

CATALOGO DE

PRODUTOS

2025

Ferro e Aço · EPIs · Ferramentas para Serralheiro

DGA COMERCIAL

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INDICE

| | |
|---|----|
| Barras Redondas Laminadas | 3 |
| Barras Quadradas | 3 |
| Perfil T | 3 |
| Barras Chatas | 4 |
| Cantoneiras de Abas Iguais | 5 |
| Vigas I e U | 6 |
| Perfis W Laminados Acominas — ASTM | 7 |
| Chapas (Frio, Quente, Xadrez, Galv., Grossa, Expandida) | 8 |
| Perfis U Simples e Enrijecidos — UDC | 9 |
| Tubos Industriais Redondos | 10 |
| Tubos Patente DIN 2440 | 11 |
| Tubos DIN e Galvanizado Estrutural | 11 |
| Tubos Schedules NBR 5590 / ASTM A-53 | 12 |
| Tubos Quadrados | 13 |
| Tubos Retangulares | 14 |
| Derivados de Chapas — Lambris, Degraus, Materiais | 15 |
| Telhas Galvanizadas e Caixas de Portao Basculante | 15 |

BARRAS REDONDAS LAMINADAS — MECANICA

| Diam. (pol.) | Diam. (mm) | Diam. (pol.) | Diam. (mm) |
|--------------|------------|--------------|------------|
| 1/4" | 6,3 | 1.7/8" | 47,63 |
| 5/16" | 7,9 | 2" | 50,80 |
| 3/8" | 9,5 | 2.1/16" | 52,39 |
| 1/2" | 12,7 | 2.1/8" | 53,98 |
| 9/16" | 14,2 | 2.1/4" | 57,15 |
| 5/8" | 15,8 | 2.3/8" | 60,33 |
| 11/16" | 17,4 | 2.7/16" | 61,91 |
| 3/4" | 19,0 | 2.1/2" | 63,50 |
| 7/8" | 22,2 | 2.9/16" | 65,08 |
| 1" | 25,4 | 2.5/8" | 66,68 |
| 1.1/8" | 28,5 | 2.3/4" | 69,85 |
| 1.1/4" | 31,7 | 2.7/8" | 73,03 |
| 1.5/16" | 33,3 | 3" | 76,20 |
| 1.3/8" | 34,9 | 3.1/16" | 77,79 |
| 1.7/16" | 36,5 | 3.1/8" | 79,38 |
| 1.1/2" | 38,1 | 3.1/4" | 82,55 |
| 1.9/16" | 39,6 | 3.1/2" | 88,90 |
| 1.5/8" | 41,2 | 4" | 101,60 |
| 1.3/4" | 44,4 | 4.1/2" | 114,3 |
| 1.13/16" | 46,0 | 5" | 127,00 |
| | | 5.1/2" | 139,70 |

BARRAS QUADRADAS | PERFIL T

| Diam. (pol.) | Diam. (mm) | Dimensao (pol.) | Dimensao (mm) |
|--------------|------------|-----------------|---------------|
| 1/4" | 6,3 | 1/8" x 3/4" | 3,17 x 19,05 |
| 5/16" | 7,9 | 1/8" x 7/8" | 3,17 x 22,23 |
| 3/8" | 9,5 | 1/8" x 1" | 3,17 x 25,40 |
| 1/2" | 12,7 | 1/8" x 1.1/4" | 3,17 x 31,75 |
| 5/8" | 15,8 | 1/8" x 1.1/2" | 3,17 x 38,10 |
| 3/4" | 19,0 | 3/16" x 1" | 4,76 x 25,40 |
| 7/8" | 22,2 | 3/16" x 1.1/4" | 4,76 x 31,75 |
| 1" | 25,4 | 3/16" x 1.1/2" | 4,76 x 38,10 |
| 1.1/4" | 31,7 | 1/4" x 1" | 6,35 x 25,40 |
| 1.5/16" | 33,3 | 1/4" x 1.1/4" | 6,35 x 31,75 |
| 1.1/2" | 38,1 | 1/4" x 1.1/2" | 6,35 x 38,10 |
| 1.3/4" | 44,4 | 1/4" x 2" | 6,35 x 50,80 |
| 2" | 50,80 | | 20,24 |
| 2.1/2" | 63,50 | | 31,63 |
| 3" | 76,20 | | 45,54 |

BARRAS CHATAS

| Esp. (pol.) | Esp. (mm) | Larg. (pol.) | Larg. (mm) | Peso (kg/m) |
|-------------|-----------|--------------|------------|-------------|
| 1/8" | 3,18 | x 3/8" | x 9,53 | 0,24 |
| 1/8" | 3,18 | x 1/2" | x 12,70 | 0,32 |
| 1/8" | 3,18 | x 5/8" | x 15,88 | 0,40 |
| 1/8" | 3,18 | x 3/4" | x 19,05 | 0,48 |
| 1/8" | 3,18 | x 7/8" | x 22,23 | 0,56 |
| 1/8" | 3,18 | x 1" | x 25,40 | 0,63 |
| 1/8" | 3,18 | x 1.1/4" | x 31,75 | 0,79 |
| 1/8" | 3,18 | x 1.1/2" | x 38,10 | 0,87 |
| 1/8" | 3,18 | x 2" | x 50,80 | 1,27 |
| 3/16" | 4,76 | x 1/2" | x 12,70 | 0,48 |
| 3/16" | 4,76 | x 5/8" | x 15,88 | 0,59 |
| 3/16" | 4,76 | x 3/4" | x 19,05 | 0,71 |
| 3/16" | 4,76 | x 7/8" | x 22,23 | 0,83 |
| 3/16" | 4,76 | x 1" | x 25,40 | 0,95 |
| 3/16" | 4,76 | x 1.1/4" | x 31,75 | 1,19 |
| 3/16" | 4,76 | x 1.1/2" | x 38,10 | 1,42 |
| 3/16" | 4,76 | x 2" | x 50,80 | 1,90 |
| 1/4" | 6,35 | x 1/2" | x 12,70 | 0,59 |
| 1/4" | 6,35 | x 5/8" | x 15,88 | 0,74 |
| 1/4" | 6,35 | x 3/4" | x 19,05 | 0,95 |
| 1/4" | 6,35 | x 7/8" | x 22,23 | 1,11 |
| 1/4" | 6,35 | x 1" | x 25,40 | 1,27 |
| 1/4" | 6,35 | x 1.1/4" | x 31,75 | 1,58 |
| 1/4" | 6,35 | x 1.1/2" | x 38,10 | 1,90 |
| 1/4" | 6,35 | x 2" | x 50,80 | 2,53 |
| 1/4" | 6,35 | x 2.1/2" | x 63,50 | 3,17 |
| 1/4" | 6,35 | x 3" | x 76,20 | 3,80 |
| 1/4" | 6,35 | x 4" | x 101,60 | 5,07 |
| 1/4" | 6,35 | x 5" | x 127,00 | 6,30 |
| 1/4" | 6,35 | x 6" | x 152,40 | 7,60 |
| 1/4" | 6,35 | x 8" | x 203,20 | 10,34 |
| 5/16" | 7,94 | x 1" | x 25,40 | 1,58 |
| 5/16" | 7,94 | x 1.1/4" | x 31,75 | 1,98 |
| 5/16" | 7,94 | x 1.1/2" | x 38,10 | 2,38 |
| 5/16" | 7,94 | x 2" | x 50,80 | 3,17 |
| 5/16" | 7,94 | x 2.1/2" | x 63,50 | 3,96 |
| 5/16" | 7,94 | x 3" | x 76,20 | 4,75 |
| 5/16" | 7,94 | x 4" | x 101,60 | 6,33 |

