

# SQUARE TUBING

## SABS/SANS 657 PART 1



| SIZE<br>OUTSIDE DIMENSION<br>mm | WALL<br>mm | KILOGRAMS<br>per metre |
|---------------------------------|------------|------------------------|
| 12,7 x 12,7                     | 1,6        | 0,560                  |
|                                 |            |                        |
| 15,9 x 15,9                     | 1,6        | 0,730                  |
|                                 |            |                        |
| 19,1 x 19,1                     | 1,6        | 0,940                  |
| 19,1 x 19,1                     | 2,0        | 1,150                  |
|                                 |            |                        |
| 25,4 x 25,4                     | 1,6        | 1,200                  |
| 25,4 x 25,4                     | 2,0        | 1,480                  |
| 25,4 x 25,4                     | 2,5        | 1,820                  |
| 25,4 x 25,4                     | 3,0        | 2,260                  |
|                                 |            |                        |
| 30,0 x 30,0                     | 1,6        | 1,430                  |
| 30,0 x 30,0                     | 2,0        | 1,770                  |
| 30,0 x 30,0                     | 2,5        | 2,190                  |
| 30,0 x 30,0                     | 3,0        | 2,260                  |
|                                 |            |                        |
| 31,8 x 31,8                     | 1,6        | 1,510                  |
| 31,8 x 31,8                     | 2,0        | 1,870                  |
| 31,8 x 31,8                     | 2,5        | 2,130                  |
| 31,8 x 31,8                     | 3,0        | 2,600                  |
| 31,8 x 31,8                     | 4,0        | 3,780                  |
|                                 |            |                        |
| 38,1 x 38,1                     | 1,6        | 1,830                  |
| 38,1 x 38,1                     | 2,0        | 2,270                  |
| 38,1 x 38,1                     | 2,5        | 2,800                  |
| 38,1 x 38,1 *                   | 3,0        | 3,330                  |
| 38,1 x 38,1 *                   | 4,0        | 4,390                  |
| 38,1 x 38,1 *                   | 4,5        | 4,880                  |
|                                 |            |                        |
| 40,0 x 40,0                     | 1,6        | 1,940                  |
| 40,0 x 40,0                     | 2,0        | 2,400                  |
| 40,0 x 40,0                     | 2,5        | 2,980                  |
| 40,0 x 40,0                     | 3,0        | 3,530                  |
| 40,0 x 40,0                     | 4,0        | 4,390                  |
| 40,0 x 40,0                     | 4,5        | 4,880                  |
|                                 |            |                        |
| 44,5 x 44,5                     | 1,6        | 2,190                  |
| 44,5 x 44,5                     | 2,0        | 2,720                  |
| 44,5 x 44,5                     | 2,5        | 3,360                  |
| 44,5 x 44,5                     | 3,0        | 4,000                  |
| 44,5 x 44,5                     | 4,0        | 5,248                  |

| SIZE<br>OUTSIDE DIMENSION<br>mm | WALL<br>mm | KILOGRAMS<br>per metre |
|---------------------------------|------------|------------------------|
| 50,8 x 50,8                     | 1,6        | 2,440                  |
| 50,8 x 50,8                     | 2,0        | 3,030                  |
| 50,8 x 50,8                     | 2,5        | 3,760                  |
| 50,8 x 50,8                     | 3,0        | 4,470                  |
| 50,8 x 50,8                     | 3,5        | 5,170                  |
| 50,8 x 50,8                     | 4,0        | 5,860                  |
| 50,8 x 50,8                     | 4,5        | 6,540                  |
| 50,8 x 50,8                     | 5,0        | 1,230                  |
|                                 |            |                        |
| 57,2 x 57,2                     | 1,6        | 2,940                  |
| 57,2 x 57,2                     | 2,0        | 3,660                  |
| 57,2 x 57,2                     | 3,0        | 5,420                  |
|                                 |            |                        |
| 60,0 x 60,0                     | 1,6        | 2,940                  |
| 60,0 x 60,0                     | 2,0        | 3,650                  |
| 60,0 x 60,0                     | 2,5        | 4,534                  |
| 60,0 x 60,0                     | 3,0        | 5,400                  |
| 60,0 x 60,0                     | 3,5        | 6,200                  |
| 60,0 x 60,0                     | 4,0        | 7,105                  |
| 60,0 x 60,0                     | 4,5        | 7,950                  |
| 60,0 x 60,0                     | 5,0        | 8,770                  |
|                                 |            |                        |
| 61,0 x 61,0                     | 1,6        | 2,940                  |
| 61,0 x 61,0                     | 1,6        | 2,940                  |
| 61,0 x 61,0                     | 2,0        | 3,660                  |
| 61,0 x 61,0                     | 3,0        | 5,420                  |
| 61,0 x 61,0                     | 3,5        | 6,270                  |
| 61,0 x 61,0                     | 4,5        | 7,960                  |
| 61,0 x 61,0                     | 5,0        | 8,780                  |
|                                 |            |                        |
| 63,5 x 63,5                     | 1,6        | 2,940                  |
| 63,5 x 63,5                     | 2,0        | 3,820                  |
| 63,5 x 63,5                     | 2,5        | 4,774                  |
| 63,5 x 63,5                     | 3,0        | 5,400                  |
| 63,5 x 63,5                     | 3,5        | 6,200                  |
| 63,5 x 63,5                     | 4,0        | 7,499                  |
| 63,5 x 63,5                     | 4,5        | 7,950                  |
| 63,5 x 63,5                     | 5,0        | 8,770                  |

