



## STEEL SAVINGS CHART



		6MM ROD	MM <b>TRICON</b>	7MM ROD	6MM <b>TRICON</b>	8MM TMT	7MM <b>TRICON</b>	10MM TMT	8.7MM <b>TRICON</b>	12MM TMT	10.45MM <b>TRICON</b>
BIS SPECIFICATION		IS1786	IS1786	IS1786	IS1786	IS1786	IS1786	IS1786	IS1786	IS1786	IS1786
GRADE OF IS:1786('85)		Fe415	<b>Fe550</b>	Fe415	<b>Fe550</b>	Fe415	<b>Fe550</b>	Fe415	<b>Fe550</b>	Fe415	<b>Fe550</b>
SIZE	mm	6.0	<b>5.0</b>	7.0	<b>6.0</b>	8.0	<b>7.0</b>	10.0	<b>8.7</b>	12.0	<b>10.45</b>
ACTUAL SIZE	min mm	6.0	<b>5.0</b>	7.0	<b>6.0</b>	8.0	<b>6.91</b>	10.0	<b>8.5</b>	12.0	<b>10.3</b>
AREA	mm <sup>2</sup>	28.26	<b>19.63</b>	38.47	<b>28.26</b>	50.24	<b>37.48</b>	78.50	<b>56.72</b>	113.04	<b>83.28</b>
WEIGHT	gram/mtr	222	<b>154</b>	302	<b>222</b>	395	<b>295</b>	617	<b>446</b>	888	<b>655</b>
LENGTH	mtr/kg	4.5	<b>6.5</b>	3.3	<b>4.5</b>	2.53	<b>3.39</b>	1.62	<b>2.24</b>	1.13	<b>1.53</b>
EQVL WT	MT	10	<b>6.9</b>	10	<b>7.3</b>	10	<b>7.5</b>	10	<b>7.2</b>	10	<b>7.4</b>
PROOF STRESS	N/mm <sup>2</sup> min	415	<b>550</b>	415	<b>550</b>	415	<b>550</b>	415	<b>550</b>	415	<b>550</b>
BREAKING LOAD	kgs	1070	<b>1150</b>	1539	<b>1654</b>	2011	<b>2309</b>	3454	<b>3457</b>	4970	<b>5069</b>
TENSILE STRENGTH	N/mm <sup>2</sup> min	485	<b>585</b>	485	<b>585</b>	485	<b>585</b>	485	<b>585</b>	485	<b>585</b>
ELONGATION	%	14.5	<b>8</b>	14.5	<b>8</b>	14.5	<b>8</b>	14.5	<b>8</b>	14.5	<b>8</b>
<b>SAVINGS IN STEEL</b>	%		<b>30.6</b>		<b>26.5</b>		<b>25.4</b>		<b>27.8</b>		<b>26.3</b>