| Esp. (pol.) | Esp. (mm) | Larg. (pol.) | Larg. (mm) | Peso (kg/m) |
|-------------|-----------|--------------|------------|-------------|
| 5/16" | 7,94 | x 5" | x 127,00 | 7,90 |
| 5/16" | 7,94 | x 6" | x 152,40 | 9,50 |
| 3/8" | 9,53 | x 1" | x 25,40 | 1,90 |
| 3/8" | 9,53 | x 1.1/4" | x 31,75 | 2,38 |
| 3/8" | 9,53 | x 1.1/2" | x 38,10 | 2,85 |
| 3/8" | 9,53 | x 2" | x 50,80 | 3,80 |
| 3/8" | 9,53 | x 2.1/2" | x 63,50 | 4,75 |
| 3/8" | 9,53 | x 3" | x 76,20 | 5,70 |
| 3/8" | 9,53 | x 4" | x 101,60 | 7,60 |
| 3/8" | 9,53 | x 6" | x 152,40 | 11,40 |
| 1/2" | 12,70 | x 7/8" | x 22,23 | 2,22 |
| 1/2" | 12,70 | x 1" | x 25,40 | 2,53 |
| 1/2" | 12,70 | x 1.1/4" | x 31,75 | 3,17 |
| 1/2" | 12,70 | x 1.1/2" | x 38,10 | 3,80 |
| 1/2" | 12,70 | x 2" | x 50,80 | 5,06 |
| 1/2" | 12,70 | x 2.1/2" | x 63,50 | 6,33 |
| 1/2" | 12,70 | x 3" | x 76,20 | 7,60 |
| 1/2" | 12,70 | x 4" | x 101,60 | 10,13 |
| 1/2" | 12,70 | x 6" | x 152,40 | 15,20 |
| 5/8" | 15,88 | x 1.1/2" | x 38,10 | 4,75 |
| 5/8" | 15,88 | x 1.3/4" | x 44,45 | 5,39 |
| 5/8" | 15,88 | x 2" | x 50,80 | 6,33 |
| 5/8" | 15,88 | x 2.1/2" | x 63,50 | 7,92 |
| 5/8" | 15,88 | x 3" | x 76,20 | 9,50 |
| 5/8" | 15,88 | x 3.1/2" | x 88,90 | 10,84 |
| 5/8" | 15,88 | x 4" | x 101,60 | 12,67 |
| 5/8" | 15,88 | x 6" | x 152,40 | 19,00 |
| 3/4" | 19,05 | x 2" | x 50,80 | 7,60 |
| 3/4" | 19,05 | x 2.1/2" | x 63,50 | 9,50 |
| 3/4" | 19,05 | x 3" | x 76,20 | 11,40 |
| 3/4" | 19,05 | x 3.1/2" | x 88,90 | 13,05 |
| 3/4" | 19,05 | x 4" | x 101,60 | 15,19 |
| 3/4" | 19,05 | x 6" | x 152,40 | 22,80 |
| 1" | 25,40 | x 2" | x 50,80 | 10,12 |
| 1" | 25,40 | x 2.1/2" | x 63,50 | 12,66 |
| 1" | 25,40 | x 3" | x 76,20 | 15,19 |
| 1" | 25,40 | x 4" | x 101,60 | 20,26 |
| 1" | 25,40 | x 5" | x 127,00 | 30,40 |

CANTONEIRAS DE ABAS IGUAIS

| Esp. (pol.) | Esp. (mm) | Aba (p) | Esp. (pol.) | Esp. (mm) | Aba (pol.) |
|-------------|-----------|---------|-------------|-----------|------------|
| Serr. | 2,50 | x 5/8" | 5/16" | 7,94 | x 2" |
| Serr. | 2,50 | x 3/4" | 5/16" | 7,94 | x 2.1/2" |
| 1/8" | 3,18 | x 1/2" | 5/16" | 7,94 | x 3" |
| 1/8" | 3,18 | x 5/8" | 5/16" | 7,94 | x 4" |
| 1/8" | 3,18 | x 3/4" | 3/8" | 9,53 | x 2" |
| 1/8" | 3,18 | x 7/8" | 3/8" | 9,53 | x 2.1/2" |
| 1/8" | 3,18 | x 1" | 3/8" | 9,53 | x 3" |
| 1/8" | 3,18 | x 1.1" | 3/8" | 9,53 | x 4" |
| 1/8" | 3,18 | x 1.1" | 3/8" | 9,53 | x 5" |
| 1/8" | 3,18 | x 1.3" | 3/8" | 9,53 | x 6" |
| 1/8" | 3,18 | x 2" | 7/16" | 11,11 | x 4" |
| 3/16" | 4,76 | x 1" | 1/2" | 12,70 | x 3" |
| 3/16" | 4,76 | x 1.1" | 1/2" | 12,70 | x 4" |
| 3/16" | 4,76 | x 1.1" | 1/2" | 12,70 | x 5" |
| 3/16" | 4,76 | x 1.3" | 1/2" | 12,70 | x 6" |
| 3/16" | 4,76 | x 2" | 1/2" | 12,70 | x 8" |
| 3/16" | 4,76 | x 2.1" | 5/8" | 15,88 | x 4" |
| 3/16" | 4,76 | x 3" | 5/8" | 15,88 | x 5" |
| 1/4" | 6,35 | x 1" | 5/8" | 15,88 | x 6" |
| 1/4" | 6,35 | x 1.1" | 5/8" | 15,88 | x 8" |
| 1/4" | 6,35 | x 1.1" | 3/4" | 19,05 | x 5" |
| 1/4" | 6,35 | x 1.3" | 3/4" | 19,05 | x 6" |
| 1/4" | 6,35 | x 2" | 3/4" | 19,05 | x 8" |
| 1/4" | 6,35 | x 2.1" | 7/8" | 22,23 | x 6" |
| 1/4" | 6,35 | x 3" | 7/8" | 22,23 | x 8" |
| 1/4" | 6,35 | x 4" | | x 101,60 | 9,81 |

