

Catalogo de Productos



Perfiles tubulares en lamina pintada
negra y galvanizada

Tubería Industrial

Tubería galvanizada y negra para conducción

Tubo estructural cedula 30 y 40 en diámetros de

6", 8", 10", 12", 14" y 16"

Perfiles estructurales R.P.T. y H.S.S.

Polines estructurales

www.apsa.com.mx

PERFILES PARA PUERTAS

PERFILES PARA VENTANAS



145

Marco para puerta, según diseño, se encuentra con y sin tope para puerta abatibles, así como marcos dobles para puerta abatible y con mosquitera.



112



410 | 236

Forma la hoja de la puerta, su ceja le permite sujetar vidrio, duela, tablero y mosquitera.



131

132

Se utiliza para puertas, paneles o divisiones, se ensambla por los engargolados laterales.



114

Sujeta el vidrio con ayuda de la ceja del perfil.



237 | 239

Soporte central de la puerta, su ceja le permite sujetar vidrio, duela, tablero y mosquitera.



149



148



147



204

Se utiliza como marco superior y laterales de ventana, su ceja sostiene el vidrio o una mosquitera.



201

Es la parte superior o laterales del marco interior de la ventana corrediza o abatible, la ceja sostiene al vidrio.



211

Se utiliza como riel superior en ventana corrediza.



114

Sujeta el vidrio con la ceja a los perfiles.



206

Es colocada en la parte inferior del marco de la ventana, en su ceja se desliza un perfil y en el escalón sostiene el vidrio esto en ventanas corredizas.



205

Es colocada en la parte inferior del marco de la ventana, con la ranura se desliza sobre el perfil y con la ceja sostiene el vidrio.



219

Es colocada en la parte central de la ventana, su ceja le permite sostener el vidrio o el perfil de uso mosquitero.



101

Sostiene la tela mosquitera, la ranura sostiene la tela con la ayuda de un empaque



Se utiliza para puertas, portones, paneles o divisiones, cubren mayor espacio



POLÍN ESTRUCTURAL

PERFIL TUBULAR

Formado en frío con dos patines atiestados

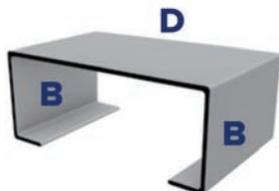


TABLA DE PESOS Y CALIBRES

| Dimensiones de secciones Dx B | | Calibre | Longitud en metros | kilos por pieza | piezas por paquete |
|-------------------------------|----------|---------|--------------------|-----------------|--------------------|
| pulg. | mm | | | | |
| 3 X 1 1/2" | 76 X 38 | 16 | 6 | 11.96 | 70 |
| 3 X 1 1/2" | 76 X 38 | 14 | 6 | 14.40 | 70 |
| 3 X 1 1/2" | 76 X 38 | 12 | 6 | 20.75 | 70 |
| 4 X 1 1/2" | 101 X 38 | 14 | 6 | 17.70 | 70 |
| 4 X 1 1/2" | 101 X 38 | 12 | 6 | 23.95 | 70 |
| 4 X 2" | 101 X 50 | 16 | 6 | 16.32 | 70 |
| 4 X 2" | 101 X 50 | 14 | 4 | 13.10 | 70 |
| 4 X 2" | 101 X 50 | 14 | 5 | 16.40 | 70 |
| 4 X 2" | 101 X 50 | 14 | 6 | 19.70 | 70 |
| 4 X 2" | 101 X 50 | 12 | 6 | 27.10 | 70 |
| 4 X 2" | 101 X 50 | 10 | 6 | 34.50 | 70 |
| 5 X 2" | 127 X 50 | 14 | 5 | 18.40 | 48 |
| 5 X 2" | 127 X 50 | 14 | 6 | 22.10 | 48 |
| 5 X 2" | 127 X 50 | 12 | 6 | 30.30 | 48 |
| 5 X 2" | 127 X 50 | 10 | 6 | 38.90 | 48 |
| 6 X 2" | 152 X 50 | 16 | 6 | 19.40 | 64 |
| 6 X 2" | 152 X 50 | 14 | 6 | 24.40 | 64 |
| 6 X 2" | 152 X 50 | 12 | 6 | 33.50 | 64 |
| 6 X 2" | 152 X 50 | 10 | 6 | 42.70 | 64 |
| 8 X 2" 1/4" | 203 X 69 | 14 | 6 | 32.20 | 30 |
| 8 X 2" 1/4" | 203 X 69 | 12 | 6 | 44.30 | 30 |
| 8 X 2" 1/4" | 203 X 69 | 10 | 6 | 56.70 | 30 |
| 8 X 2" 1/4" | 203 X 69 | 14 | 8 | 43.00 | 30 |
| 8 X 2" 1/4" | 203 X 69 | 12 | 8 | 59.10 | 30 |
| 8 X 2" 1/4" | 203 X 69 | 10 | 8 | 75.70 | 30 |
| 8 X 2" 1/2" | 203 X 64 | 14 | 6 | 30.80 | 30 |
| 8 X 2" 1/2" | 203 X 64 | 12 | 6 | 42.70 | 30 |
| 8 X 2" 1/2" | 203 X 64 | 10 | 6 | 54.70 | 30 |
| 8 X 2" 1/2" | 203 X 64 | 14 | 8 | 41.00 | 30 |
| 8 X 2" 1/2" | 203 X 64 | 12 | 8 | 56.90 | 30 |
| 8 X 2" 1/2" | 203 X 64 | 10 | 8 | 72.90 | 30 |
| 10 X 2" 1/4 | 254 X 69 | 14 | 10 | 61.10 | 20 |
| 10 X 2" 1/4 | 254 X 69 | 12 | 10 | 84.60 | 20 |
| 10 X 2" 1/4 | 254 X 69 | 10 | 10 | 108.30 | 20 |
| 12 X 3" 1/2 | 304 X 89 | 14 | 12 | 89.82 | 20 |
| 12 X 3" 1/2 | 304 X 89 | 12 | 12 | 124.50 | 20 |
| 12 X 3" 1/2 | 304 X 89 | 10 | 12 | 159.60 | 20 |

Pesos teóricos calculados según especificaciones del fabricante de lámina pudiendo estos tener una variación de +- 5%