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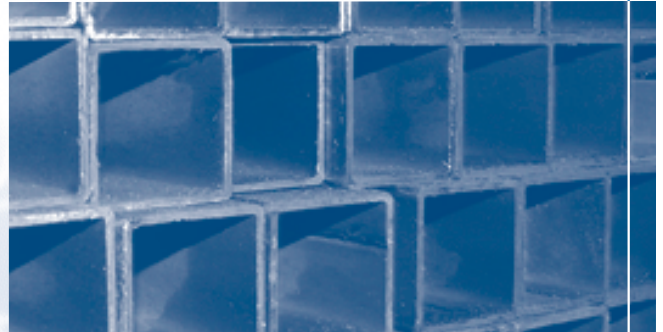
## SABS/SANS 657 PART 1

| SIZE<br>OUTSIDE DIMENSION<br>mm | WALL<br>mm | KILOGRAMS<br>per metre |
|---------------------------------|------------|------------------------|
| 70,0 x 70,0                     | 2,0        | 4,280                  |
| 70,0 x 70,0                     | 2,5        | 5,327                  |
| 70,0 x 70,0                     | 3,0        | 6,350                  |
| 70,0 x 70,0                     | 3,5        | 7,371                  |
| 70,0 x 70,0                     | 4,0        | 8,370                  |
| 70,0 x 70,0                     | 4,5        | 10,340                 |
| 70,0 x 70,0                     | 5,0        | 10,470                 |
|                                 |            |                        |
| 76,2 x 76,2                     | 1,6        | 3,950                  |
| 76,2 x 76,2                     | 2,0        | 4,580                  |
| 76,2 x 76,2                     | 2,5        | 5,690                  |
| 76,2 x 76,2                     | 3,0        | 6,800                  |
| 76,2 x 76,2                     | 3,5        | 7,891                  |
| 76,2 x 76,2                     | 4,0        | 8,970                  |
| 76,2 x 76,2                     | 4,5        | 10,030                 |
| 76,2 x 76,2                     | 5,0        | 11,090                 |
| 76,2 x 76,2                     | 6,0        | 13,160                 |
|                                 |            |                        |
| 80,0 x 80,0                     | 2,0        | 4,910                  |
| 80,0 x 80,0                     | 2,5        | 6,104                  |
| 80,0 x 80,0                     | 3,0        | 7,288                  |
| 80,0 x 80,0                     | 3,5        | 8,460                  |
| 80,0 x 80,0                     | 4,0        | 9,619                  |
| 80,0 x 80,0                     | 4,5        | 10,770                 |
| 80,0 x 80,0                     | 5,0        | 11,900                 |
| 80,0 x 80,0                     | 6,0        | 14,140                 |
|                                 |            |                        |
| 90,0 x 90,0                     | 2,0        | 5,530                  |
| 90,0 x 90,0                     | 2,5        | 6,893                  |
| 90,0 x 90,0                     | 3,0        | 8,230                  |
| 90,0 x 90,0                     | 3,5        | 9,560                  |
| 90,0 x 90,0                     | 4,0        | 10,880                 |
| 90,0 x 90,0                     | 4,5        | 12,170                 |
| 90,0 x 90,0                     | 5,0        | 13,470                 |
| 90,0 x 90,0                     | 6,0        | 16,010                 |