VIGAS I | VIGAS U

| Dimensoes (pol.) | Alma | Dimensoes (pol.) | Alma | Esp. A |
|------------------|------|------------------|-------|--------|
| 3" x 2.3/8" | 1a | 3" x 1.1/2" | 1a | |
| 3" x 2.3/8" | 2a | 3" x 1.1/2" | 2a | |
| 3" x 2.3/8" | 3a | 3" x 1.1/2" | 3a | |
| 4" x 2.5/8" | 1a | 4" x 1.5/8" | 1a | |
| 4" x 2.5/8" | 2a | 4" x 1.5/8" | 2a | |
| 4" x 2.5/8" | 3a | 4" x 1.5/8" | 3a | |
| 5" x 3" | 1a | 6" x 2" | 1a | |
| 5" x 3" | 2a | 6" x 2" | 2a | |
| 5" x 3" | 3a | 6" x 2" | 3a | 1 |
| 6" x 3.3/8" | 1a | 8" x 2.1/4" | 1a | |
| 6" x 3.3/8" | 2a | 8" x 2.1/4" | 2a | |
| 6" x 3.3/8" | 3a | 8" x 2.1/4" | 3a | 1 |
| 8" x 4" | 1a | 10" x 2.5/8" | 1a | |
| 8" x 4" | 2a | 10" x 2.5/8" | 2a | |
| 8" x 4" | 3a | 10" x 2.5/8" | 3a | 1 |
| 10" x 4.5/8" | 1a | 12" x 3" | 1a | |
| 10" x 4.5/8" | 2a | 12" x 3" | 2a | |
| 10" x 4.5/8" | 3a | 12" x 3" | 3a | 1 |
| 12" x 5.1/4" | 1a | 11,68 | 60,71 | |
| 12" x 5.1/4" | 2a | 14,35 | 66,97 | |
| 12" x 5.1/4" | 3a | 17,45 | 74,41 | |

PERFIS W LAMINADOS ACOMINAS — ASTM

d=altura bf=larg.aba tw=esp.alma tf=esp.aba Ix=momento inercia Wx=modulo resistente

| Bitola | kg/m | d(mm) | bf(mm) | tw(mm) | tf(mm) | Area(cm ²) | Ix(cm ⁴) | Wx(cm ³) |
|--------------|------|-------|--------|--------|--------|------------------------|----------------------|----------------------|
| W150x13,0 | 13,0 | 148 | 100 | 4,3 | 4,9 | 16,6 | 635 | 85,8 |
| W150x18,0 | 18,0 | 153 | 102 | 5,8 | 7,1 | 23,4 | 939 | 122,8 |
| W150x22,5(H) | 22,5 | 152 | 152 | 5,8 | 6,6 | 29,0 | 1.229 | 161,7 |
| W150x24,0 | 24,0 | 160 | 102 | 6,6 | 10,3 | 31,5 | 1.384 | 173,0 |
| W150x29,8(H) | 29,8 | 157 | 153 | 6,6 | 9,3 | 38,5 | 1.739 | 221,5 |
| W150x37,1(H) | 37,1 | 162 | 154 | 8,1 | 11,6 | 47,8 | 2.244 | 277,0 |
| W200x15,0 | 15,0 | 200 | 100 | 4,3 | 5,2 | 19,4 | 1.305 | 130,5 |
| W200x19,3 | 19,3 | 203 | 102 | 5,8 | 6,5 | 25,1 | 1.686 | 166,1 |
| W200x22,5 | 22,5 | 206 | 102 | 6,2 | 8,0 | 29,0 | 2.029 | 197,0 |
| W200x26,6 | 26,6 | 207 | 133 | 5,8 | 8,4 | 34,2 | 2.611 | 252,3 |
| W200x31,3 | 31,3 | 210 | 134 | 6,4 | 10,2 | 40,3 | 3.168 | 301,7 |
| W200x35,9(H) | 35,9 | 201 | 165 | 6,2 | 10,2 | 45,7 | 3.437 | 342,0 |
| W200x41,7(H) | 41,7 | 205 | 166 | 7,2 | 11,8 | 53,5 | 4.114 | 401,4 |
| W200x46,1(H) | 46,1 | 203 | 203 | 7,2 | 11,0 | 58,6 | 4.543 | 447,6 |
| W200x52,0(H) | 52,0 | 206 | 204 | 7,9 | 12,6 | 66,9 | 5.298 | 514,4 |
| W250x17,9 | 17,9 | 251 | 101 | 4,8 | 5,3 | 23,1 | 2.291 | 182,6 |
| W250x22,3 | 22,3 | 254 | 102 | 5,8 | 6,9 | 28,9 | 2.939 | 231,4 |
| W250x25,3 | 25,3 | 257 | 102 | 6,1 | 8,4 | 32,6 | 3.473 | 270,2 |
| W250x28,4 | 28,4 | 260 | 102 | 6,4 | 10,0 | 36,6 | 4.046 | 311,2 |
| W250x32,7 | 32,7 | 258 | 146 | 6,1 | 9,1 | 42,1 | 4.937 | 382,7 |
| W250x38,5 | 38,5 | 262 | 147 | 6,6 | 11,2 | 49,6 | 6.057 | 462,4 |
| W250x44,8 | 44,8 | 266 | 148 | 7,6 | 13,0 | 57,6 | 7.158 | 538,2 |
| W250x73,0(H) | 73,0 | 253 | 254 | 8,6 | 14,2 | 92,7 | 11.257 | 889,9 |
| W310x21,0 | 21,0 | 303 | 101 | 5,1 | 5,7 | 27,2 | 3.776 | 249,2 |
| W310x23,8 | 23,8 | 305 | 101 | 5,6 | 6,7 | 30,7 | 4.346 | 285,0 |
| W310x28,3 | 28,3 | 309 | 102 | 6,0 | 8,9 | 36,5 | 5.500 | 356,0 |
| W310x32,7 | 32,7 | 313 | 102 | 6,6 | 10,8 | 42,1 | 6.570 | 419,8 |
| W310x38,7 | 38,7 | 310 | 165 | 5,8 | 9,7 | 49,7 | 8.581 | 553,6 |
| W310x44,5 | 44,5 | 313 | 166 | 6,6 | 11,2 | 57,2 | 9.997 | 638,8 |
| W310x52,0 | 52,0 | 317 | 167 | 7,6 | 13,2 | 67,0 | 11.909 | 751,4 |
| W360x32,9 | 32,9 | 349 | 127 | 5,8 | 8,5 | 42,1 | 8.358 | 479,0 |
| W360x39,0 | 39,0 | 353 | 128 | 6,5 | 10,7 | 50,2 | 10.331 | 585,3 |
| W360x44,0 | 44,0 | 352 | 171 | 6,9 | 9,8 | 57,7 | 12.258 | 696,5 |
| W360x57,8 | 57,8 | 358 | 172 | 7,9 | 13,1 | 72,5 | 16.143 | 901,8 |
| W360x64,0 | 64,0 | 347 | 203 | 7,7 | 13,5 | 81,7 | 17.890 | 1031,1 |
| W410x38,8 | 38,8 | 399 | 140 | 6,4 | 8,8 | 50,3 | 12.777 | 640,5 |
| W410x46,1 | 46,1 | 403 | 140 | 7,0 | 11,2 | 59,2 | 15.690 | 778,7 |

