



TITAN STEEL

TMT FE 550

BUILD STRENGTH, INSPIRE TRUST






About us

Vital B2B is an Indian subsidiary of vital solutions, a prominent steel and metals company with a global presence. Headquartered in Singapore, we have established ourselves as a trusted financial partner in the business industry. With a global footprint, in addition to India, we serve several regions including the United States, United Kingdom, Japan, China Korea, Australia, Bangladesh, etc

With our extensive network and strategic partnerships, we ensure a reliable supply chain and prompt delivery of high-quality steel to our clients. We strive to exceed expectations by delivering tailored solutions, exceptional service, and competitive pricing. As a responsible player in the steel & metals supply chain, we prioritize sustainability and environmental stewardship in all aspects of our operations.



Mission

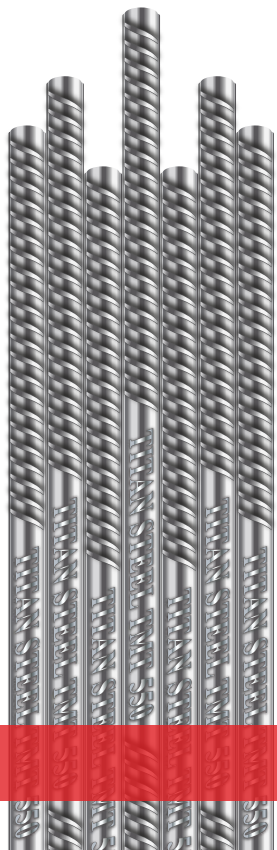
"To deliver high-quality steel products that ensure strength, safety, and sustainability in construction."

Vision

To be the leading and most trusted provider of tmt rebar, driving innovation in the construction industry while upholding the highest standards of quality, customer satisfaction, and environmental stewardship. We strive to shape a world where every structure built with titan tmt reinforces a legacy of strength and longevity.

Chemical and Mechanical Properties of our Rebars :

Rebar Grade	Tital Steel Fe 550	Unit
Carbon	0.30	%
Manganese	0.50 - 0.65	%
Sulphur (Max)	0.055	%
Phosphorous (Max)	0.055	%
Silicon	0.15-0.25	%
Sulphur + Phosphorous (Max)	0.100	%
Carbon Equivalent (Ce) Max	0.42	%
Yield Stress (N/mm^2) (Min)	550	N/mm^2
Elongation (Min)	10	%
Ultimate Tensile Strength (N/mm^2) (Min)	585	N/mm^2
TS/YS Ratio	1.10	



Size Range

Dia meter (mm)	Minimum Weight (Kg/m)	Normal Weight (Kg/m)	Maximum Weight (Kg/m)	Length per Rod (m)	Typical Weight per Rod (Kg)	Tolerance in Section Weight (%)
8	0.367	0.395	0.423	12.2	4.740	7%
10	0.574	0.617	0.660	12.2	7.404	7%
12	0.844	0.888	0.932	12.2	10.656	5%
16	1.501	1.578	1.657	12.2	18.936	5%
20	2.392	2.466	2.540	12.2	29.592	3%
25	3.738	3.854	3.970	12.2	46.248	3%
32	6.120	6.310	6.499	12.2	75.720	3%



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Vital B2B Pvt. Ltd.

B-1111, 11th Floor, Signature Towers, Brigade Golden Triangle, Huskur Village,
Bidarahalli Hobli, Bengaluru - 560 049.

Email: steel@titansteel.co.in

www.titansteel.co.in

***Produced in an ISO Certified & BIS Approved Facility.**