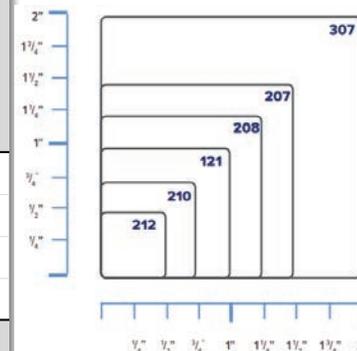


Polines pintados, galvanizados y en lámina negra

PERFIL CUADRADO

| Producto | Medida | | Calibre | Longitud en metros | kilos por pieza | piezas por paquete |
|----------|----------|----|---------|--------------------|-----------------|--------------------|
| | pulg. | mm | | | | |
| 212 | 1/2" | 13 | 20 | 6.00 | 2.200 | 100 |
| | | | 18 | 6.00 | 2.900 | 100 |
| | | | 16 | 6.00 | 3.600 | 100 |
| 210 | 3/4" | 19 | 20 | 6.00 | 3.200 | 100 |
| | | | 18 | 6.00 | 4.250 | 100 |
| | | | 16 | 6.00 | 5.250 | 100 |
| | | | 14 | 6.00 | 6.650 | 100 |
| 121 | 1" | 25 | 20 | 6.00 | 4.300 | 100 |
| | | | 18 | 6.00 | 5.650 | 100 |
| | | | 16 | 6.00 | 7.000 | 100 |
| | | | 14 | 6.00 | 8.650 | 120 |
| 208 | 1 x 1/4" | 32 | 20 | 6.00 | 5.400 | 100 |
| | | | 18 | 6.00 | 7.200 | 100 |
| | | | 16 | 6.00 | 8.960 | 100 |
| 207 | 1 1/2" | 38 | 20 | 6.00 | 6.600 | 100 |
| | | | 18 | 6.00 | 8.750 | 100 |
| | | | 16 | 6.00 | 10.900 | 100 |
| | | | 14 | 6.00 | 13.080 | 72 |
| 307 | 2" | 51 | 18 | 6.00 | 11.600 | 56 |
| | | | 16 | 6.00 | 14.450 | 56 |
| | | | 14 | 6.00 | 17.700 | 56 |

Formado con lámina rolado en frío y rolado en caliente



Pesos teóricos calculados según especificaciones del fabricante de lámina pudiendo estos tener una variación de +- 5%



Polines pintados, galvanizados y en lámina negra

PERFIL TUBULAR

PERFIL TUBULAR

| PERFILES RECTANGULARES | | | | | | |
|------------------------|-------------|---------|---------|--------------------|-----------------|--------------------|
| Producto | Medida | | Calibre | Longitud en metros | kilos por pieza | piezas por paquete |
| | pulg. | mm | | | | |
| 215 | 1" X 1/2" | 25 X 13 | 18 | 6.00 | 5.650 | 100 |
| | | | 20 | 6.00 | 6.600 | 100 |
| 229 | 1 1/2" X 1" | 38 X 25 | 18 | 6.00 | 8.750 | 100 |
| | | | 16 | 6.00 | 10.900 | 100 |
| | | | 14 | 6.00 | 13.080 | 72 |
| 223 | 3" x 1 1/4" | 75 X 32 | 20 | 6.00 | 9.600 | 50 |
| | | | 18 | 6.00 | 12.800 | 50 |
| | | | 16 | 6.00 | 15.950 | 50 |
| | | | 14 | 6.00 | 19.500 | 50 |

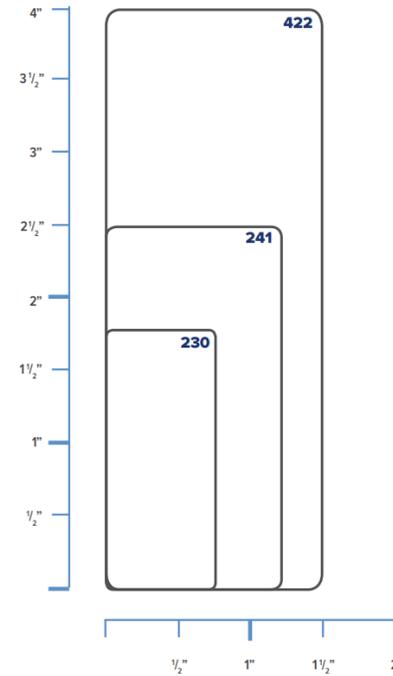
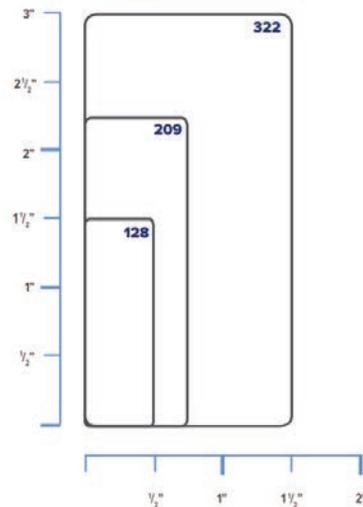
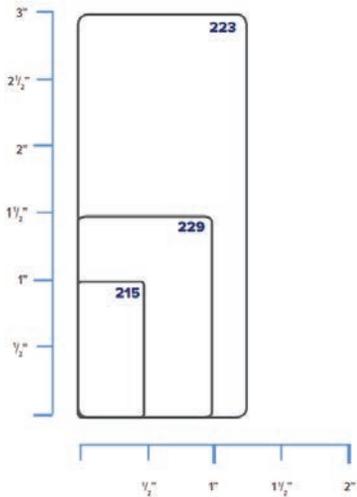
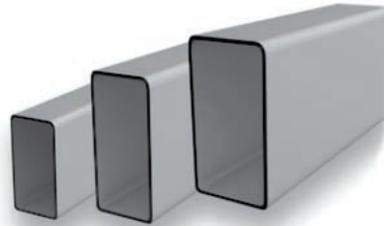
| PERFILES RECTANGULARES | | | | | | |
|------------------------|---------------|---------|---------|--------------------|-----------------|--------------------|
| Producto | Medida | | Calibre | Longitud en metros | kilos por pieza | piezas por paquete |
| | pulg. | mm | | | | |
| 128 | 1" 1/2 X 1/2" | 38 x 13 | 18 | 6.00 | 5.650 | 100 |
| | | | 20 | 6.00 | 6.600 | 100 |
| | | | 18 | 6.00 | 8.750 | 100 |
| 209 | 2 1/4" X 3/4" | 57 x 19 | 16 | 6.00 | 10.900 | 100 |
| | | | 14 | 6.00 | 13.080 | 72 |
| | | | 20 | 6.00 | 9.600 | 50 |
| 322 | 3" x 1 1/2" | 75 x 38 | 18 | 6.00 | 12.800 | 50 |
| | | | 16 | 6.00 | 15.950 | 50 |
| | | | 14 | 6.00 | 19.500 | 50 |

