



Products / **Chemical & Mechanical Properties**

CHEMICAL PROPERTIES

Elements	IS 1786 - Fe500
Carbon	0.30 (Max)
Sulphur	0.055 (Max)
Manganese	0.75 (Max)
Phosphorus	0.055 (Max)
Carbon Equivalent	0.42 (Max)
Nitrogen	0.012 (Max)

Note: For guaranteed weldability, Carbon equivalent (CE) not to exceed 0.42%

MECHANICAL PROPERTIES

Mechanical Properties	Unit	IS 1786 Fe500	KISCOL Fe500
Yield stress Min	N / mm ²	500 min	540 min
Tensile Strength N/mm, Min	N / mm ²	545 min or 8% over YS	600 min
Elongation, Min %	% min	12% min	14% min

COMPARITIVE CHART WITH ISI STANDARD 500

ISI STANDARD				KISCOL TMT	
Size	Specified weight gm/m	Tolerance limit gm/m	Permissible Wt. Variation gm/m	Weight Tolerance gm/m	Weight Variation gm/m
8mm	395	367 - 423	56	371 - 395	24
10mm	617	574 - 660	86	580 - 617	37
12mm	888	844 - 932	88	852 - 888	36
16mm	1580	1500 - 1659	158	1516 - 1580	64
20mm	2470	2396 - 2544	148	2408 - 2470	62
25mm	3850	3735 - 3965	230	3753 - 3850	97
32mm	6310	6121 - 6499	378	6152 - 6310	158

KNOW ABOUT KISCOL FE500 TMT RODS

ABOUT US

KISCOL is amongst the largest TMT bar manufacturer in Tamilnadu headquartered at Coimbatore.

Established in year of 2000 Manufacturer & Supplier of High Quality TMT bars & Alloy Steel. Also engaged in Textile and Wind farms.

CSR

KISCOL works closely with the organizations supporting the rural development, in a multitude of activities covering more villages. Our approach has been to enhance prosperity in the community by empowering the people, working together with them as partners, building their skills and capabilities, and putting the local resources to the best use for a sustainable development.

MEDIA RELEASE

KISCOL TMT BARS TA...



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