



**STEEFO**

TMT

**SABSE STRONG**



**STRENGTH  
THROUGH  
TECHNOLOGY**

[www.steefotmt.com](http://www.steefotmt.com)



**ADD STRENGTH TO  
YOUR FOUNDATION**



## **STEEFO TMT**

**WITH 4 DECADES OF LEADERSHIP IN STEEL ROLLING TECHNOLOGY, WE HAVE SET UP AN ULTRA MODERN STATE OF ART FULLY CONTINUOUS AUTOMATIC STEEL ROLLING MILL PLANT WITH THE PRODUCTION CAPACITY OF 3,00,000 METRIC TONNES PER YEAR**

STEEFO TMT bars are manufactured in the latest state-of-the-art rolling mill through "THERMEX" German High Yield Quenched and Self Tempered (HYQST) Technology, ensuring great strength and durability. This cutting edge and advance technology uses a special cooling process to produce fine grain, multiphase, composite bars, with superior strength and ductility.

The intrinsic microstructure of STEEFO TMT bars has a soft ferrite and pearlite core that makes bars bent to customised shape inspite of having very high strength.

STEEFO TMT bars are engineered from pure steel and have superior earthquake resistance. Its unique rib pattern creates a strong grip with the concrete to create a bond that lasts for lifetime.

STEEFO TMT bars are rolled from 100% billets ensuring consistent quality. With the world class technology and focus on ut-most quality control, STEEFO TMT maintains highest quality standards in the manufacturing with 5S workplace organizational and housekeeping methodology. We have redefined the technology of manufacturing steel with respect to quality, strength and purity.

# **TRUST STRENGTH BENDABILITY QUALITY**



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







# FE 500D

SUPER STRONG | SUPER DUCTILE

## STEEFO TMT BARS ADDS STRENGTH FOR A STRONGER NATION

Infrastructure provides strength to a Country and hence it is important to provide inherent strength to the infrastructure. TMT Bars form the backbone of any infrastructure - from the homes we live in, to the offices, to the bridges and flyover we pass over during our commute. Build your most modern structures with FE 500D TMT bar to get superior strength and long life.

FE 500D TMT bar are used in structures like:

- BRIDGES
- DAMS
- CANALS
- FLYOVERS
- AIRPORT
- HIGH-RISE BUILDINGS
- INDUSTRIAL STRUCTURE
- CONCRETE ROAD



## STEEFO ADVANTAGES

Steefo TMT Bars are made using Thermex Technology certified with ISI, BIS and BRC Global Standards to ensure the best quality TMT Bars for our consumers.