| Bitola | kg/m | d(mm) | bf(mm) | tw(mm) | tf(mm) | Area(cm2) | Ix(cm4) | Wx(cm3) |
|------------|-------|-------|--------|--------|--------|-----------|---------|---------|
| W410x53,0 | 53,0 | 403 | 177 | 7,5 | 10,9 | 68,4 | 18.734 | 929,7 |
| W410x60,0 | 60,0 | 407 | 178 | 7,7 | 12,8 | 76,2 | 21.707 | 1066,8 |
| W460x52,0 | 52,0 | 450 | 152 | 7,6 | 10,8 | 66,6 | 21.370 | 949,8 |
| W460x60,0 | 60,0 | 455 | 153 | 8,0 | 13,3 | 76,2 | 25.652 | 1127,6 |
| W460x74,0 | 74,0 | 457 | 190 | 9,0 | 14,5 | 94,9 | 33.415 | 1462,4 |
| W530x66,0 | 66,0 | 525 | 165 | 8,9 | 11,4 | 83,6 | 34.971 | 1332,2 |
| W530x72,0 | 72,0 | 524 | 207 | 9,0 | 10,9 | 91,6 | 39.969 | 1525,5 |
| W530x82,0 | 82,0 | 528 | 209 | 9,5 | 13,3 | 104,5 | 47.453 | 1801,8 |
| W610x101,0 | 101,0 | 603 | 228 | 10,5 | 14,9 | 130,3 | 77.003 | 2554,0 |
| W610x125,0 | 125,0 | 612 | 229 | 11,9 | 19,6 | 160,1 | 99.184 | 3241,3 |
| W610x140,0 | 140,0 | 617 | 230 | 13,1 | 22,2 | 179,3 | 112.619 | 3650,5 |
| W610x155,0 | 155,0 | 611 | 324 | 12,7 | 19,0 | 198,1 | 129.583 | 4241,8 |

CHAPAS

Chapa Fina a Frio | Chapa Fina a Quente | Chapa Xadrez (Piso)

| Bitola (MSG) | Bitola (MSG) | Bitola (MSG) | |
|--------------|--------------|--------------|--|
| 30 | 18 | 12 | |
| 28 | 16 | 1/8" | |
| 26 | 15 | 3/16" | |
| 24 | 14 | 1/4" | |
| 22 | 13 | 5/16" | |
| 20 | 12 | 3/8" | |
| 19 | 11(1/8") | 3,00 | |
| 18 | 10 | 3,35 | |
| 16 | 9 | 3,75 | |
| 14 | 8 | 4,25 | |
| 13 | 7 | 4,50 | |
| 12 | 3/16" | 4,75 | |

Chapa Galvanizada | Chapa Grossa | Chapa Expandida

| Bitola (MSG) | Esp. (pol.) | Esp. (mm) | M |
|--------------|-------------|--------------|----|
| 32 | 1/4" | 1,50 | 12 |
| 30 | 5/16" | 2,00 | 20 |
| 28 | 3/8" | 3,00 | 30 |
| 26 | 1/2" | 4,75 | 10 |
| 24 | 5/8" | 6,35 | 10 |
| 22 | 3/4" | 6,35 | 10 |
| 20 | 7/8" | 6,35 (galv.) | 10 |
| 19 | 1" | 25,40 | |
| 18 | 1.1/4" | 31,50 | |
| 16 | 1.1/2" | 38,10 | |
| 14 | 2" | 50,80 | |
| 13 | 2.1/2" | 63,50 | |
| 12 | 3" | 76,20 | |
| | 4" | 100 | |

PERFIS U — UDC (DOBRADO DE CHAPA)

Perfil U Simples — Estrutural

| Dimensao (mm) | Peso por barra de 6m (kg) |
|----------------|---------------------------|
| 45 x 17 x 2,00 | 6,68 |
| 45 x 17 x 2,25 | 7,42 |
| 45 x 17 x 2,65 | 8,48 |
| 45 x 17 x 3,00 | 9,47 |
| 68 x 30 x 2,00 | 11,30 |
| 68 x 30 x 2,25 | 12,61 |
| 68 x 30 x 2,65 | 14,60 |
| 68 x 30 x 3,00 | 16,39 |
| 92 x 30 x 2,00 | 13,57 |
| 92 x 30 x 2,25 | 15,17 |
| 92 x 30 x 2,65 | 17,60 |
| 92 x 30 x 3,00 | 19,78 |
| 92 x 40 x 2,00 | 15,90 |
| 92 x 40 x 2,25 | 17,20 |
| 92 x 40 x 2,65 | 20,02 |
| 92 x 40 x 3,00 | 22,47 |

