



M/s. Chhaganlal Dharamchand Shah

STEEL TUBES FOR STRUCTURAL PURPOSES CONFORMING TO IS : 1161 : 1998

| N.B | SERIES | OUTER DIAMETER MM | Thickness | Nominal Weight | | Calculated Nominal Weight | |
|-----|--------|-------------------------|-----------|----------------|--------------|---------------------------|--------------|
| | | | | Black Tube | Plain | Galvanized Tubes | Plain End |
| | | | | Kg/M | Meters/Tonne | Kg/M | Meters/Tonne |
| 15 | L | 21.3 | 2 | 0.947 | 1056 | 1 | 1000 |
| | M | | 2.6 | 1.21 | 826 | 1.26 | 794 |
| | H | | 3.2 | 1.44 | 694 | 1.49 | 671 |
| 20 | L | 26.9 | 2.3 | 1.38 | 725 | 1.43 | 699 |
| | M | | 2.6 | 1.56 | 641 | 1.61 | 621 |
| | H | | 3.2 | 1.87 | 535 | 1.92 | 521 |
| 25 | L | 33.7 | 2.6 | 1.98 | 505 | 2.03 | 493 |
| | M | | 3.2 | 2.41 | 415 | 2.46 | 407 |
| | H | | 4 | 2.93 | 341 | 2.98 | 336 |
| 32 | L | 42.4 | 2.6 | 1.54 | 649 | 2.62 | 382 |
| | M | | 3.2 | 3.1 | 323 | 3.18 | 314 |
| | H | | 4 | 3.79 | 264 | 3.87 | 258 |
| 40 | L | 48.3 | 2.9 | 3.23 | 310 | 3.34 | 299 |
| | M | | 3.2 | 3.56 | 281 | 3.67 | 272 |
| | H | | 4 | 4.37 | 229 | 4.48 | 223 |

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|-----|---|-------|-----|-------|-----|-------|-----|
| 50 | L | 60.3 | 2.9 | 4.08 | 245 | 4.2 | 238 |
| | M | | 3.2 | 5.03 | 199 | 5.15 | 194 |
| | H | | 4 | 6.19 | 162 | 6.31 | 158 |
| 65 | L | 76.1 | 3.2 | 5.71 | 175 | 5.86 | 171 |
| | M | | 3.6 | 6.42 | 156 | 6.57 | 152 |
| | H | | 4.5 | 7.93 | 126 | 8.1 | 123 |
| 80 | L | 88.9 | 3.2 | 6.72 | 149 | 6.9 | 145 |
| | M | | 4 | 8.36 | 120 | 8.54 | 117 |
| | H | | 4.8 | 9.9 | 101 | 10.08 | 99 |
| 90 | L | 101.6 | 3.6 | 8.7 | 115 | 8.97 | 111 |
| | M | | 4 | 9.63 | 104 | 7.2 | 139 |
| | H | | 4.8 | 11.9 | 84 | 11.77 | 85 |
| 100 | L | 114.3 | 3.6 | 9.75 | 103 | 9.97 | 100 |
| | M | | 4.5 | 12.2 | 82 | 12.42 | 81 |
| | H | | 5.4 | 14.5 | 69 | 14.72 | 68 |
| 110 | L | 127 | 4.5 | 13.6 | 74 | 13.9 | 72 |
| | M | | 4.8 | 14.5 | 69 | 14.8 | 68 |
| | H | | 5.4 | 16.2 | 62 | 16.3 | 61 |
| 125 | L | 139.7 | 4.5 | 15 | 67 | 15.25 | 66 |
| | M | | 4.8 | 15.9 | 63 | 16.15 | 62 |
| | H | | 5.4 | 17.9 | 56 | 18.15 | 55 |
| 135 | L | 152.4 | 4.5 | 16.4 | 61 | 16.78 | 60 |
| | M | | 4.8 | 17.5 | 57 | 17.88 | 56 |
| | H | | 5.4 | 19.6 | 51 | 19.98 | 50 |
| 150 | L | 165.1 | 4.5 | 17.8 | 56 | 18.2 | 55 |
| | M | | 4.8 | 18.9 | 53 | 19.8 | 51 |
| | H | | 5.4 | 21.3 | 47 | 21.7 | 46 |
| | | | 4 | 16.30 | 61 | - | |
| | | | 4.5 | 18.28 | 55 | - | |

