



SHREE MARUTINANDAN TUBES LIMITED

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I.S.1239 [PART - 1] - 1990
DIMENSION & NOMINAL WEIGHT OF BLACK & G.I. STEEL TUBES

| N.B. AND SERIES | MEAN OUTSIDE DIAMETER | WALL THICKNESS | | | NORMINAL WEIGHT BLACK TUBES | | | | CALCULATED NORMINAL WEIGHT GI | | | | PCS (6.1M) PER TON OF GI SCREWED | SOCKETS | | WIDTH OF THE STRIPS IN MM |
|-----------------|-----------------------|----------------|------|------|-----------------------------|-------------|------------------|-------------|-------------------------------|-------------|------------------|-------------|----------------------------------|----------|-----------|---------------------------|
| | | | | | PLAIN END | | SREWED & SOCKETS | | PLAIN END | | SREWED & SOCKETS | | | OD IN MM | LENGTH MM | |
| | | | | | KG/M | MTRS / TONE | KG/M | MTRS / TONE | KG/M | MTRS / TONE | KG/M | MTRS / TONE | | | | |
| MM | M.M | M.M | SWG | KG/M | MTRS / TONE | KG/M | MTRS / TONE | KG/M | MTRS / TONE | KG/M | MTRS / TONE | KG/M | MTRS / TONE | | | |
| 15 | LIGHT | 21.20 | 2.00 | 14 | 0.947 | 1056 | 0.956 | 1046 | 0.994 | 1006 | 1.00 | 996 | 163 | 27.00 | 37.00 | 64 |
| | MEDIUM | 21.40 | 2.60 | 12 | 1.21 | 826 | 1.22 | 820 | 1.26 | 794 | 1.27 | 787 | 129 | | | 63 |
| | HEAVY | 21.40 | 3.20 | 10 | 1.44 | 694 | 1.45 | 690 | 1.50 | 667 | 1.51 | 662 | 109 | | | 61 |
| 20 | LIGHT | 26.65 | 2.30 | 13 | 1.38 | 725 | 1.39 | 719 | 1.45 | 690 | 1.46 | 685 | 112 | 32.50 | 39.00 | 82 |
| | MEDIUM | 26.90 | 2.60 | 12 | 1.56 | 641 | 1.57 | 637 | 1.63 | 613 | 1.64 | 610 | 100 | | | 81 |
| | HEAVY | 26.90 | 3.20 | 10 | 1.87 | 535 | 1.88 | 532 | 1.94 | 515 | 1.95 | 513 | 84 | | | 81 |
| 25 | LIGHT | 33.50 | 2.60 | 12 | 1.98 | 505 | 2 | 500 | 2.08 | 481 | 2.10 | 476 | 78 | 39.50 | 46.00 | 102 |
| | MEDIUM | 33.75 | 3.20 | 10 | 2.41 | 415 | 2.43 | 412 | 2.52 | 397 | 2.54 | 394 | 65 | | | 101 |
| | HEAVY | 33.75 | 4.00 | 8 | 2.93 | 341 | 2.95 | 339 | 3.05 | 328 | 3.07 | 326 | 53 | | | 99 |
| 32 | LIGHT | 42.20 | 2.60 | 12 | 2.54 | 394 | 2.57 | 389 | 2.67 | 375 | 2.70 | 370 | 61 | 49.00 | 51.00 | 128 |
| | MEDIUM | 42.45 | 3.20 | 10 | 3.1 | 323 | 3.13 | 319 | 3.24 | 309 | 3.27 | 306 | 50 | | | 127 |
| | HEAVY | 42.45 | 4.00 | 8 | 3.79 | 264 | 3.82 | 262 | 3.94 | 254 | 3.97 | 252 | 41 | | | 125 |
| 40 | LIGHT | 48.10 | 2.90 | 11 | 3.23 | 310 | 3.27 | 306 | 3.39 | 295 | 3.43 | 291 | 48 | 56.00 | 51.00 | 147 |
