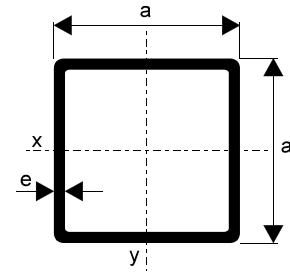


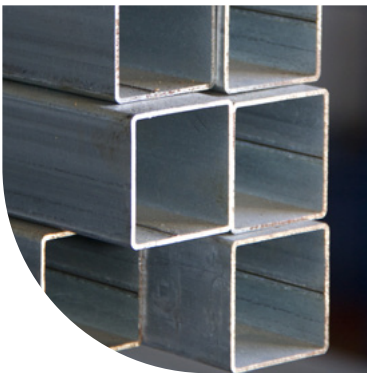
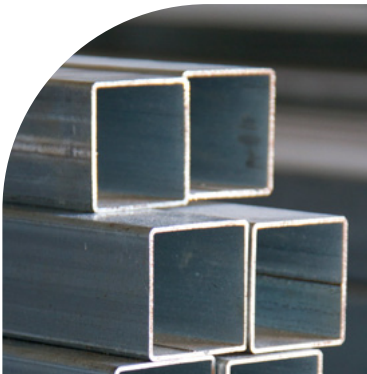
2.4 TUBOS

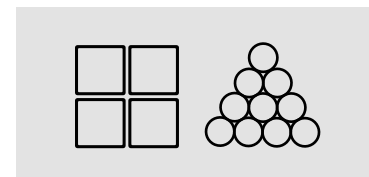
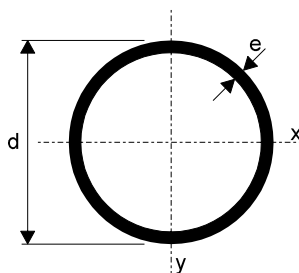
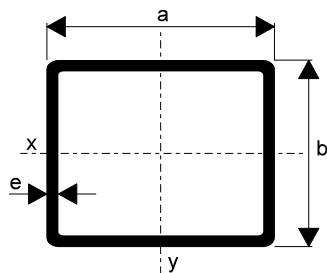
Fabricado conforme a los estándares 10305-3 ó 10219-1: 2007



TUBO CUADRADO SOLDADO

| Dimensiones a x a x e (mm) | Masa (Kg/m) | Dimensiones a x a x e (mm) | Masa (Kg/m) |
|-------------------------------|----------------|-------------------------------|----------------|
| 20x20x1,5 | 0,88 | 80x80x3 | 7,17 |
| 20x20x2 | 1,15 | 80x80x4 | 9,46 |
| 25x25x1,5 | 1,12 | 80x80x5 | 11,70 |
| 25x25x2 | 1,47 | 90x90x3 | 8,28 |
| 30x30x1,5 | 1,36 | 90x90x4 | 10,94 |
| 30x30x2 | 1,79 | 90x90x5 | 13,56 |
| 35x35x1,5 | 1,60 | 100x100x4 | 11,93 |
| 35x35x2 | 2,11 | 100x100x5 | 14,79 |
| 40x40x1,5 | 1,84 | 100x100x6 | 17,60 |
| 40x40x2 | 2,43 | 125x125x4 | 14,89 |
| 40x40x3 | 3,55 | 125x125x6 | 22,04 |
| 40x40x4 | 4,60 | 125x125x8 | 29,00 |
| 50x50x1,5 | 2,32 | 135x135x5 | 19,72 |
| 50x50x2 | 3,07 | 135x135x9 | 34,62 |
| 50x50x3 | 4,51 | 140x140x5 | 20,96 |
| 50x50x4 | 5,88 | 140x140x6 | 25,00 |
| 50x50x5 | 7,20 | 160x160x5 | 24,03 |
| 60x60x1,5 | 2,80 | 160x160x6 | 28,70 |
| 60x60x2 | 3,71 | 160x160x9 | 42,37 |
| 60x60x3 | 5,47 | 175x175x5 | 26,38 |
| 60x60x4 | 7,16 | 175x175x8 | 41,62 |
| 60x60x5 | 8,80 | 175x175x9 | 46,61 |
| 70x70x2 | 4,35 | 200x200x5 | 31,30 |
| 70x70x3 | 6,43 | 200x200x6 | 37,23 |
| 70x70x4 | 8,44 | 200x200x8 | 48,36 |
| 70x70x5 | 10,40 | 200x200x10 | 59,28 |