| PERFILES RECTANGULARES | | | | | | |
|------------------------|---------------|----------|---------|--------------------|-----------------|--------------------|
| Producto | Medida | | Calibre | Longitud en metros | kilos por pieza | piezas por paquete |
| | pulg. | mm | | | | |
| 230 | 1" 3/4 X 3/4" | 45 x 19 | 20 | 6.00 | 5.400 | 100 |
| | | | 18 | 6.00 | 7.200 | 100 |
| | | | 16 | 6.00 | 8.960 | 100 |
| 241 | 1 1/2" X 1" | 63 x 32 | 20 | 6.00 | 8.000 | 50 |
| | | | 18 | 6.00 | 10.600 | 50 |
| | | | 16 | 6.00 | 13.200 | 50 |
| | | | 14 | 6.00 | 16.400 | 50 |
| 422 | 3" x 1 1/4" | 102 x 38 | 20 | 6.00 | 11.850 | 50 |
| | | | 18 | 6.00 | 15.750 | 50 |
| | | | 16 | 6.00 | 19.650 | 50 |
| | | | 14 | 6.00 | 24.500 | 50 |

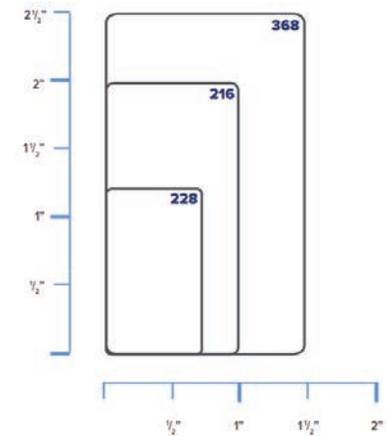
| PERFILES RECTANGULARES | | | | | | |
|------------------------|-----------------|---------|---------|--------------------|-----------------|--------------------|
| Producto | Medida | | Calibre | Longitud en metros | kilos por pieza | piezas por paquete |
| | pulg. | mm | | | | |
| 228 | 1" 1/4 X 3/4" | 32 x 19 | 20 | 6.00 | 4.300 | 100 |
| | | | 18 | 6.00 | 5.650 | 100 |
| | | | 16 | 6.00 | 7.000 | 100 |
| | | | 14 | 6.00 | 8.650 | 120 |
| 216 | 2" x 1" | 51 x 25 | 20 | 6.00 | 6.600 | 100 |
| | | | 18 | 6.00 | 8.750 | 100 |
| | | | 16 | 6.00 | 10.900 | 100 |
| | | | 14 | 6.00 | 13.080 | 64 |
| 368 | 2 1/2" x 1 1/2" | 63 x 38 | 20 | 6.00 | 8.500 | 50 |
| | | | 18 | 6.00 | 11.260 | 50 |
| | | | 14 | 6.00 | 17.480 | 50 |

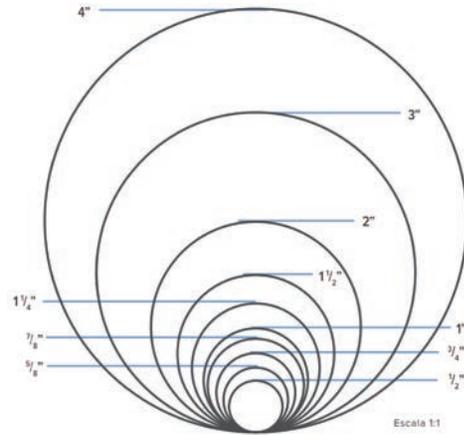
Formado con lámina rolando en frío y rolando en caliente

Pesos teóricos calculados según especificaciones del fabricante de lámina pudiendo estos tener una variación de +- 5%



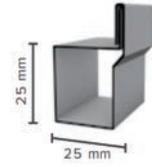
Formado con lámina rolando en frío y rolando en caliente



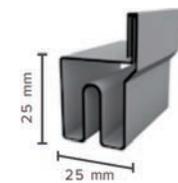


| TABLA DE PESOS Y CALIBRES en 6 m | | | | |
|----------------------------------|------|---------|-----------------|-----------------|
| Dimensiones de secciones Dx B | | Calibre | kilos por metro | kilos por pieza |
| pulg. | mm | | | |
| 1/2" | 12.7 | 22 | 0.240 | 1.440 |
| 1/2" | 12.7 | 20 | 0.285 | 1.714 |
| 1/2" | 12.7 | 18 | 0.380 | 2.287 |
| 1/2" | 12.7 | 16 | 0.460 | 2.787 |
| 5/8" | 15.9 | 22 | 0.293 | 1.760 |
| 5/8" | 15.9 | 20 | 0.350 | 2.124 |
| 5/8" | 15.9 | 18 | 0.470 | 2.820 |
| 5/8" | 15.9 | 16 | 0.578 | 3.470 |
| 3/4" | 19.0 | 22 | 0.353 | 2.117 |
| 3/4" | 19.0 | 20 | 0.425 | 2.555 |
| 3/4" | 19.0 | 18 | 0.569 | 3.419 |
| 3/4" | 19.0 | 16 | 0.697 | 4.183 |
| 7/8" | 22.2 | 22 | 0.413 | 2.479 |
| 7/8" | 22.2 | 20 | 0.498 | 2.992 |
| 7/8" | 22.2 | 18 | 0.667 | 4.005 |
| 7/8" | 22.2 | 16 | 0.821 | 4.926 |
| 1" | 25.4 | 22 | 0.462 | 2.772 |
| 1" | 25.4 | 20 | 0.557 | 3.345 |
| 1" | 25.4 | 18 | 0.746 | 4.480 |