UDC Simples e Enrijecido (h x B x e) — propriedades mecanicas

| h(mm) | B(mm) | e(mm) | S(cm ²) | P(kg/m) | Jx(cm ⁴) | Wx(cm ³) | Jy(cm ⁴) | Wy(cm ³) |
|-------|-------|-------|---------------------|---------|----------------------|----------------------|----------------------|----------------------|
| 50 | 25 | 1,52 | 1,42 | 1,12 | 5,51 | 2,20 | 0,88 | 0,49 |
| 50 | 25 | 2,28 | 2,07 | 1,62 | 7,70 | 3,00 | 1,26 | 0,71 |
| 50 | 25 | 3,04 | 2,67 | 2,10 | 9,55 | 3,80 | 1,59 | 0,92 |
| 75 | 40 | 1,52 | 2,26 | 1,77 | 20,53 | 5,40 | 3,70 | 1,28 |
| 75 | 40 | 2,28 | 3,32 | 2,61 | 29,43 | 7,80 | 5,37 | 1,88 |
| 75 | 40 | 3,04 | 4,35 | 3,41 | 37,49 | 9,90 | 6,91 | 2,45 |
| 75 | 40 | 3,80 | 5,32 | 4,17 | 44,71 | 11,90 | 8,34 | 3,00 |
| 100 | 40 | 1,52 | 2,64 | 2,07 | 39,95 | 7,90 | 4,05 | 1,33 |
| 100 | 40 | 2,28 | 3,89 | 3,06 | 57,67 | 11,50 | 5,89 | 1,96 |
| 100 | 40 | 3,04 | 5,11 | 4,01 | 73,99 | 14,70 | 7,61 | 2,56 |
| 100 | 40 | 3,80 | 6,27 | 4,92 | 88,89 | 17,70 | 9,22 | 3,14 |
| 100 | 50 | 1,52 | 2,94 | 2,31 | 47,32 | 9,40 | 7,49 | 2,04 |
| 100 | 50 | 2,28 | 4,35 | 3,41 | 68,55 | 13,70 | 10,94 | 3,00 |
| 100 | 50 | 3,04 | 5,71 | 4,48 | 85,12 | 17,02 | 14,20 | 3,94 |
| 100 | 50 | 3,80 | 7,03 | 5,52 | 106,5 | 21,20 | 17,27 | 4,84 |
| 127 | 50 | 1,52 | 3,35 | 2,63 | 88,21 | 12,90 | 8,06 | 2,10 |
| 127 | 50 | 2,28 | 4,97 | 3,90 | 119,60 | 18,80 | 11,78 | 3,10 |

| h(mm) | B(mm) | e(mm) | S(cm ²) | P(kg/m) | Jx(cm ⁴) | Wx(cm ³) | Jy(cm ⁴) | Wy(cm ³) |
|-------|-------|-------|---------------------|---------|----------------------|----------------------|----------------------|----------------------|
| 127 | 50 | 3,04 | 6,53 | 5,13 | 154,80 | 24,30 | 15,32 | 4,08 |
| 127 | 50 | 3,80 | 8,05 | 6,32 | 187,60 | 29,50 | 18,67 | 5,02 |
| 150 | 50 | 1,52 | 3,79 | 2,97 | 94,41 | 14,87 | 8,06 | 2,10 |
| 150 | 50 | 2,28 | 5,54 | 4,35 | 135,33 | 21,31 | 11,78 | 3,10 |
| 150 | 50 | 3,04 | 7,23 | 5,68 | 172,40 | 27,15 | 15,32 | 4,08 |
| 150 | 50 | 3,80 | 8,93 | 7,01 | 209,70 | 33,20 | 18,62 | 4,65 |
| 200 | 50 | 1,90 | 7,13 | 5,60 | 440,46 | 44,05 | 10,42 | 2,66 |
| 200 | 50 | 2,66 | 10,08 | 7,92 | 614,20 | 61,42 | 15,32 | 3,67 |
| 200 | 50 | 3,80 | 14,07 | 11,04 | 839,21 | 83,92 | 21,16 | 5,29 |
| 200 | 75 | 1,90 | 8,65 | 6,79 | 821,83 | 65,75 | 28,18 | 5,72 |
| 250 | 85 | 2,66 | 11,95 | 9,38 | 1121,98 | 89,76 | 34,14 | 6,17 |
| 250 | 85 | 3,04 | 13,56 | 10,65 | 1266,71 | 101,34 | 39,17 | 7,13 |
| 300 | 85 | 2,66 | 13,28 | 10,42 | 1727,29 | 115,15 | 34,14 | 6,17 |
| 300 | 85 | 3,04 | 15,08 | 11,84 | 1952,07 | 130,14 | 38,88 | 7,09 |

TUBOS INDUSTRIAIS REDONDOS

| Nom. (pol.) | Nom. (pol.) | Nom. (pol.) | |
|-------------|-------------|-------------|--|
| 1/2" | 1" | 2" | |
| 1/2" | 1" | 2" | |
| 1/2" | 1" | 2" | |
| 1/2" | 1.1/4" | 2" | |
| 1/2" | 1.1/4" | 2" | |
| 1/2" | 1.1/4" | 2" | |
| 5/8" | 1.1/4" | 2" | |
| 5/8" | 1.1/4" | 2" | |
| 5/8" | 1.1/4" | 2.1/2" | |
| 5/8" | 1.1/4" | 2.1/2" | |
| 5/8" | 1.1/4" | 2.1/2" | |
| 5/8" | 1.1/4" | 2.1/2" | |
| 3/4" | 1.1/4" | 2.1/2" | |
| 3/4" | 1.1/2" | 2.1/2" | |
| 3/4" | 1.1/2" | 2.1/2" | |
| 3/4" | 1.1/2" | 2.1/2" | |
| 3/4" | 1.1/2" | 2.1/2" | |
| 3/4" | 1.1/2" | 3" | |
| 7/8" | 1.1/2" | 3" | |
| 7/8" | 1.1/2" | 3" | |
| 7/8" | 1.1/2" | 3" | |
| 7/8" | 1.1/2" | 3" | |
| 7/8" | 1.1/2" | 3" | |
| 7/8" | 1.3/4" | 3.1/2" | |
| 7/8" | 1.3/4" | 3.1/2" | |
| 7/8" | 1.3/4" | 3.1/2" | |
| 7/8" | 1.3/4" | 3.1/2" | |
| 7/8" | 1.3/4" | 3.1/2" | |
| 1" | 1.3/4" | 3.1/2" | |
| 1" | 1.3/4" | 4" | |
| 1" | 1.3/4" | 4" | |
| 1" | 1.3/4" | 4" | |
| 1" | 1.3/4" | 4" | |
| 1" | 2" | 4" | |
| 1" | 2" | 4" | |
| | | 4" | |