TUBO RECTANGULAR SOLDADO

| Dimensiones a x b x e (mm) | Masa (Kg/m) | Dimensiones a x b x e (mm) | Masa (Kg/m) |
|-------------------------------|----------------|-------------------------------|----------------|
| 20x15x1,5 | 0,64 | 70x20x2 | 2,75 |
| 20x10x1,5 | 0,76 | 70x30x1,5 | 2,32 |
| 30x10x1,5 | 0,88 | 70x30x2 | 3,07 |
| 30x15x1,5 | 1,00 | 70x40x1,5 | 2,56 |
| 30x20x1,5 | 1,12 | 80x20x1,5 | 2,32 |
| 30x20x2 | 1,47 | 80x30x1,5 | 2,56 |
| 40x10x1,5 | 1,12 | 80x30x2 | 3,39 |
| 40x20x2 | 1,79 | 80x40x2 | 3,71 |
| 40x30x1,5 | 1,60 | 80x50x2 | 4,03 |
| 40x30x2 | 2,11 | 80x60x2 | 4,35 |
| 45x10x1,5 | 1,24 | 90x20x2 | 3,39 |
| 45x15x1,5 | 1,36 | 90x30x1,5 | 3,71 |
| 45x20x1,5 | 1,48 | 90x40x2 | 4,03 |
| 45x20x2 | 1,95 | 90x50x2 | 4,35 |
| 50x10x1,5 | 0,92 | 90x50x4 | 3,39 |
| 50x20x1,5 | 1,60 | 100x40x2 | 2,80 |
| 50x20x2 | 2,11 | 100x40x3 | 4,03 |
| 50x30x1,5 | 1,84 | 100x50x3 | 6,91 |
| 50x30x2 | 2,43 | 100x60x5 | 11,70 |
| 60x10x1,5 | 1,60 | 100x80x5 | 13,56 |
| 60x20x1,5 | 1,84 | 120x80x6 | 17,60 |
| 60x20x2 | 2,43 | 120x100x4 | 12,92 |
| 60x30x1,5 | 2,08 | 120x100x6 | 19,08 |
| 60x30x2 | 2,75 | 120x100x8 | 25,05 |
| 60x40x1,5 | 2,32 | 140x60x4 | 11,93 |
| 60x40x2 | 3,07 | 140x80x4 | 12,92 |

TUBO REDONDO SOLDADO

| Dimensiones d x e (mm) | Masa (Kg/m) | Dimensiones d x e (mm) | Masa (Kg/m) |
|---------------------------|----------------|---------------------------|----------------|
| 20x1,5 | 0,68 | 80x3 | 3,92 |
| 20x2 | 0,86 | 90x1,5 | 5,33 |
| 25x1,5 | 0,885 | 90x2 | 4,42 |
| 25x2 | 1,15 | 90x3 | 6,55 |
| 30x1,5 | 1,07 | 100x1,5 | 3,71 |
| 30x2 | 1,40 | 100x2 | 4,92 |
| 35x1,5 | 1,26 | 100x3 | 7,17 |
| 35x2 | 1,65 | 100x4 | 9,46 |
| 40x1,5 | 1,45 | 100x5 | 11,70 |
| 40x2 | 1,91 | 115x2 | 5,68 |
| 45x1,5 | 1,63 | 115x3 | 8,28 |
| 45x2 | 2,16 | 125x3 | 9,02 |
| 50x1,5 | 1,82 | 125x4 | 11,93 |
| 50x2 | 2,41 | 135x4 | 12,92 |
| 50x3 | 3,54 | 135x6 | 19,08 |
| 60x1,5 | 2,20 | 135x8 | 25,05 |
| 60x2 | 2,91 | 155x4 | 14,89 |
| 60x3 | 4,29 | 155x6 | 22,04 |
| 65x1,5 | 2,39 | 155x8 | 29,00 |
| 65x2 | 3,16 | 165x4 | 15,87 |
| 70x1,5 | 2,58 | 165x5 | 19,72 |
| 70x2 | 3,41 | 175x5 | 20,96 |
| 75x1,5 | 2,77 | 175x7 | 29,00 |
| 75x2 | 3,66 | 175x9 | 36,84 |
| 80x1,5 | 2,95 | 200x5 | 24,03 |
| 80x2 | 3,92 | 200x9 | 33,30 |