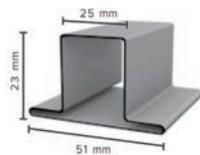
| TABLA DE PESOS Y CALIBRES en 6 m | | | | |
|----------------------------------|-------|---------|-----------------|-----------------|
| Dimensiones de secciones Dx B | | Calibre | kilos por metro | kilos por pieza |
| pulg. | mm | | | |
| 1" | 25.4 | 16 | 0.914 | 5.485 |
| 1 1/4" | 31.8 | 22 | 0.572 | 3.435 |
| 1 1/4" | 31.8 | 20 | 0.691 | 4.146 |
| 1 1/4" | 31.8 | 18 | 0.923 | 5.539 |
| 1 1/4" | 31.8 | 16 | 1.133 | 6.800 |
| 1 1/2" | 38.1 | 22 | 0.702 | 4.215 |
| 1 1/2" | 38.1 | 20 | 0.846 | 5.007 |
| 1 1/2" | 38.1 | 18 | 1.136 | 6.818 |
| 1 1/2" | 38.1 | 16 | 1.399 | 8.397 |
| 2" | 50.8 | 22 | 0.923 | 5.539 |
| 2" | 50.8 | 20 | 1.114 | 6.685 |
| 2" | 50.8 | 18 | 1.419 | 8.948 |
| 2" | 50.8 | 16 | 1.825 | 10.953 |
| 3" | 76.2 | 20 | 1.745 | 10.473 |
| 3" | 76.2 | 18 | 2.317 | 13.905 |
| 3" | 76.2 | 16 | 2.889 | 17.395 |
| 4" | 101.6 | 14 | 4.860 | 28.160 |
| 4" | 101.6 | 16 | 3.830 | 23.000 |
| 4" | 101.6 | 18 | 2.990 | 17.940 |



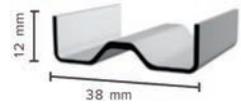
| PERFIL 201 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 20 | 5.650 | 100 |
| 18 | 7.500 | 100 |



| PERFIL 205 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 20 | 6.500 | 100 |
| 18 | 8.550 | 100 |



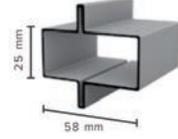
| PERFIL 219 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 20 | 6.600 | 100 |
| 18 | 8.750 | 100 |



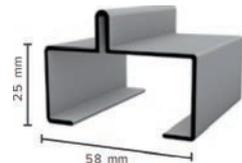
| PERFIL 118 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 20 | 2.600 | 800 |



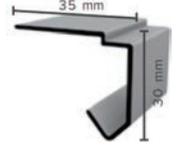
| PERFIL 233 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 20 | 6.600 | 100 |
| 18 | 8.750 | 100 |



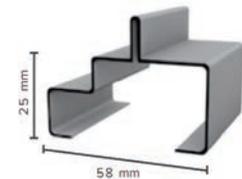
| PERFIL 242 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 20 | 8.500 | 50 |
| 18 | 11.260 | 50 |



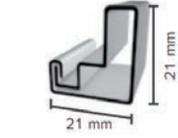
| PERFIL 204 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 20 | 5.800 | 100 |
| 18 | 7.700 | 100 |



| PERFIL 211 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 18 | 4.000 | 100 |



| PERFIL 206 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 20 | 5.800 | 100 |
| 18 | 7.700 | 100 |



| PERFIL 101 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 20 | 3.700 | 100 |



| PERFIL 301 | | |
|------------|----------|------------|
| calibre | peso 6 m | pzs. atado |
| 18 | 10.100 | 50 |



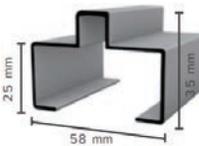
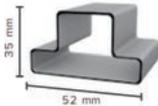
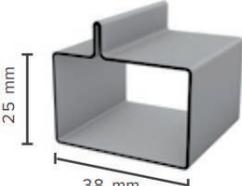
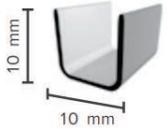
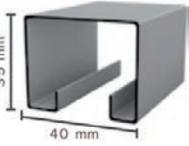
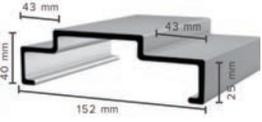
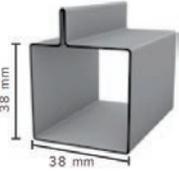
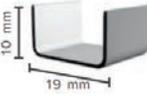
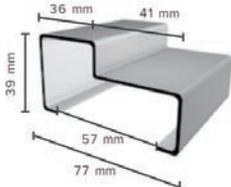
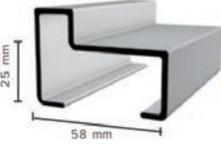
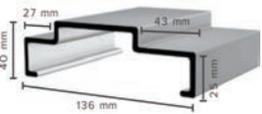
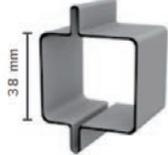
Pesos teóricos calculados según especificaciones del fabricante de lámina pudiendo estos tener una variación de +- 5%

Pesos teóricos calculados según especificaciones del fabricante de lámina pudiendo estos tener una variación de +- 5%



