



JINDAL
STEEL



JINDAL
PANTHER[®]
TMT REBARS



Jindal Panther Fe600

Fe600 TMT Rebars are the preferred choice for both residential and commercial construction projects. They are used not only in conventional projects but also in demanding endeavours such as airports, metros, bridges, highways, high-rise buildings, dams, and nuclear power plants. Their enhanced elongation percentage makes them particularly suitable for earthquake-prone regions, ensuring both safety and durability.

Jindal Panther TMT Rebars, are produced in-house in our primary and integrated steel plant at Angul and Patratu.

Benefits

- ◆ Lower steel consumption
- ◆ Superior mechanical properties
- ◆ Cost saving
- ◆ Good bond strength
- ◆ Strong structure

Availability

- ◆ 8 mm
- ◆ 10 mm
- ◆ 12 mm
- ◆ 16 mm
- ◆ 20 mm
- ◆ 25 mm
- ◆ 28 mm
- ◆ 32 mm
- ◆ 36 mm
- ◆ 40 mm
- ◆ 45 mm
- ◆ 50 mm

Jindal Steel is a primary and integrated steel producer, ensuring clean steel with very low levels of detrimental sulphur and phosphorus and minimal gaseous content. Consequently, the TMT produced has negligible internal defects and impurities.

Our Jindal Panther TMT Rebars are suitable for use in extreme environments, including marine, coastal, and saline conditions, as well as in high seismic zones.

Jindal Panther TMT Rebars: Chemistry and Mechanical Properties

Jindal Panther Fe600 Material characteristics

Parameters	BIS STD Fe500 D	BIS STD Fe550 D	BIS STD Fe600	JINDAL PANTHER Fe600
%Carbon	0.25	0.25	0.30	0.30
%Sulphur (Max)	0.04	0.04	0.04	0.03
%Phosphorus (Max)	0.04	0.04	0.04	0.03
%Sulphur + %Phosphorus (Max)	0.075	0.075	0.075	0.055
%Carbon Equivalent (CE)	0.50	0.61	-	-
Yield Strength(Mpa) Min.	500	550	600	600
Tensile Strength(Mpa) Min.	565	600	660	690
%Elongation (Min)	16.0	14.5	10.0	14.5
UTS/YS Ratio (Min)	1.10	1.08	1.06	1.10

Applications of Jindal Panther Fe600 TMT Rebars

Jindal Panther Fe600 TMT Rebars with enhanced strength and superior ductility can be used for following applications:

- ◆ Bridges
- ◆ Buildings
- ◆ Retaining walls
- ◆ Marine projects
- ◆ Underground projects
- ◆ Precast

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