| SIZE<br>OUTSIDE DIMENSION<br>mm | WALL<br>mm | KILOGRAMS<br>per metre |
|---------------------------------|------------|------------------------|
| 100,0 x 100,0                   | 2,0        | 6,170                  |
| 100,0 x 100,0                   | 2,5        | 7,669                  |
| 100,0 x 100,0                   | 3,0        | 9,170                  |
| 100,0 x 100,0                   | 3,5        | 10,660                 |
| 100,0 x 100,0                   | 4,0        | 12,120                 |
| 100,0 x 100,0                   | 4,5        | 13,580                 |
| 100,0 x 100,0                   | 5,0        | 15,030                 |
| 100,0 x 100,0                   | 6,0        | 17,890                 |
| 100,0 x 100,0                   | 10,0       | 28,850                 |
|                                 |            |                        |
| 110,0 x 110,0                   | 3,0        | 10,100                 |
| 110,0 x 110,0                   | 3,5        | 11,750                 |
| 110,0 x 110,0                   | 4,0        | 13,390                 |
| 110,0 x 110,0                   | 4,5        | 15,000                 |
| 110,0 x 110,0                   | 5,0        | 16,610                 |
| 110,0 x 110,0                   | 6,0        | 19,770                 |
|                                 |            |                        |
| 115,0 x 115,0                   | 3,0        | 10,100                 |
| 115,0 x 115,0                   | 3,5        | 11,750                 |
| 115,0 x 115,0                   | 4,0        | 13,390                 |
| 115,0 x 115,0                   | 4,5        | 15,000                 |
| 115,0 x 115,0                   | 5,0        | 16,610                 |
| 115,0 x 115,0                   | 6,0        | 19,770                 |
|                                 |            |                        |
| 120,0 x 120,0                   | 2,0        | 7,493                  |
| 120,0 x 120,0                   | 2,5        | 9,335                  |
| 120,0 x 120,0                   | 3,0        | 11,040                 |
| 120,0 x 120,0                   | 3,5        | 12,840                 |
| 120,0 x 120,0                   | 4,0        | 14,630                 |
| 120,0 x 120,0                   | 4,5        | 16,400                 |
| 120,0 x 120,0                   | 5,0        | 18,160                 |
| 120,0 x 120,0                   | 6,0        | 21,640                 |
| 120,0 x 120,0 (9m)              | 8,0        | 28,410                 |
| 120,0 x 120,0 (9m)              | 10,0       | 35,020                 |
|                                 |            |                        |
| 127,0 x 127,0                   | 3,0        | 11,980                 |
| 127,0 x 127,0                   | 3,5        | 13,500                 |
| 127,0 x 127,0                   | 4,0        | 15,880                 |
| 127,0 x 127,0                   | 4,5        | 17,810                 |
| 127,0 x 127,0                   | 5,0        | 19,740                 |
| 127,0 x 127,0                   | 6,0        | 23,520                 |

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## SABS/SANS 657 PART 1



| SIZE<br>OUTSIDE DIMENSION<br>mm | WALL<br>mm | KILOGRAMS<br>per metre |
|---------------------------------|------------|------------------------|
| 130,0 x 130,0                   | 3,0        | 11,990                 |
| 130,0 x 130,0                   | 3,5        | 13,950                 |
| 130,0 x 130,0                   | 4,0        | 15,890                 |
| 130,0 x 130,0                   | 4,5        | 17,820                 |
| 130,0 x 130,0                   | 5,0        | 19,740                 |
| 130,0 x 130,0                   | 6,0        | 23,540                 |
|                                 |            |                        |
| 133,3 x 133,3                   | 3,0        | 11,990                 |
| 133,3 x 133,3                   | 3,5        | 13,950                 |
| 133,3 x 133,3                   | 4,0        | 15,880                 |
| 133,3 x 133,3                   | 4,5        | 17,820                 |
| 133,3 x 133,3                   | 5,0        | 19,740                 |
| 133,3 x 133,3                   | 6,0        | 23,540                 |
|                                 |            |                        |
| 140,0 x 140,0                   | 3,0        | 11,990                 |
| 140,0 x 140,0                   | 3,5        | 13,950                 |
| 140,0 x 140,0                   | 4,0        | 15,880                 |
| 140,0 x 140,0                   | 4,5        | 17,810                 |
| 140,0 x 140,0                   | 5,0        | 19,740                 |
| 140,0 x 140,0                   | 6,0        | 23,520                 |
|                                 |            |                        |
| 150,0 x 150,0                   | 3,0        | 14,130                 |
| 150,0 x 150,0                   | 3,5        | 15,750                 |
| 150,0 x 150,0                   | 4,0        | 18,750                 |
| 150,0 x 150,0                   | 4,5        | 21,030                 |
| 150,0 x 150,0                   | 5,0        | 23,300                 |
| 150,0 x 150,0                   | 6,0        | 27,820                 |
| 150,0 x 150,0                   | 8,0        | 36,620                 |
| 150,0 x 150,0                   | 10,0       | 41,330                 |
|                                 |            |                        |
| 152,0 x 152,0                   | 3,5        | 16,420                 |
| 152,0 x 152,0                   | 4,5        | 21,000                 |
| 152,0 x 152,0                   | 6,0        | 27,770                 |
| 152,0 x 152,0                   | 8,0        | 36,630                 |
| 152,0 x 152,0                   | 10,0       | 45,300                 |
|                                 |            |                        |
| 165,1 x 165,1                   | 3,5        | 17,310                 |
| 165,1 x 165,1                   | 4,5        | 22,140                 |
| 165,1 x 165,1                   | 6,0        | 29,300                 |
|                                 |            |                        |
| 177,8 x 177,8                   | 3,5        | 18,600                 |
| 177,8 x 177,8                   | 4,5        | 23,810                 |
| 177,8 x 177,8                   | 6,0        | 31,530                 |
| 177,8 x 177,8 (6,1m)            | 8,0        | 41,650                 |
| 177,8 x 177,8 (6,1m)            | 10,0       | 51,560                 |