PERFIL TUBULAR

PERFIL TUBULAR

|  <p>102 mm 38 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 410</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>12.700</td> <td>50</td> </tr> <tr> <td>18</td> <td>16.900</td> <td>50</td> </tr> </tbody> </table> | PERFIL 410 | | | calibre | peso 6 m | pzs. atado | 20 | 12.700 | 50 | 18 | 16.900 | 50 |  <p>25 mm 58 mm 35 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 104</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>5.800</td> <td>100</td> </tr> <tr> <td>18</td> <td>7.700</td> <td>100</td> </tr> </tbody> </table> | PERFIL 104 | | | calibre | peso 6 m | pzs. atado | 20 | 5.800 | 100 | 18 | 7.700 | 100 |  <p>25 mm 58 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 243</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>7.800</td> <td>50</td> </tr> <tr> <td>18</td> <td>10.350</td> <td>50</td> </tr> </tbody> </table> | PERFIL 243 | | | calibre | peso 6 m | pzs. atado | 20 | 7.800 | 50 | 18 | 10.350 | 50 |  <p>75 mm 38 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 310</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>10.500</td> <td>50</td> </tr> <tr> <td>18</td> <td>13.950</td> <td>50</td> </tr> </tbody> </table> | PERFIL 310 | | | calibre | peso 6 m | pzs. atado | 20 | 10.500 | 50 | 18 | 13.950 | 50 |
|--|--|------------|--|--|---------|------------|------------|----|--------|-----|---|---|------------|--|--|------------|------------|------------|---------|------------|------------|----|--------|-----|--|--|------------|--|--|------------|----------|------------|---------|----------|------------|----|-------|-----|--|--|------------|--|--|------------|----------|------------|---------|----------|------------|----|--------|------|----|--------|------|
| PERFIL 410 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 12.700 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 16.900 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 104 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 5.800 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 7.700 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 243 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 7.800 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 10.350 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 310 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 10.500 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 13.950 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>75 mm 38 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 239</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>11.400</td> <td>50</td> </tr> <tr> <td>18</td> <td>15.180</td> <td>50</td> </tr> </tbody> </table> | PERFIL 239 | | | calibre | peso 6 m | pzs. atado | 20 | 11.400 | 50 | 18 | 15.180 | 50 |  <p>35 mm 52 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 224</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>7.000</td> <td>100</td> </tr> <tr> <td>18</td> <td>9.000</td> <td>100</td> </tr> </tbody> </table> | PERFIL 224 | | | calibre | peso 6 m | pzs. atado | 20 | 7.000 | 100 | 18 | 9.000 | 100 |  <p>25 mm 38 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 236</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>6.100</td> <td>100</td> </tr> <tr> <td>18</td> <td>8.100</td> <td>100</td> </tr> </tbody> </table> | PERFIL 236 | | | calibre | peso 6 m | pzs. atado | 20 | 6.100 | 100 | 18 | 8.100 | 100 |  <p>10 mm 10 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 114</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>1.100</td> <td>2000</td> </tr> <tr> <td>18</td> <td>1.500</td> <td>2000</td> </tr> </tbody> </table> | PERFIL 114 | | | calibre | peso 6 m | pzs. atado | 20 | 1.100 | 2000 | 18 | 1.500 | 2000 |
| PERFIL 239 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 11.400 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 15.180 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 224 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 7.000 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 9.000 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 236 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 6.100 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 8.100 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 114 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1.100 | 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 1.500 | 2000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>35 mm 40 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 127</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>18</td> <td>7.400</td> <td>100</td> </tr> </tbody> </table> | PERFIL 127 | | | calibre | peso 6 m | pzs. atado | 18 | 7.400 | 100 |  <p>43 mm 40 mm 152 mm 21 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 146</th> </tr> <tr> <th>calibre</th> <th>peso 5.5 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>9.400</td> <td>56</td> </tr> <tr> <td>18</td> <td>12.500</td> <td>56</td> </tr> </tbody> </table> | PERFIL 146 | | | calibre | peso 5.5 m | pzs. atado | 20 | 9.400 | 56 | 18 | 12.500 | 56 |  <p>38 mm 38 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 234</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>7.500</td> <td>100</td> </tr> <tr> <td>18</td> <td>9.900</td> <td>100</td> </tr> </tbody> </table> | PERFIL 234 | | | calibre | peso 6 m | pzs. atado | 20 | 7.500 | 100 | 18 | 9.900 | 100 |  <p>10 mm 19 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 117</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>1.500</td> <td>1200</td> </tr> </tbody> </table> | PERFIL 117 | | | calibre | peso 6 m | pzs. atado | 20 | 1.500 | 1200 | | | | | | |
| PERFIL 127 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 7.400 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 146 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 5.5 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 9.400 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 12.500 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 234 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 7.500 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 9.900 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 117 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 1.500 | 1200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>36 mm 41 mm 39 mm 57 mm 77 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 113</th> </tr> <tr> <th>calibre</th> <th>peso 5.5 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>6.400</td> <td>100</td> </tr> <tr> <td>18</td> <td>8.730</td> <td>100</td> </tr> </tbody> </table> | PERFIL 113 | | | calibre | peso 5.5 m | pzs. atado | 20 | 6.400 | 100 | 18 | 8.730 | 100 |  <p>25 mm 58 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 112</th> </tr> <tr> <th>calibre</th> <th>peso 5.5 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>5.700</td> <td>100</td> </tr> <tr> <td>18</td> <td>7.560</td> <td>100</td> </tr> </tbody> </table> | PERFIL 112 | | | calibre | peso 5.5 m | pzs. atado | 20 | 5.700 | 100 | 18 | 7.560 | 100 |  <p>51 mm 38 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 261</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8.300</td> <td>50</td> </tr> <tr> <td>18</td> <td>10.950</td> <td>50</td> </tr> </tbody> </table> | PERFIL 261 | | | calibre | peso 6 m | pzs. atado | 20 | 8.300 | 50 | 18 | 10.950 | 50 |  <p>25 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 237</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>7.000</td> <td>100</td> </tr> <tr> <td>18</td> <td>9.000</td> <td>100</td> </tr> </tbody> </table> | PERFIL 237 | | | calibre | peso 6 m | pzs. atado | 20 | 7.000 | 100 | 18 | 9.000 | 100 |
| PERFIL 113 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 5.5 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 6.400 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 8.730 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 112 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 5.5 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 5.700 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 7.560 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 261 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 8.300 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 10.950 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 237 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 7.000 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 9.000 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>27 mm 43 mm 40 mm 136 mm 25 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 145</th> </tr> <tr> <th>calibre</th> <th>peso 5.5 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8.750</td> <td>56</td> </tr> <tr> <td>18</td> <td>11.600</td> <td>56</td> </tr> </tbody> </table> | PERFIL 145 | | | calibre | peso 5.5 m | pzs. atado | 20 | 8.750 | 56 | 18 | 11.600 | 56 |  <p>62 mm 17 mm 12 mm 17 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 227</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>16</td> <td>14.500</td> <td>50</td> </tr> <tr> <td>14</td> <td>17.300</td> <td>50</td> </tr> </tbody> </table> | PERFIL 227 | | | calibre | peso 6 m | pzs. atado | 16 | 14.500 | 50 | 14 | 17.300 | 50 |  <p>63 mm 38 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 268</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>9.300</td> <td>50</td> </tr> <tr> <td>18</td> <td>12.350</td> <td>50</td> </tr> </tbody> </table> | PERFIL 268 | | | calibre | peso 6 m | pzs. atado | 20 | 9.300 | 50 | 18 | 12.350 | 50 |  <p>38 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 235</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>8.500</td> <td>60</td> </tr> <tr> <td>18</td> <td>11.260</td> <td>60</td> </tr> </tbody> </table> | PERFIL 235 | | | calibre | peso 6 m | pzs. atado | 20 | 8.500 | 60 | 18 | 11.260 | 60 |
| PERFIL 145 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 5.5 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 8.750 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 11.600 | 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 227 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | 14.500 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | 17.300 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 268 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 9.300 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 12.350 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 235 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 8.500 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 11.260 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  <p>11 mm 62 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 225</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>6.600</td> <td>100</td> </tr> <tr> <td>18</td> <td>8.750</td> <td>100</td> </tr> </tbody> </table> | PERFIL 225 | | | calibre | peso 6 m | pzs. atado | 20 | 6.600 | 100 | 18 | 8.750 | 100 |  <p>50 mm 38 mm</p> | <table border="1"> <thead> <tr> <th colspan="3">PERFIL 238</th> </tr> <tr> <th>calibre</th> <th>peso 6 m</th> <th>pzs. atado</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>9.300</td> <td>50</td> </tr> <tr> <td>18</td> <td>12.600</td> <td>50</td> </tr> </tbody> </table> | PERFIL 238 | | | calibre | peso 6 m | pzs. atado | 20 | 9.300 | 50 | 18 | 12.600 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 225 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 6.600 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 8.750 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PERFIL 238 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| calibre | peso 6 m | pzs. atado | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | 9.300 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | 12.600 | 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Pesos teóricos calculados según especificaciones del fabricante de lámina pudiendo estos tener una variación de +- 5%