| | MEDIUM | 48.35 | 3.20 | 10 | 3.56 | 281 | 3.6 | 278 | 3.72 | 269 | 3.76 | 266 | 44 | | | 146 |
| | HEAVY | 48.35 | 4.00 | 8 | 4.37 | 229 | 4.41 | 227 | 4.54 | 220 | 4.59 | 218 | 36 | | | 145 |
| 50 | LIGHT | 59.90 | 2.90 | 11 | 4.08 | 245 | 4.15 | 241 | 4.28 | 234 | 4.36 | 229 | 38 | 68.00 | 60.00 | 184 |
| | MEDIUM | 60.25 | 3.60 | 9 | 5.03 | 199 | 5.1 | 196 | 5.26 | 190 | 5.33 | 188 | 31 | | | 182 |
| | HEAVY | 60.25 | 4.50 | 7 | 6.19 | 162 | 6.26 | 160 | 6.44 | 155 | 6.51 | 154 | 25 | | | 180 |
| 65 | LIGHT | 75.60 | 3.20 | 10 | 5.71 | 175 | 5.83 | 172 | 6.00 | 167 | 6.12 | 163 | 27 | 84.00 | 69.00 | 234 |
| | MEDIUM | 75.95 | 3.60 | 9 | 6.42 | 156 | 6.54 | 153 | 6.71 | 149 | 6.83 | 146 | 24 | | | 232 |
| | HEAVY | 75.95 | 4.50 | 7 | 7.93 | 126 | 8.05 | 124 | 8.29 | 121 | 8.37 | 119 | 20 | | | 230 |
| 80 | LIGHT | 88.30 | 3.20 | 10 | 6.72 | 149 | 6.89 | 145 | 7.06 | 142 | 7.23 | 138 | 23 | 98.00 | 75.00 | 274 |
| | MEDIUM | 88.75 | 4.00 | 8 | 8.36 | 120 | 8.53 | 117 | 8.74 | 114 | 8.91 | 112 | 18 | | | 272 |
| | HEAVY | 88.75 | 4.80 | 6 | 9.90 | 101 | 10.40 | 96 | 10.30 | 97 | 10.82 | 92 | 15 | | | 270 |
| 100 | LIGHT | 113.45 | 3.60 | 9 | 9.75 | 103 | 10.00 | 100 | 10.40 | 98 | 10.50 | 95 | 16 | 124.00 | 87.00 | 355 |
| | MEDIUM | 114.05 | 4.50 | 7 | 12.20 | 82 | 12.50 | 80 | 12.75 | 78 | 13.07 | 76 | 13 | | | 352 |
| | HEAVY | 114.05 | 5.40 | 5 | 14.50 | 69 | 14.80 | 68 | 15.08 | 66 | 15.39 | 65 | 11 | | | 350 |
| 125 | MEDIUM | 139.65 | 4.80 | 6 | 15.90 | 63 | 16.40 | 61 | 16.62 | 60 | 17.14 | 58 | 10 | 151.00 | 96.00 | 434 |
| | HEAVY | 139.65 | 5.40 | 5 | 17.90 | 56 | 18.40 | 54 | 18.62 | 54 | 19.14 | 52 | 9 | | | 432 |
| 150 | MEDIUM | 165.20 | 4.80 | 6 | 18.90 | 53 | 19.50 | 51 | 19.75 | 51 | 20.38 | 49 | 8 | 178.00 | 96.00 | 515 |
| | HEAVY | 165.20 | 5.40 | 5 | 21.30 | 47 | 21.90 | 46 | 22.15 | 45 | 22.78 | 44 | 7 | | | 513 |

STANDARD TOLERANCE

| A) THICKNESS : | B) WEIGHT : | C) LENGTH |
|---|--|--|
| <p>1 LIGHT TUBES + NOT LIMITED - 8 PERCENT</p> <p>2 MEDIUM & HEAVY TUBES + NOT LIMITED - 10 PERCENT</p> | <p>1 SINGLE TUBES (LIGHT SERIES) +10 PERCENT -8 PERCENT</p> <p>2 SINGLE TUBES (MEDIUM & HEAVY TUBES) ± 10 PERCENT</p> <p>3 FOR QUANTITIES PER LOAD OF 10 TONNES MINIMUM (LIGHT SERIEIS) ± 5 PERCENT</p> <p>4 FOR QUANTITIES PER LOAD OF 10 TONNES MINIMUM (MEDIUM & HEAVY) ± 7.5 PERCENT</p> | <p>UNLESS OTHERWISE SPECIFIED 4 TO 7 MTR</p> <p>ASPL</p> <p>TRADE MARK Jindal MARK</p> |