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|------|-------|------|-------|----|---|--|
| 150 | 168.3 | 5 | 20.25 | 49 | - | |
| | | 5.2 | 21.04 | 48 | - | |
| | | 5.4 | 21.82 | 46 | - | |
| | | 5.6 | 22.60 | 44 | - | |
| | | 6 | 24.15 | 41 | - | |
| | | 6.35 | 25.51 | 39 | - | |
| | | 7 | 28.01 | 36 | - | |
| 175 | 193.7 | 4 | 18.82 | 53 | - | |
| | | 4.5 | 21.12 | 47 | - | |
| | | 5 | 23.40 | 43 | - | |
| | | 5.2 | 24.31 | 41 | - | |
| | | 5.4 | 25.22 | 40 | - | |
| | | 5.6 | 26.13 | 38 | - | |
| | | 6 | 27.93 | 36 | - | |
| 6.35 | 29.51 | 34 | - | | | |
| 7 | 32.42 | 31 | - | | | |
| 200 | 219.1 | 4 | 21.34 | 47 | - | |
| | | 4.5 | 23.95 | 42 | - | |
| | | 5 | 26.55 | 38 | - | |
| | | 5.2 | 27.59 | 36 | - | |
| | | 5.4 | 28.62 | 35 | - | |
| | | 5.6 | 29.66 | 34 | - | |
| | | 6 | 31.71 | 32 | - | |
| | | 6.35 | 33.51 | 30 | - | |
| | | 7 | 36.83 | 27 | - | |
| 8 | 41.89 | 24 | - | | | |
| | | 4 | 26.69 | 37 | - | |
| | | 4.5 | 29.97 | 33 | - | |
| | | 5 | 33.24 | 30 | - | |

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|-----|-------|------|-------|----|---|--|
| 250 | 273 | 5.2 | 34.54 | 29 | - | |
| | | 5.4 | 35.84 | 28 | - | |
| | | 5.6 | 37.14 | 27 | - | |
| | | 6 | 39.74 | 25 | - | |
| | | 6.35 | 42.00 | 24 | - | |
| | | 7 | 46.19 | 22 | - | |
| | | 8 | 52.59 | 19 | - | |
| 300 | 323 | 4.5 | 35.55 | 28 | - | |
| | | 5 | 39.44 | 25 | - | |
| | | 5.2 | 40.99 | 24 | - | |
| | | 5.4 | 42.54 | 24 | - | |
| | | 5.6 | 44.09 | 23 | - | |
| | | 6 | 47.18 | 21 | - | |
| | | 6.35 | 49.87 | 20 | - | |
| | | 7 | 54.87 | 18 | - | |
| | | 8 | 62.51 | 16 | - | |
| | | 9.35 | 72.74 | 14 | - | |
| 350 | 355.6 | 4.5 | 39.19 | 26 | - | |
| | | 5 | 43.48 | 23 | - | |
| | | 5.2 | 45.20 | 22 | - | |
| | | 5.4 | 46.91 | 21 | - | |
| | | 5.6 | 48.62 | 21 | - | |
| | | 6 | 52.03 | 19 | - | |
| | | 6.35 | 55.01 | 18 | - | |
| | | 7 | 60.53 | 17 | - | |
| | | 8 | 68.98 | 14 | - | |
| | | 9.35 | 80.30 | 12 | - | |
| | | 5 | 49.78 | 20 | - | |
| | | 5.2 | 51.75 | 19 | - | |

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| 400 | 406.4 | 5.4 | 53.71 | 19 | - | |
| | | 5.6 | 55.67 | 18 | - | |
| | | 6 | 59.59 | 17 | - | |
| | | 6.35 | 63.01 | 16 | - | |
| | | 7 | 69.35 | 14 | - | |
| | | 8 | 79.06 | 13 | - | |
| | | 9.35 | 92.08 | 11 | - | |
| 450 | 457.2 | 5 | 56.08 | 18 | - | |
| | | 5.2 | 58.30 | 17 | - | |
| | | 5.4 | 60.52 | 17 | - | |
| | | 5.6 | 62.73 | 16 | - | |
| | | 6 | 67.15 | 15 | - | |
| | | 6.35 | 71.01 | 14 | - | |
| | | 7 | 78.17 | 13 | - | |
| | | 8 | 89.14 | 11 | - | |
| 9.35 | 103.87 | 10 | - | | | |
| 500 | 508 | 5 | 62.38 | 16 | - | |
| | | 5.2 | 64.85 | 15 | - | |
| | | 5.4 | 67.32 | 15 | - | |
| | | 5.6 | 69.79 | 14 | - | |
| | | 6 | 74.71 | 13 | - | |
| | | 6.35 | 79.01 | 13 | - | |
| | | 7 | 86.99 | 11 | - | |
| | | 8 | 99.22 | 10 | - | |
| 9.35 | 115.65 | 9 | - | | | |