TUBOS MECANICOS PATENTE DIN 2440

| Nom. (pol.) | Ext. (mm) | Nom. (pol.) | Ext. (mm) | Esp |
|-------------|-----------|-------------|-----------|-----|
| 1/2" | 21,3 | 3" | 88,9 | |
| 1/2" | 21,3 | 3" | 88,9 | |
| 1/2" | 21,3 | 3" | 88,9 | |
| 1/2" | 21,3 | 3" | 88,9 | |
| 3/4" | 26,7 | 3" | 88,9 | |
| 3/4" | 26,7 | 3" | 88,9 | |
| 3/4" | 26,7 | 3" | 88,9 | |
| 3/4" | 26,7 | 3.1/2" | 101,6 | |
| 1" | 33,4 | 3.1/2" | 101,6 | |
| 1" | 33,4 | 3.1/2" | 101,6 | |
| 1" | 33,4 | 3.1/2" | 101,6 | |
| 1" | 33,4 | 3.1/2" | 101,6 | |
| 1.1/4" | 42,2 | 3.1/2" | 101,6 | |
| 1.1/4" | 42,2 | 4" | 114,3 | |
| 1.1/4" | 42,2 | 4" | 114,3 | |
| 1.1/4" | 42,2 | 4" | 114,3 | |
| 1.1/2" | 48,3 | 4" | 114,3 | |
| 1.1/2" | 48,3 | 4" | 114,3 | |
| 1.1/2" | 48,3 | 4" | 114,3 | |
| 1.1/2" | 48,3 | 4" | 114,3 | |
| 2" | 60,3 | 5" | 141,3 | |
| 2" | 60,3 | 5" | 141,3 | |
| 2" | 60,3 | 5" | 141,3 | |
| 2" | 60,3 | 5" | 141,3 | |
| 2.1/2" | 73,0 | 5" | 141,3 | |
| 2.1/2" | 73,0 | 5" | 141,3 | |
| 2.1/2" | 73,0 | 3,00 | 5,42 | |
| 2.1/2" | 73,0 | 3,35 | 6,02 | |
| 2.1/2" | 73,0 | 3,75 | 6,70 | |
| 2.1/2" | 73,0 | 4,75 | 8,37 | |

TUBOS DIN 2440 | TUBO GALVANIZADO ESTRUTURAL

| Nom. | Ext.(mm) | Nom. | Ext.(mm) |
|--------|----------|--------|----------|
| 1/4" | 13,50 | 3/4" | 19,05 |
| 3/8" | 17,20 | 1" | 25,40 |
| 1/2" | 21,20 | 1.1/4" | 31,75 |
| 3/4" | 26,70 | 1.1/2" | 38,10 |
| 1" | 33,40 | 2" | 50,80 |
| 1.1/4" | 42,20 | 2.1/2" | 63,50 |
| 1.1/2" | 48,10 | 3" | 76,20 |
| 2" | 59,90 | 3,75 | 32,69 |
| 2.1/2" | 76,20 | 3,75 | 41,78 |
| 3" | 88,90 | 3,75 | 49,19 |
| 4" | 114,30 | 4,25 | 73,11 |
| 5" | 139,70 | 4,50 | 96,77 |
| 6" | 165,10 | 4,50 | 115,00 |
| 8" | 219,10 | 6,35 | 200,00 |

TUBOS SCHEDULES — NBR 5590 (ASTM A-53) / A106 A / API 5L B

STD=Standard XS=Extra-strong XXS=Double extra-strong

| Nom.(pol.) | Ext.(mm) | Int.(mm) | Esp.(mm) | Peso(kg/m) | Conf. | Sched |
|------------|----------|----------|----------|------------|-------|-------|
| 1/4" | 13,7 | 9,22 | 2,24 | 0,63 | STD | 40 |
| 1/4" | 13,7 | 7,66 | 3,02 | 0,80 | XS | 80 |
| 3/8" | 17,1 | 12,48 | 2,31 | 0,84 | STD | 40 |
| 3/8" | 17,1 | 10,70 | 3,20 | 1,10 | XS | 80 |
| 1/2" | 21,3 | 15,76 | 2,77 | 1,27 | STD | 40 |
| 1/2" | 21,3 | 13,84 | 3,73 | 1,62 | XS | 80 |
| 1/2" | 21,3 | 11,74 | 4,78 | 1,95 | - | 160 |
| 3/4" | 26,7 | 20,96 | 2,87 | 1,69 | STD | 40 |
| 3/4" | 26,7 | 18,88 | 3,91 | 2,20 | XS | 80 |
| 3/4" | 26,7 | 15,58 | 5,56 | 2,90 | - | 160 |
| 1" | 33,4 | 26,64 | 3,38 | 2,50 | STD | 40 |
| 1" | 33,4 | 24,30 | 4,55 | 3,24 | XS | 80 |
| 1" | 33,4 | 20,70 | 6,35 | 4,24 | - | 160 |
| 1" | 33,4 | 15,22 | 9,09 | 5,45 | XXS | - |
| 1.1/4" | 42,2 | 35,08 | 3,56 | 3,39 | STD | 40 |
| 1.1/4" | 42,2 | 32,50 | 4,85 | 4,47 | XS | 80 |
| 1.1/4" | 42,2 | 29,50 | 6,35 | 5,61 | - | 160 |
| 1.1/2" | 48,3 | 40,94 | 3,68 | 4,05 | STD | 40 |
| 1.1/2" | 48,3 | 38,14 | 5,08 | 5,41 | XS | 80 |
| 1.1/2" | 48,3 | 34,02 | 7,14 | 7,25 | - | 160 |
| 2" | 60,3 | 52,48 | 3,91 | 5,44 | STD | 40 |
| 2" | 60,3 | 49,22 | 5,54 | 7,48 | XS | 80 |
| 2" | 60,3 | 42,82 | 8,74 | 11,11 | - | 160 |
| 2" | 60,3 | 38,16 | 11,07 | 13,44 | XXS | - |
| 2.1/2" | 73,0 | 62,68 | 5,16 | 8,63 | STD | 40 |
| 2.1/2" | 73,0 | 58,98 | 7,01 | 11,41 | XS | 80 |
| 2.1/2" | 73,0 | 53,94 | 9,53 | 14,92 | - | 160 |
| 3" | 88,9 | 77,92 | 5,49 | 11,29 | STD | 40 |
| 3" | 88,9 | 73,66 | 7,62 | 15,27 | XS | 80 |
| 3" | 88,9 | 66,64 | 11,13 | 21,35 | - | 160 |
| 3" | 88,9 | 58,42 | 15,24 | 27,68 | XXS | - |
| 3.1/2" | 101,6 | 90,12 | 5,74 | 13,57 | STD | 40 |
| 3.1/2" | 101,6 | 85,44 | 8,08 | 18,63 | XS | 80 |
| 4" | 114,3 | 102,26 | 6,02 | 16,07 | STD | 40 |
| 4" | 114,3 | 97,18 | 8,56 | 22,32 | XS | 80 |
| 4" | 114,3 | 92,04 | 11,13 | 28,32 | - | 120 |
| 4" | 114,3 | 87,32 | 13,49 | 33,54 | - | 160 |

