


PRODUCT RANGE & SIZES OF TMT BARS


According to  12 Mtrs. length TMT Bundle Weight

TMT Size in mm	8	10	12	16	20	25	32
No. of Pieces	19	13	9	5	3	2	1
Min Weight (Kg.)	84	90	91	90	86	90	73
Max Weight (Kg.)	90	94	96	95	89	92	76




PROPERTIES (Grade IS:1786:2008)

Chemical Properties

Product	%C (Max)	%Mn (Max)	%S (Max)	%P (Max)	%(S+P) (Max)	CE (Max)
 IS 1786 Fe 550 D	0.25	0.75	0.040	0.040	0.075	0.45
INDOSTAR Fe 550D	0.18-0.23	0.75-1.00	0.025-0.035	0.025-0.035	0.060	0.30-0.43

Mechanical Properties

Product	YS (Mpa)	UTS (Mpa)	UTS/YS (Min)	%EL (Min)	Total %EL at Max Forces	Dia (mm)
 IS 1786 Fe 550 D	550	600	1.08	14.5	5	
INDOSTAR Fe 550D	580	690	1.18	18	7	8-32

Stability

The advanced rib patterns ensure a superior bond with concrete. This unique feature enhances the overall structural strength and stability of constructions.

Strength

Their ability to bear heavy loads and withstand extreme conditions ensures reliability, offering a strong foundation for structures.

Ductility

The exceptional ductility allows them to endure extreme pressure and stress without breaking, enabling easy shaping and customization.

Fire Resistant

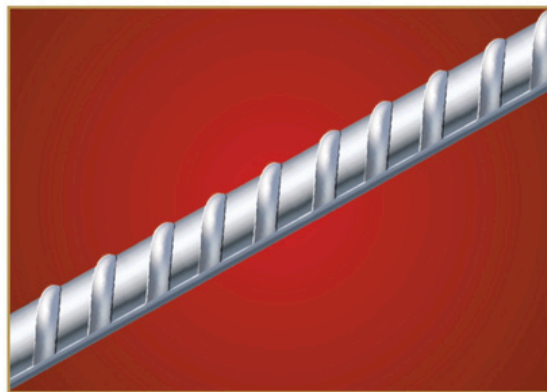
The quenching and self-tempering process at approximately 650°C forms a uniform and robust layer of tempered martensitic structure on the outer surface of the bar. This layer significantly enhances its ability to maintain strength and structural integrity even at elevated temperatures.

Corrosion Resistance

The high-grade anti-corrosive coating shields them from rust and environmental wear, prolonging their lifespan.



Tempcore Technology



Equal Rib Pattern



BIS Approved



ISO Certified



Green Pro



NABL Accredited

CRAFTED FROM PREMIUM BIS-CERTIFIED HOT ROLLED BILLETS

Forged using high-quality hot-rolled billets produced in-house, ensuring superior raw material integrity and unmatched quality.

PRECISION WITH ADVANCED ROLLING TECHNOLOGY

Manufactured in an automated, continuous straight-rolling mill, guarantees exceptional accuracy and uniformity.

REVOLUTIONARY GERMAN QUENCHING TECHNOLOGY

Enables INDOSTAR TMT Bars to endure permanent deformation without rupturing, providing remarkable strength and flexibility.

ENHANCED RIBS FOR SUPERIOR BONDING

The meticulously designed ribs ensure a stronger grip with concrete, enhancing the overall durability of the structure.



Fire
Resistance



Easy
Bendability



High
Strength



Excellence
Bonding



Super Seismic
Resistance



Corrosion
Resistance



Earthquake
Resistance

ACCURATE WEIGHT FOR MAXIMUM EFFICIENCY

Precision-engineered to meet exact weight standards, INDOSTAR TMT Bars gives both performance and value, reducing wastage and increasing cost-efficiency.

STRINGENT QUALITY CONTROL ENSURES OPTIMAL CHEMISTRY

Rigorous quality checks ensure the perfect balance of chemical properties, durability, and robustness for all construction needs.

BUILT FOR SEISMIC RESILIENCE

Designed with steady quality and advanced technology, INDOSTAR TMT Bars provides added safety and stability for construction in seismic zones.

SUPERIOR RESISTANCE TO PITTING CORROSION

Enhanced with superior anti-corrosion properties, INDOSTAR is built to last longer by effectively withstanding pitting.

COST-EFFECTIVE AND ECONOMICAL

Combining premium quality with affordability, INDOSTAR offers an economical solution for construction projects, delivering long-term value