse demands of modern construction.

Guided by a commitment to innovation, we leverage advanced technology to produce TMT bars that adapt seamlessly to varied construction demands, offering unmatched quality for any project scope. By prioritizing the needs of builders and architects alike, our aim is to foster trust and reliability within the construction community.

In a field where excellence is non-negotiable, we are dedicated to leading the industry with innovation, reliability, and a forward-thinking approach. Bhrata TMX is engineered not just to withstand the challenges of today but to inspire the possibilities of tomorrow, creating a strong, enduring foundation for India's ever-evolving skyline.



Trust



**Consistent
Quality**



Flexibility



**Advance
Technology**



**Enhanced Rib
Design**

WHY US

Advantages

- 89 Years of Excellence
- Raw Materials, Pure Steel Billets
- Furnace Oil
- Automated High-Speed Rolling Mill
- 21-25 Passes
- Production of TMX bars Only
- Quenching Process
- Manufacturing Process According to BIS Norms
- Automatic Cooling Bed
- Right Composition of Chemicals and Substances
- Right TMX Processing
- Right Sectional Weight
- Pneumatically Controlled Grip Strapping
- Quality Inspection in Every 30 Minutes
- More than 500 Dealers
- Customer Care Service and Technical Support

Benefits-

- Products that adhere with the trust of customers.
- Strong TMX bars.
- Completes the process by raising the billet temperature to 1200 degree Celsius.
- Billets are made into TMX bars within 25-49 secs.
- Reduction is possible without any change in quality.
- More quality and strength when compared to bars made by decoiling the coils.
- Gives strength to the outer layer and bendability to the inner layer.
- TMX bars with higher resistance to earthquakes.
- TMX bars without any slight damage in quality or shape.
- Ensures easier and faster weldability.
- Ensures easier and faster bendability that facilitates easy bending, making work easier and faster at construction sites.
- Uniform weight parallel to the length of each TMX bar.
- Reduces the additional cost in the use of scraps in binding.
- Only the best products make it to the market.
- Easy reach out to customers.
- Ensures complete satisfaction of customers.

Premium Raw
Material

Fireproof

Easy
Bendability

German
Technology

Easy
Weldability

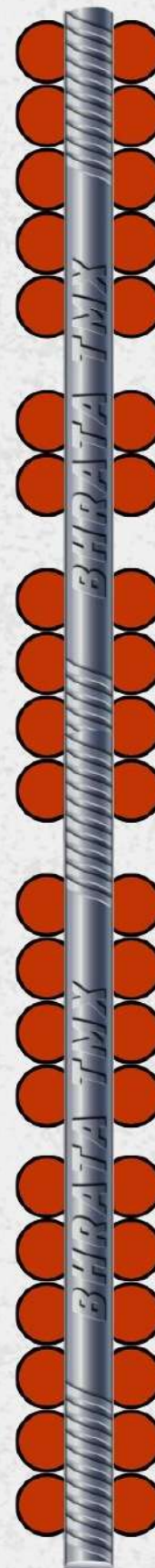
BIS Approved
Material

Earthquake
Resistant

Supreme
Quality

Higher
Corrosion
Resistance

Strong Grip
with Concrete



**TMT BARS MADE FROM
100% BILLETS
ENSURING
CONSISTENT QUALITY**



THERMEX[®]



Gujarat's First Ever Ultra Modern State-of-the-Art
Fully Automatic Steel Rolling Mill Plant with Production
Capacity of 2,00,000 Metric Ton Per Year.

BHRATA TMX

550 / 550 D

Super-premium high strength and high ductility TMT bars are typically used in the construction of all residential & commercial projects. Fe 550D bars are also used in projects like metro, bridges, highways etc. as well as specialized infrastructure projects like nuclear power plants. These are also used in earthquake-prone areas due to a high value of percentage elongation.



- LOW STEEL CONSUMPTION
- LOW LABOUR COST
- TIME SAVING
- COST SAVING
- STRONG STRUCTURE
- MORE SPACE

LOW DENSITY OF **FE 550D**
BHRATA TMX REBAR

HIGH DENSITY OF **FE 500D**
GRADE TMT REBAR



FE 550D

FE 500/ FE 500D

Technical Specifications

GRADE		FE-500 D		FE-550		FE-550D	
Mechanical Properties	Unit	IS 1786:2008	Bhrata FE-500D	IS 1786:2008	BhrataFE-550	IS 1786:2008	Bhrata FE-550D
0.20% Proof Stress/ Yield Stress	Min.(N/mm2)	500	530	550	570	550	570
Tensile Stress	Min.(N/mm2)	565	600	585	650	600	630
UTS/YS Ratio		1.1	1.12	-	-	1.08	1.1
Elongation	% Min.	16	18	10	15	14.5	16
Total Elongation	% Min.	5	7	-	-	5	6
Chemical Properties							
Carbon	% Max.	0.25	0.25	0.3	0.25	0.25	0.24
Sulphur	% Max.	0.04	0.04	0.055	0.04	0.04	0.04
Phosphorus	% Max.	0.04	0.04	0.05	0.04	0.04	0.04
S+P	% Max.	0.075	0.075	0.105	0.08	0.075	0.075

Bhrata TMX Bars
are used in the structures for:



Airports &
Ports



Railways &
Metros



Skyscrapers



Industrial
Structures



Road &
Bridges

SIZE RANGE- 8MM TO 40 MM

Available grades

FE 500 D | FE 550 | FE 550 D | FE 600





STRENGTH YOU CAN COUNT ON,
Quality You Can Trust!

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