| Nom.(pol.) | Ext.(mm) | Int.(mm) | Esp.(mm) | Peso(kg/m) | Conf. | Sched |
|------------|----------|----------|----------|------------|-------|-------|
| 4" | 114,3 | 80,06 | 17,12 | 41,03 | XXS | - |
| 5" | 141,3 | 128,20 | 6,55 | 21,77 | STD | 40 |
| 5" | 141,3 | 122,24 | 9,53 | 30,97 | XS | 80 |
| 5" | 141,3 | 115,90 | 12,70 | 40,28 | - | 120 |
| 5" | 141,3 | 109,54 | 15,88 | 49,11 | - | 160 |
| 6" | 168,3 | 154,08 | 7,11 | 28,26 | STD | 40 |
| 6" | 168,3 | 146,36 | 10,97 | 42,56 | XS | 80 |
| 6" | 168,3 | 139,76 | 14,27 | 54,20 | - | 120 |
| 6" | 168,3 | 131,78 | 18,26 | 67,56 | - | 160 |
| 8" | 219,1 | 202,74 | 8,18 | 42,55 | STD | 40 |
| 8" | 219,1 | 193,70 | 12,70 | 64,64 | XS | 80 |
| 8" | 219,1 | 188,92 | 15,09 | 75,92 | - | 100 |
| 8" | 219,1 | 182,58 | 18,26 | 90,44 | - | 120 |
| 10" | 273,0 | 254,46 | 9,27 | 60,31 | STD | 40 |
| 10" | 273,0 | 247,60 | 12,70 | 81,55 | XS | 60 |
| 10" | 273,0 | 242,82 | 15,09 | 96,01 | - | 80 |
| 10" | 273,0 | 236,48 | 18,26 | 114,75 | - | 100 |
| 12" | 323,8 | 304,74 | 9,53 | 73,86 | STD | 30 |
| 12" | 323,8 | 298,40 | 12,70 | 97,46 | XS | 40 |
| 12" | 323,8 | 295,26 | 14,27 | 108,96 | - | 60 |
| 12" | 323,8 | 288,84 | 17,48 | 132,08 | - | 80 |
| 14" | 355,6 | 342,90 | 6,35 | 54,69 | - | 10 |
| 14" | 355,6 | 336,54 | 9,53 | 81,33 | STD | 30 |
| 14" | 355,6 | 330,20 | 12,70 | 107,39 | XS | - |
| 14" | 355,6 | 317,50 | 19,05 | 158,10 | - | 80 |
| 16" | 406,4 | 393,70 | 6,35 | 63,12 | - | 10 |
| 16" | 406,4 | 387,38 | 9,53 | 94,55 | STD | 30 |
| 16" | 406,4 | 381,00 | 12,70 | 123,30 | XS | 40 |
| 16" | 406,4 | 363,52 | 21,44 | 203,17 | - | 80 |
| 18" | 457,0 | 444,30 | 6,35 | 71,11 | - | 10 |
| 18" | 457,0 | 437,96 | 9,53 | 104,83 | STD | - |
| 18" | 457,0 | 431,80 | 12,70 | 122,43 | XS | 20 |
| 18" | 457,0 | 418,90 | 19,05 | 182,61 | - | 60 |
| 20" | 508,0 | 495,30 | 6,35 | 79,16 | - | 10 |
| 20" | 508,0 | 488,96 | 9,53 | 117,02 | STD | 20 |
| 20" | 508,0 | 482,60 | 12,70 | 155,12 | XS | 30 |
| 20" | 508,0 | 466,76 | 20,62 | 247,83 | - | 60 |
| 22" | 559,0 | 546,30 | 6,35 | 87,21 | - | 10 |
| 22" | 559,0 | 533,40 | 12,70 | 171,03 | XS | 30 |

| Nom.(pol.) | Ext.(mm) | Int.(mm) | Esp.(mm) | Peso(kg/m) | Conf. | Sched |
|------------|----------|----------|----------|------------|-------|-------|
| 24" | 610,0 | 597,30 | 6,35 | 95,26 | - | 10 |
| 24" | 610,0 | 584,60 | 12,70 | 187,06 | XS | 20 |

TUBOS QUADRADOS INDUSTRIAIS

| Bitola (mm) | Bitola (mm) | Bitola (mm) | |
|-------------|-------------|-------------|--|
| 15 x 15 | 35 x 35 | 60 x 60 | |
| 15 x 15 | 35 x 35 | 60 x 60 | |
| 15 x 15 | 35 x 35 | 70 x 70 | |
| 15 x 15 | 35 x 35 | 70 x 70 | |
| 15 x 15 | 35 x 35 | 70 x 70 | |
| 15 x 15 | 40 x 40 | 70 x 70 | |
| 15 x 15 | 40 x 40 | 70 x 70 | |
| 20 x 20 | 40 x 40 | 70 x 70 | |
| 20 x 20 | 40 x 40 | 70 x 70 | |
| 20 x 20 | 40 x 40 | 70 x 70 | |
| 20 x 20 | 40 x 40 | 70 x 70 | |
| 20 x 20 | 40 x 40 | 70 x 70 | |
| 20 x 20 | 40 x 40 | 80 x 80 | |
| 20 x 20 | 40 x 40 | 80 x 80 | |
| 20 x 20 | 50 x 50 | 80 x 80 | |
| 25 x 25 | 50 x 50 | 80 x 80 | |
| 25 x 25 | 50 x 50 | 80 x 80 | |
| 25 x 25 | 50 x 50 | 80 x 80 | |
| 25 x 25 | 50 x 50 | 80 x 80 | |
| 25 x 25 | 50 x 50 | 80 x 80 | |
| 25 x 25 | 50 x 50 | 80 x 80 | |
| 25 x 25 | 50 x 50 | 90 x 90 | |
| 25 x 25 | 50 x 50 | 90 x 90 | |
| 25 x 25 | 50 x 50 | 90 x 90 | |
| 30 x 30 | 50 x 50 | 90 x 90 | |
| 30 x 30 | 50 x 50 | 90 x 90 | |
| 30 x 30 | 50 x 50 | 90 x 90 | |
| 30 x 30 | 60 x 60 | 90 x 90 | |
| 30 x 30 | 60 x 60 | 90 x 90 | |
| 30 x 30 | 60 x 60 | 100 x 100 | |
| 30 x 30 | 60 x 60 | 100 x 100 | |
| 30 x 30 | 60 x 60 | 100 x 100 | |
| 30 x 30 | 60 x 60 | 100 x 100 | |
| 30 x 30 | 60 x 60 | 100 x 100 | |
| 35 x 35 | 60 x 60 | 100 x 100 | |
| 35 x 35 | 60 x 60 | 100 x 100 | |
| 35 x 35 | 60 x 60 | 100 x 100 | |
| 35 x 35 | 60 x 60 | 3,75 | |