STRONG GRIP WITH  
CONCRETE



HV TECHNOLOGY FOR  
BETTER STRENGTH



BETTER FLEXIBILITY



RUST PROTECTION



NO DEFECTS  
GUARENTEED



EARTHQUAKE RESISTANT



GREATER BOND



INTERNATIONAL STANDARDS



CORROSION RESISTANT



BETTER BENDABILITY



STRUCTURE STABILITY



GERMAN TECHNOLOGY



SIZE RANGING FROM 8 MM TO 40 MM

AVAILABLE GRADES

FE-500

FE-500 D

FE-550

FE-550 D

FE-600

FE-500 CRS

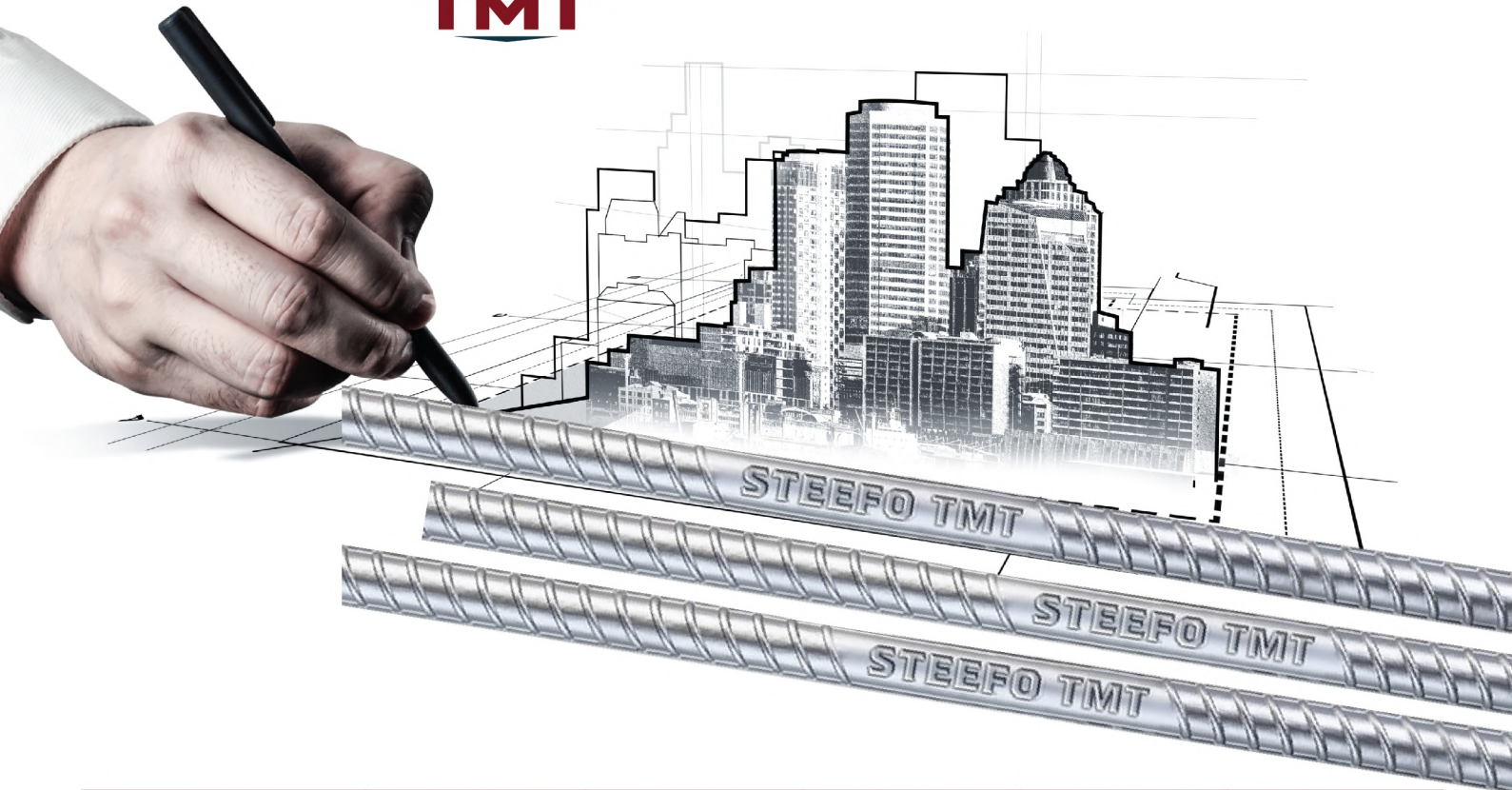
FE-500 D CRS

FE-550 D CRS

FE-600 CRS



# SABSE STRONG TMT



Grade	Fe-500		Fe-500 D		Fe-550		Fe-550 D		Fe-600	
	IS 1786:2008	STEEFO Fe500	IS 1786:2008	STEEFO Fe-500 D	IS 1786:2008	STEEFO Fe-550	IS 1786:2008	STEEFO Fe-550 D	IS 1786:2008	STEEFO Fe-600
<b>MECHANICAL PROPERTIES</b>										
0.20% Proof Stress/ Yield Stress Min. (N/mm <sup>2</sup> )	500	520	500	530	550	570	550	570	600	620
Tensile Stress Min.(N/mm <sup>2</sup> )	545	580	565	600	585	650	600	630	660	670
UTS/YS Ratio	-	1.12	1.10	1.12	-	-	1.08	1.1	1.06	1.08
Elongation % Min	12	18	16	18	10	15	14.5	16	10	12
Total Elongation% Min	-	5	5	7	-	-	5	6	-	-
<b>CHEMICAL PROPERTIES</b>										
C% Max.	0.300	0.250	0.250	0.250	0.300	0.250	0.250	0.240	0.250	0.250
S% Max.	0.055	0.050	0.040	0.040	0.055	0.040	0.040	0.040	0.040	0.040
P% Max.	0.055	0.050	0.040	0.040	0.050	0.040	0.040	0.040	0.040	0.040
S+P (%) Max.	0.105	0.100	0.075	0.075	0.105	0.080	0.075	0.075	0.075	0.075
CE%	0.420	0.420	0.420	0.420	-	-	0.420	0.420	0.420	0.420

Grade	Fe-500 CRS		Fe-500 D CRS		Fe-550 D CRS		Fe-600 CRS	
	IS 1786:2008	STEEFO Fe500 CRS	IS 1786:2008	STEEFO Fe-500 D CRS	IS 1786:2008	STEEFO Fe-550 D CRS	IS 1786:2008	STEEFO Fe-600 CRS
<b>MECHANICAL PROPERTIES</b>								
0.20% Proof Stress/ Yield Stress Min. (N/mm <sup>2</sup> )	500	530	500	520	550	570	600	620
Tensile Stress Min.(N/mm <sup>2</sup> )	545	580	560	600	585	630	660	670
UTS/YS Ratio	1.08	1.10	1.10	1.15	1.08	1.1	1.06	1.08
Elongation % Min	12	16	16	17	14.5	16	10	12
Total Elongation% Min	-	-	5	5	-	-	-	-
<b>CHEMICAL PROPERTIES</b>								
C% Max.	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150
S% Max.	0.055	0.050	0.040	0.040	0.040	0.040	0.040	0.040
P% Max.	0.120	0.120	0.080	0.080	0.120	0.080	0.120	0.085
Cu %	-	0.22-0.45	-	0.15-0.25	-	0.30	-	0.30
Cr %	-	0.22-0.45	-	0.35-0.45	-	0.50	-	0.50
CRE Value (Cu+Cr+P)% Min	0.40	0.500	0.40	0.500	0.53	0.45	0.53	0.45



**CONQUER THE WORLD WITH  
STRONG FOUNDATION**

Survey No 311, Tajpur Road Vill-Bhat, Changodar, Ahmedabad, Gujarat- 382210  
[www.steefotmt.com](http://www.steefotmt.com) | [info@steefotmt.com](mailto:info@steefotmt.com)  
**+91 95102 13663 | +91 95102 13664**