Pesos teóricos calculados según especificaciones del fabricante de lámina pudiendo estos tener una variación de +- 5%

Polines pintados, galvanizados y en lámina negra

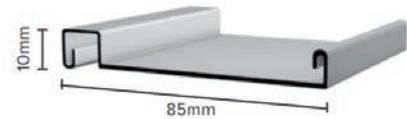
Polines pintados, galvanizados y en lámina negra

TABLEROS Y DUELA

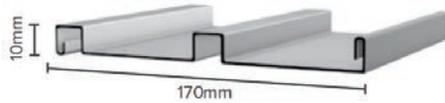
TUBO ESTRUCTURAL CÉDULA 30 Y 40

TABLEROS

| Medida Ancho | | Medida Largo | | Calibre | Peso por pieza Kogramos |
|--------------|--------|--------------|--------|---------|-------------------------|
| pies | metros | Pulg | Metros | | |
| 3 | 0.91 | 3" | 0.91 | 20 | 6.06 |
| 3 | 0.91 | 6" | 1.83 | 20 | 12.12 |
| 3 | 0.91 | 8" | 2.44 | 20 | 16.18 |
| 3 | 0.91 | 10" | 3.05 | 20 | 20.21 |
| 4 | 1.22 | 3" | 0.91 | 20 | 8.08 |
| 4 | 1.22 | 4" | 1.22 | 20 | 10.78 |
| 4 | 1.22 | 6" | 1.83 | 20 | 16.17 |
| 4 | 1.22 | 8" | 2.44 | 20 | 21.56 |
| 4 | 0.91 | 10" | 3.05 | 20 | 26.95 |
| 3 | 0.91 | 3" | 0.91 | 22 | 5.05 |
| 3 | 0.91 | 6" | 1.83 | 22 | 10.1 |
| 3 | 0.91 | 8" | 2.44 | 22 | 13.47 |
| 3 | 0.91 | 10" | 3.05 | 22 | 16.84 |
| 4 | 1.22 | 3" | 0.91 | 22 | 6.74 |
| 4 | 1.22 | 6" | 1.22 | 22 | 8.98 |
| 4 | 1.22 | 6" | 1.83 | 22 | 13.48 |
| 4 | 1.22 | 8" | 2.44 | 22 | 17.97 |
| 4 | 1.22 | 10" | 3.05 | 22 | 22.46 |



| Perfil 131 | | |
|------------|----------|--------------|
| Calibre | Peso 6 m | Piezas atado |
| 20 | 5.300 | 100 |



| Perfil 132 | | |
|------------|----------|--------------|
| Calibre | Peso 6 m | Piezas atado |
| 20 | 9.550 | 100 |

TUBO ESTRUCTURAL Largo 6.20 m

| Diámetro nominal Pulgadas | Diámetro exterior | | Espesor | | Peso por metro | Peso por pieza kilogramos |
|---------------------------|-------------------|-------|---------|------|----------------|---------------------------|
| | pulg. | mm | pulg. | mm | | |
| 6" | 6.625" | 168.3 | 0.188" | 4.78 | 19.77 | 119.47 |
| 6" | 6.625" | 168.3 | 0.250" | 6.35 | 25.36 | 152.23 |
| 6" | 6.625" | 168.3 | 0.280" | 7.11 | 28.26 | 175.21 |
| 8" | 8.625" | 219.1 | 0.188" | 4.78 | 25.37 | 157.29 |
| 8" | 8.625" | 219.1 | 0.250" | 6.35 | 33.31 | 206.52 |
| 8" | 8.625" | 219.1 | 0.322" | 8.18 | 42.55 | 263.81 |
| 10" | 10.750" | 273.0 | 0.188" | 4.78 | 31.76 | 196.91 |
| 10" | 10.750" | 273.0 | 0.250" | 6.35 | 42.09 | 260.96 |
| 10" | 10.750" | 273.0 | 0.365" | 9.27 | 60.5 | 375.1 |
| 12" | 12.750" | 323.8 | 0.219" | 5.56 | 43.63 | 270.506 |
| 12" | 12.750" | 323.8 | 0.250" | 6.35 | 49.71 | 308.202 |
| 12" | 12.750" | 323.8 | 0.312" | 7.92 | 61.69 | 382.478 |
| 12" | 12.750" | 323.8 | 0.375" | 9.52 | 73.78 | 457.436 |
| 14" | 14.0" | 355.6 | 0.219" | 5.56 | 47.99 | 297.538 |
| 14" | 14.0" | 355.6 | 0.250" | 6.35 | 54.69 | 339.078 |
| 14" | 14.0" | 355.6 | 0.312" | 7.92 | 67.9 | 420.98 |
| 14" | 14.0" | 355.6 | 0.375" | 9.52 | 81.25 | 503.75 |
| 16" | 16.0" | 406.4 | 0.219" | 5.56 | 54.96 | 340.752 |
| 16" | 16.0" | 406.4 | 0.250" | 6.35 | 62.64 | 388.368 |
| 16" | 16.0" | 406.4 | 0.312" | 7.92 | 77.83 | 482.546 |
| 16" | 16.0" | 406.4 | 0.375" | 9.52 | 93.17 | 577.654 |