TUBOS RETANGULARES INDUSTRIAIS

| Bitola (mm) | Bitola (mm) | Bitola (mm) | |
|-------------|-------------|-------------|--|
| 25 x 15 | 50 x 40 | 80 x 40 | |
| 25 x 15 | 50 x 40 | 80 x 60 | |
| 25 x 15 | 50 x 40 | 80 x 60 | |
| 30 x 20 | 50 x 40 | 80 x 60 | |
| 30 x 20 | 50 x 40 | 80 x 60 | |
| 30 x 20 | 60 x 30 | 80 x 60 | |
| 30 x 20 | 60 x 30 | 80 x 60 | |
| 30 x 20 | 60 x 30 | 80 x 60 | |
| 35 x 15 | 60 x 30 | 80 x 60 | |
| 35 x 15 | 60 x 30 | 90 x 30 | |
| 35 x 15 | 60 x 40 | 90 x 30 | |
| 35 x 15 | 60 x 40 | 90 x 30 | |
| 35 x 25 | 60 x 40 | 90 x 30 | |
| 35 x 25 | 60 x 40 | 90 x 30 | |
| 35 x 25 | 60 x 40 | 90 x 30 | |
| 35 x 25 | 70 x 30 | 90 x 30 | |
| 40 x 20 | 70 x 30 | 100 x 40 | |
| 40 x 20 | 70 x 30 | 100 x 40 | |
| 40 x 20 | 70 x 30 | 100 x 40 | |
| 40 x 20 | 70 x 30 | 100 x 40 | |
| 40 x 30 | 70 x 30 | 100 x 40 | |
| 40 x 30 | 70 x 50 | 100 x 40 | |
| 40 x 30 | 70 x 50 | 100 x 40 | |
| 40 x 30 | 70 x 50 | 100 x 40 | |
| 50 x 20 | 70 x 50 | 100 x 40 | |
| 50 x 20 | 70 x 50 | 100 x 40 | |
| 50 x 20 | 70 x 50 | 3,00 | |
| 50 x 20 | 70 x 50 | 3,35 | |
| 50 x 30 | 80 x 40 | 1,20 | |
| 50 x 30 | 80 x 40 | 1,50 | |
| 50 x 30 | 80 x 40 | 1,90 | |
| 50 x 30 | 80 x 40 | 2,00 | |
| 50 x 30 | 80 x 40 | 2,65 | |
| 50 x 30 | 80 x 40 | 3,00 | |

DERIVADOS DE CHAPAS — LAMBRIS, DEGRAUS E MATERIAIS DIVERSOS

| Descricao | Dimensao / Espessura | Peso Aprox./Peca (kg) |
|---------------------|-----------------------|-----------------------|
| Lambril Frisado | 0,90 x 2000 x 1000 mm | 17,50 |
| Lambril Frisado | 1,20 x 2000 x 1000 mm | 24,00 |
| Lambril Ondulado | 0,90 x 2000 x 1000 mm | 17,50 |
| Lambril Ondulado | 0,90 x 2500 x 1000 mm | 22,50 |
| Lambril Ondulado | 0,90 x 3000 x 1000 mm | 25,50 |
| Lambril Ondulado | 1,20 x 2000 x 1000 mm | 23,00 |
| Lambril Ondulado | 1,20 x 2500 x 1000 mm | 29,00 |
| Lambril Ondulado | 1,20 x 3000 x 1000 mm | 35,00 |
| Lambril Sanfona | 0,90 x 2000 x 1000 mm | 17,00 |
| Lambril Sanfona | 0,90 x 2500 x 1000 mm | 22,50 |
| Lambril Sanfona | 1,20 x 2000 x 1000 mm | 23,00 |
| Lambril Sanfona | 1,20 x 3000 x 1000 mm | 34,50 |
| Lambril Trapezoidal | 0,90 x 2000 x 1000 mm | 17,50 |
| Lambril Trapezoidal | 1,20 x 2000 x 1000 mm | 23,00 |
| Lambril Trapezoidal | 1,20 x 3000 x 1000 mm | 33,00 |
| Lambril Triangular | 0,90 x 2000 x 1000 mm | 17,50 |
| Lambril Triangular | 1,20 x 2000 x 1000 mm | 23,00 |
| Lambril Triangular | 1,20 x 2500 x 1000 mm | 29,00 |

| Descricao | Dimensao / Espessura | Descricao | Dimensao / Espessura |
|-----------------------|----------------------|----------------------|----------------------------|
| Degrau Xadrez Reto | 3,00 | Palheta Veneziana | 85 x 10 x 1,20 mm x 3000 |
| Degrau Xadrez Reto | 3,00 | Palheta Veneziana | 85 x 10 x 0,90 mm x 3000 |
| Degrau Xadrez Reto | 3,00 | Baguete | 10 x 10 x 1,20 mm x 6000 |
| Degrau Xadrez Reto | 3,00 | Baguete | 10 x 10 x 0,90 mm x 6000 |
| Degrau Xadrez Caracol | 3,00 | Caixa de Contra Peso | 150 x 130 x 0,90 mm x 1000 |
| | | Trilho Central | 28 x 34 x 1,20 mm x 6000 |

TELHAS GALVANIZADAS E CAIXAS DE PORTAO BASCULANTE

| Esp.(mm) | Esp.(mm) | Descricao | Caixas de |
|----------|----------|----------------|-----------|
| 0,43 | 0,43 | c/Guia c/Tampa | 180x |
| 0,50 | 0,50 | c/Guia c/Tampa | 180x |
| 0,65 | 0,65 | c/Guia c/Tampa | 180x |
| 0,80 | 0,80 | c/Guia c/Tampa | 180x |
| 0,95 | 0,95 | s/Guia c/Tampa | 199x |
| 1,25 | 1,25 | s/Guia c/Tampa | 199x |
| | | s/Guia c/Tampa | 190x |

FALE COM A NOSSA EQUIPE

Solicite seu orçamento agora mesmo!

| ENDEREÇO | TELEFONE / WHATSAPP | E-MAIL / INSTAGRAM |
|---|---------------------|--|
| Rua Costa Rica, 258 Penha — Rio de Janeiro, RJ | (21) 2018-4218 | vendas@dgacomercial.com @dgacomercial |

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