

SHRI LAKSHMI STEEL SUPPLIERS

Properties of SHS AS PER IS : 4923

| SHS DXB | Thickness | Sec Area | Unit Wt | Outer Surface |
|---------------|-----------|----------|---------|---------------|
| mm | t | A | W | Area per m |
| | mm | cm2 | kg/m | m2 |
| 25 x 25 | 1.6 | 1.43 | 1.12 | 0.092 |
| | 2 | 1.74 | 1.36 | 0.090 |
| | 2.6 | 2.16 | 1.69 | 0.087 |
| | 3.2 | 2.53 | 1.98 | 0.084 |
| 32 x 32 | 2.0 | 2.3 | 1.8 | 0.118 |
| | 2.6 | 2.88 | 2.26 | 0.115 |
| | 3.2 | 3.42 | 2.69 | 0.112 |
| 38 X 38 | 2.6 | 3.72 | 2.92 | 0.147 |
| | 2.9 | 4.09 | 3.21 | 0.145 |
| | 3.2 | 4.45 | 3.49 | 0.144 |
| | 4.0 | 5.35 | 4.2 | 0.139 |
| 49.5 x 49.5 | 2.6 | 4.70 | 3.69 | 0.185 |
| | 2.9 | 5.19 | 4.07 | 0.183 |
| | 3.6 | 6.28 | 4.93 | 0.179 |
| | 4.5 | 7.58 | 5.95 | 0.175 |
| 60 x 60 | 2.6 | 5.80 | 4.55 | 0.227 |
| | 2.9 | 6.41 | 5.03 | 0.225 |
| | 3.2 | 7.01 | 5.50 | 0.224 |
| | 4.0 | 8.55 | 6.71 | 0.219 |
| | 4.8 | 10.01 | 7.85 | 0.215 |
| 72 x 72 | 3.2 | 8.54 | 6.71 | 0.272 |
| | 4 | 10.47 | 8.22 | 0.267 |
| | 4.8 | 12.31 | 9.66 | 0.263 |
| 80 x 80 | 3.2 | 9.57 | 7.51 | 0.304 |
| | 4.0 | 11.75 | 9.22 | 0.299 |
| | 4.8 | 13.85 | 10.87 | 0.295 |
| 91.5 x 91.5 | 3.6 | 12.32 | 9.67 | 0.347 |
| | 4.5 | 15.4 | 11.88 | 0.343 |
| | 5.4 | 17.85 | 14.01 | 0.338 |
| 100 x 100 | 4.0 | 14.95 | 11.73 | Nil |
| | 5.0 | 18.36 | 14.41 | Nil |
| | 6.0 | 21.63 | 16.98 | Nil |
| 113.5 x 113.5 | 4.8 | 20.28 | 15.92 | 0.429 |
| | 5.4 | 22.60 | 17.74 | 0.426 |
| 132 x 132 | 4.8 | 23.83 | 16.71 | 0.503 |
| | 5.4 | 26.59 | 20.88 | 0.500 |
| 150 x 150 | 4.0 | 22.95 | 18.01 | 0.579 |
| | 5.0 | 28.36 | 22.26 | 0.574 |
| | 6.0 | 33.63 | 26.40 | 0.569 |
| | 7.0 | 38.78 | 30.44 | 0.564 |
| | 8.0 | 43.79 | 44.38 | 0.559 |
| 180 x 180 | 4.0 | 27.75 | 21.78 | 0.699 |
| | 5.0 | 43.36 | 26.97 | 0.694 |

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|------------|-----|-------|-------|-------|
| | 6.0 | 40.83 | 32.05 | 0.689 |
| | 7.0 | 47.18 | 33.03 | 0.684 |
| | 8.0 | 53.39 | 41.91 | 0.679 |
| | | | | |
| 220 x 220* | 4.0 | 34.15 | 26.61 | 0.859 |
| | 5.0 | 42.36 | 33.25 | 0.854 |
| | 6.0 | 50.43 | 39.59 | 0.849 |
| | 7.0 | 58.38 | 45.83 | 0.844 |
| | 8.0 | 66.19 | 51.96 | 0.839 |
| | | | | |
| 250 x 250* | 4.0 | 38.95 | 30.57 | 0.979 |
| | 5.0 | 48.36 | 37.96 | 0.974 |
| | 6.0 | 57.63 | 45.24 | 0.969 |
| | 7.0 | 66.78 | 52.42 | 0.964 |
| | 8.0 | 75.79 | 59.50 | 0.959 |

TOLERANCE

1) THICKNESS : + - 10%

2) Outside Dimensions of Sides: +-1 mm

3) Weight on Individual Lengths : + 10% – 8%

GRADE: YST 210, 240, 310, 350