TUBO CÉDULA 30 Largo 6 m

| Diámetro nominal Pulgadas | Diámetro exterior | | Espesor | | Calibre | Peso por metro | Peso por pieza kilogramos |
|---------------------------|-------------------|---------|---------|------|---------|----------------|---------------------------|
| | pulg. | mm | pulg. | mm | | | |
| 1/2" | 0.840" | 21.34 | 0.075" | 1.90 | 14 | 5.76 | 1.27 |
| 3/4" | 1.050" | 26.67 | 0.075" | 1.90 | 14 | 6.78 | 1.27 |
| 1" | 1.315" | 33.40 | 0.075" | 1.90 | 14 | 9.00 | 91 |
| 1 1/4" | 1.660" | 42.16 | 0.090" | 2.28 | 13 | 14.10 | 91 |
| 1 1/2" | 1.900" | 48.26 | 0.090" | 2.28 | 13 | 16.20 | 61 |
| 2" | 2.375" | 60.33 | 0.105" | 2.66 | 12 | 23.70 | 37 |
| 2 1/2" | 2.875" | 73.03 | 0.105" | 2.66 | 12 | 27.78 | 37 |
| 3" | 3.500" | 88.90 | 0.120" | 3.04 | 11 | 40.20 | 24 |
| 4" | 4.500" | 114.30" | .0120" | 3.04 | 11 | 52.20 | 24 |

TUBO CÉDULA 40 Largo 6.00 m y 6.40 m

| Diámetro nominal Pulgadas | Diámetro exterior | | Espesor | | Peso por metro | | Piezas por paquete |
|---------------------------|-------------------|---------|---------|------|----------------|--------|--------------------|
| | pulg. | mm | pulg. | mm | 6.00 m | 6.40 m | |
| 1/2" | 0.840" | 21.34 | 0.109" | 2.77 | 7.61 | 8.12 | 127 |
| 3/4" | 1.050" | 26.67 | 0.113" | 2.87 | 10.14 | 10.82 | 91 |
| 1" | 1.315" | 33.40 | 0.133" | 3.38 | 15.01 | 16.01 | 61 |
| 1 1/4" | 1.660" | 42.16 | 0.140" | 3.56 | 20.33 | 21.69 | 51 |
| 1 1/2" | 1.900" | 48.26 | 0.145" | 3.68 | 24.29 | 25.91 | 44 |
| 2" | 2.375" | 60.33 | 0.154" | 3.91 | 32.63 | 34.81 | 37 |
| 2 1/2" | 2.875" | 73.03 | 0.203" | 5.16 | 51.77 | 55.22 | 19 |
| 3" | 3.500" | 88.90 | 0.216" | 5.49 | 67.76 | 72.28 | 13 |
| 4" | 4.500" | 114.30" | 0.237" | 6.02 | 96.38 | 102.81 | 10 |

PERFILES ESTRUCTURALES

PERFILES ESTRUCTURALES

TABLA DE PESOS Y CALIBRES

| Dimensiones exteriores (DxB) | | Espesor (T) | | | Color Identificación | Largo metro | Peso por kg/m | Peso por pieza kiloaramo | Peso por paquete kg. | Tramos por paq. |
|------------------------------|---------|-------------|---------|------|----------------------|-------------|---------------|--------------------------|----------------------|-----------------|
| pulg. | mm | cal. | pulg. | mm | | | | | | |
| 3/4" x 3/4" | 19 x 19 | 14 | 0.747" | 1.89 | azul | 6.10 | 1.09 | 6.56 | 656 | 100 |
| 1" x 1" | 25 x 25 | 14 | 0.747" | 1.89 | azul | 6.10 | 1.44 | 8.64 | 1037 | 120 |
| 1" x 1" | 25 x 25 | 12 | 0.1046" | 2.66 | verde | 6.10 | 1.87 | 11.22 | 1122 | 100 |
| 1" x 1" | 25 x 25 | 10 | 0.1345" | 3.42 | rojo | 6.10 | 2.27 | 13.62 | 1103 | 81 |
| 1 1/4" x 1 1/4" | 32 x 32 | 14 | 0.0747" | 1.89 | azul | 6.10 | 1.78 | 10.68 | 1068 | 100 |
| 1 1/4" x 1 1/4" | 32 x 32 | 12 | 0.1046" | 2.66 | blanco | 6.10 | 2.48 | 14.90 | 1073 | 72 |
| 1 1/2" x 1 1/2" | 38 x 38 | 14 | 0.0747" | 1.89 | azul | 6.10 | 2.18 | 13.08 | 942 | 72 |
| 1 1/2" x 1 1/2" | 38 x 38 | 12 | 0.1046" | 2.66 | blanco | 6.10 | 2.96 | 17.76 | 995 | 56 |
| 1 1/2" x 1 1/2" | 38 x 38 | 11 | 0.1196" | 3.04 | verde | 6.10 | 3.33 | 19.98 | 979 | 49 |
| 1 1/2" x 1 1/2" | 38 x 38 | 9 | 0.1495" | 3.80 | rojo | 6.10 | 4.02 | 24.12 | 1013 | 42 |
| 2" x 2" | 51 x 51 | 14 | 0.0747" | 1.89 | azul | 6.10 | 2.95 | 17.70 | 991 | 56 |
| 2" x 2" | 51 x 51 | 11 | 0.1196" | 3.04 | verde | 6.10 | 4.55 | 27.30 | 983 | 36 |
| 2" x 2" | 51 x 51 | 9 | 0.1495" | 3.80 | rojo | 6.10 | 5.56 | 33.36 | 1001 | 30 |
| 2 1/2" x 2 1/2" | 64 x 64 | 14 | 0.0747" | 1.89 | azul | 6.10 | 3.69 | 22.14 | 930 | 42 |
| 2 1/2" x 2 1/2" | 64 x 64 | 11 | 0.1196" | 3.04 | blanco | 6.10 | 5.82 | 34.92 | 1048 | 30 |
| 2 1/2" x 2 1/2" | 64 x 64 | 10 | 0.1345" | 3.42 | verde | 6.10 | 6.48 | 38.85 | 1059 | 27 |
| 2 1/2" x 2 1/2" | 64 x 64 | 9 | 0.1495" | 3.80 | verde | 6.10 | 7.13 | 42.78 | 1060 | 25 |
| 2 1/2" x 2 1/2" | 64 x 64 | 7 | 0.1793" | 4.55 | rojo | 6.10 | 8.37 | 50.22 | 1004 | 20 |
| 3" x 3" | 76 x 76 | 14 | 0.0747" | 1.89 | azul | 6.10 | 4.59 | 27.54 | 991 | 36 |
| 3" x 3" | 76 x 76 | 11 | 0.1196" | 3.04 | blanco | 6.10 | 7.09 | 42.54 | 1063 | 25 |
| 3" x 3" | 76 x 76 | 10 | 0.1345" | 3.42 | verde | 6.10 | 7.90 | 47.42 | 1054 | 22 |
| 3" x 3" | 76 x 76 | 9 | 0.1495" | 3.80 | verde | 6.10 | 8.72 | 52.32 | 1046 | 20 |
| 3" x 3" | 76 x 76 | 7 | 0.1793" | 4.55 | rojo | 6.10 | 10.28 | 61.68 | 987 | 16 |
| 3 1/2" x 3 1/2" | 89 x 89 | 14 | 0.0747" | 1.89 | azul | 6.10 | 5.27 | 31.62 | 1138 | 36 |
| 3 1/2" x 3 1/2" | 89 x 89 | 11 | 0.1196" | 3.04 | blanco | 6.10 | 8.34 | 50.04 | 1001 | 20 |
| 3 1/2" x 3 1/2" | 89 x 89 | 10 | 0.1345" | 3.42 | verde | 6.10 | 9.31 | 55.86 | 994 | 18 |