| SIZE<br>OUTSIDE DIMENSION<br>mm | WALL<br>mm | KILOGRAMS<br>per metre |
|---------------------------------|------------|------------------------|
| 180,0 x 180,0                   | 3,5        | 18,600                 |
| 180,0 x 180,0                   | 4,5        | 23,810                 |
| 180,0 x 180,0                   | 6,0        | 31,530                 |
| 180,0 x 180,0 (6,1m)            | 8,0        | 41,650                 |
| 180,0 x 180,0 (6,1m)            | 10,0       | 51,560                 |
|                                 |            |                        |
| 200,0 x 200,0 (6,1m)            | 4,5        | 26,800                 |
| 200,0 x 200,0 (6,1m)            | 6,0        | 35,500                 |
| 200,0 x 200,0 (6,1m)            | 8,0        | 49,960                 |
| 200,0 x 200,0 (6,1m)            | 10,0       | 58,200                 |
|                                 |            |                        |
| 222,0 x 222,0                   | 4,5        | 29,800                 |
| 222,0 x 222,0                   | 6,0        | 39,510                 |
| 222,0 x 222,0                   | 8,0        | 52,280                 |
| 222,0 x 222,0                   | 10,0       | 64,860                 |
|                                 |            |                        |
| 225,0 x 225,0 (6,1m)            | 4,5        | 29,800                 |
| 225,0 x 225,0 (6,1m)            | 6,0        | 39,510                 |
| 225,0 x 225,0 (6,1m)            | 8,0        | 52,280                 |
| 225,0 x 225,0 (6,1m)            | 10,0       | 64,860                 |
|                                 |            |                        |
| 250,0 x 250,0 (6,1m)            | 4,5        | 33,890                 |
| 250,0 x 250,0 (6,1m)            | 6,0        | 44,960                 |
| 250,0 x 250,0 (6m)              | 8,0        | 62,320                 |
| 250,0 x 250,0 (6m)              | 10,0       | 77,400                 |
|                                 |            |                        |
| 260,0 x 260,0 (6,1m)            | 4,5        | 35,440                 |
| 260,0 x 260,0 (6,1m)            | 6,0        | 47,030                 |
| 260,0 x 260,0 (6,1m)            | 8,0        | 62,340                 |
| 260,0 x 260,0 (6,1m)            | 10,0       | 77,430                 |
|                                 |            |                        |
| 270,0 x 270,0 (6,1m)            | 4,5        | 35,440                 |
| 270,0 x 270,0 (6,1m)            | 6,0        | 47,030                 |
| 270,0 x 270,0 (6,1m)            | 8,0        | 62,320                 |
| 270,0 x 270,0 (6,1m)            | 10,0       | 77,400                 |
|                                 |            |                        |
| 300,0 x 300,0 (6,1m)            | 4,5        | 38,900                 |
| 300,0 x 300,0 (6,1m)            | 6,0        | 51,730                 |
| 300,0 x 300,0 (6,1m)            | 8,0        | 68,570                 |
| 300,0 x 300,0 (6,1m)            | 10,0       | 85,220                 |

Above 120mm square, tubing has to be drawn down from mother tube. To work out mother tube size, add all four sides and divide by pye.