TABLA DE PESOS Y CALIBRES

| Dimensiones exteriores (DxB) | | Espesor (T) | | | Color Identificación | Largo metro | Peso por kg/m | Peso por pieza kiloaramo | Peso por paquete kg. | Tramos por paq. |
|------------------------------|-----------|-------------|---------|------|----------------------|-------------|---------------|--------------------------|----------------------|-----------------|
| pulg. | mm | cal. | pulg. | mm | | | | | | |
| 3 1/2" x 3 1/2" | 89 x 89 | 9 | 0.1495" | 3.80 | verde | 6.10 | 10.28 | 61.68 | 987 | 16 |
| 3 1/2" x 3 1/2" | 89 x 89 | 7 | 0.1793" | 4.55 | rojo | 6.10 | 12.16 | 71.96 | 1167 | 16 |
| 3" x 2" | 76 x 51 | 14 | 0.0747" | 1.89 | azul | 6.10 | 3.69 | 22.14 | 930 | 42 |
| 3" x 2" | 76 x 51 | 11 | 0.1196" | 3.04 | blanco | 6.10 | 5.82 | 34.92 | 1048 | 30 |
| 3" x 2" | 76 x 51 | 10 | 0.1345" | 3.42 | verde | 6.10 | 6.48 | 38.85 | 1058 | 27 |
| 3" x 2" | 76 x 51 | 9 | 0.1495" | 3.80 | verde | 6.10 | 7.13 | 42.78 | 1069 | 25 |
| 3" x 2" | 76 x 51 | 7 | 0.1793" | 4.55 | rojo | 6.10 | 8.37 | 50.22 | 1004 | 20 |
| 4" x 2" | 102 x 51 | 14 | 0.0747" | 1.89 | azul | 6.10 | 4.59 | 27.54 | 991 | 36 |
| 4" x 2" | 102 x 51 | 11 | 0.1196" | 3.04 | blanco | 6.10 | 7.09 | 42.54 | 1021 | 25 |
| 4" x 2" | 102 x 51 | 10 | 0.1345" | 3.42 | verde | 6.10 | 7.90 | 47.42 | 1033 | 22 |
| 4" x 2" | 102 x 51 | 9 | 0.1495" | 3.80 | verde | 6.10 | 8.72 | 52.32 | 1046 | 20 |
| 4" x 2" | 102 x 51 | 7 | 0.1793" | 4.55 | rojo | 6.10 | 10.28 | 61.68 | 1110 | 18 |
| 4" x 3" | 102 x 76 | 14 | 0.0747" | 1.89 | azul | 6.10 | 5.27 | 31.62 | 1138 | 36 |
| 4" x 3" | 102 x 76 | 11 | 0.1196" | 3.04 | blanco | 6.10 | 8.34 | 50.04 | 1001 | 20 |
| 4" x 3" | 102 x 76 | 10 | 0.1345" | 3.42 | verde | 6.10 | 9.31 | 55.86 | 994 | 18 |
| 4" x 3" | 102 x 76 | 9 | 0.1495" | 3.80 | verde | 6.10 | 10.28 | 61.68 | 987 | 16 |
| 4" x 3" | 102 x 76 | 7 | 0.1793" | 4.55 | rojo | 6.10 | 12.16 | 72.96 | 1167 | 16 |
| 4" x 4" | 102 x 102 | 14 | 0.0747" | 1.89 | azul | 6.10 | 6.03 | 36.18 | 1085 | 30 |
| 4" x 4" | 102 x 102 | 11 | 0.1196" | 3.04 | blanco | 6.10 | 9.60 | 57.60 | 1152 | 20 |
| 4" x 4" | 102 x 102 | 10 | 0.1345" | 3.42 | verde | 6.10 | 10.82 | 64.88 | 1153 | 18 |
| 4" x 4" | 102 x 102 | 9 | 0.1495" | 3.80 | verde | 6.10 | 12.03 | 72.18 | 1155 | 16 |
| 4" x 4" | 102 x 102 | 7 | 0.1793" | 4.55 | rojo | 6.10 | 14.30 | 85.80 | 1372 | 16 |
| 6" x 2" | 153 x 51 | 14 | 0.0747" | 1.89 | azul | 6.10 | 6.03 | 36.18 | 724 | 20 |
| 6" x 2" | 153 x 51 | 11 | 0.1196" | 3.04 | blanco | 6.10 | 9.60 | 57.60 | 1152 | 20 |
| 6" x 2" | 153 x 51 | 10 | 0.1345" | 3.42 | verde | 6.10 | 10.82 | 64.89 | 1298 | 20 |
| 6" x 2" | 153 x 51 | 9 | 0.1495" | 3.80 | verde | 6.10 | 12.03 | 72.18 | 1443 | 20 |



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