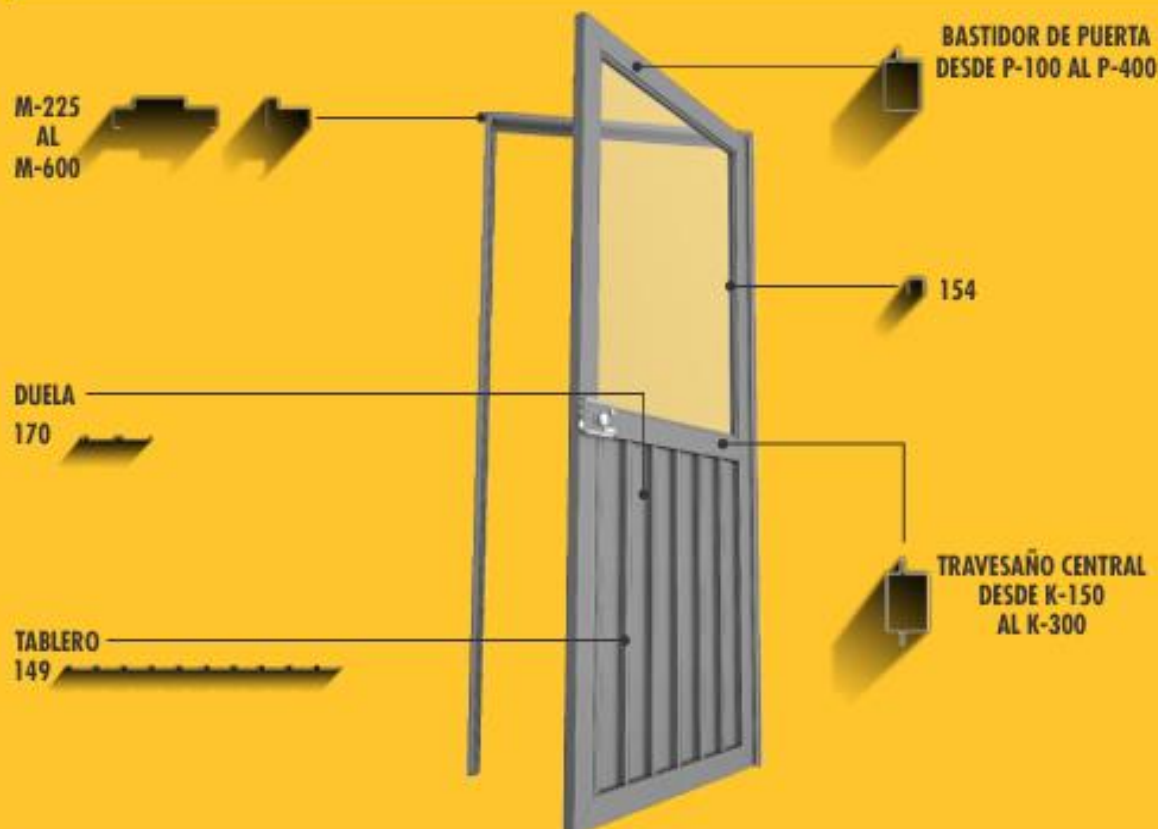


# PRODUCTOS

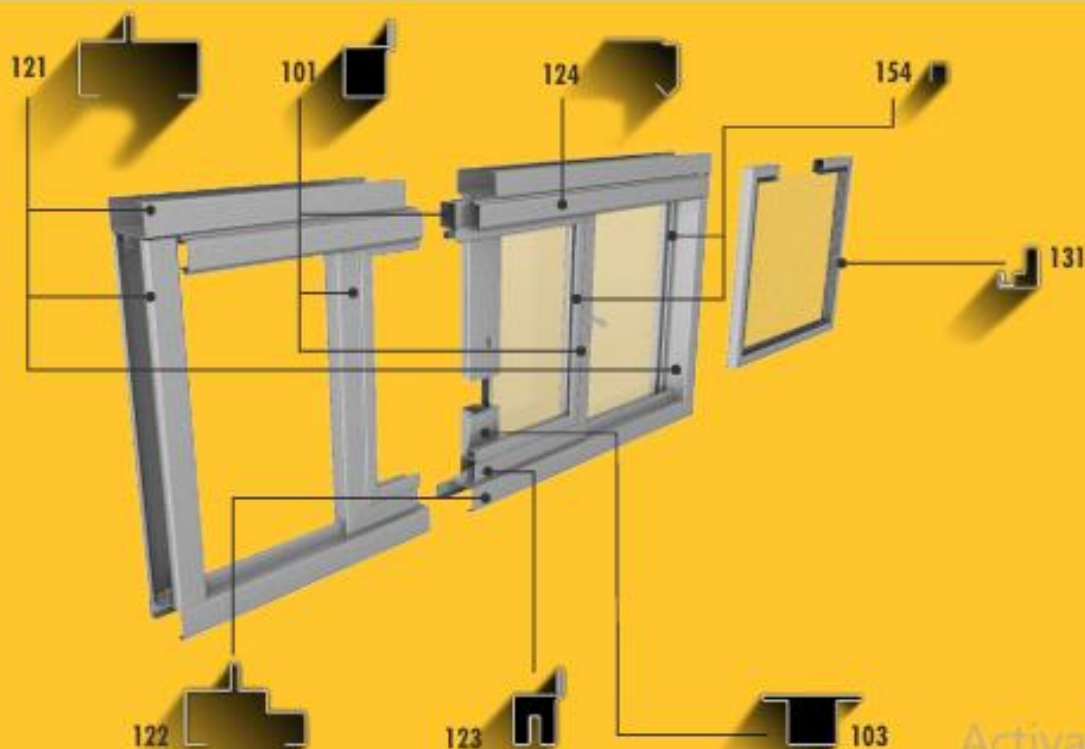


## EL PERFIL DE MÉXICO

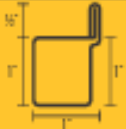
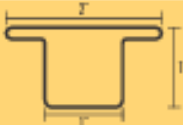
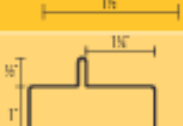
## PERFILES PARA PUERTAS



## PERFILES PARA VENTANAS



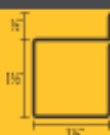
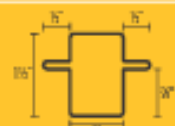
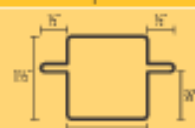
## PERFILES - VENTANAS

| Figura / Descripción                                                                    | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramos x metro |
|-----------------------------------------------------------------------------------------|-------------------|-------------------|------------|-------------------|------------------|--------------------|
|  101   | 20                | 0.0359            | PR / GV    | 6.00              | 100              | 0.91               |
|                                                                                         | 18                | 0.0478            | PR         | 6.00              | 100              | 1.22               |
|  103   | 20                | 0.0359            | PR / GV    | 6.00              | 80               | 1.08               |
|                                                                                         | 18                | 0.0478            | PR         | 6.00              | 80               | 1.47               |
|  106   | 20                | 0.0359            | *          | 6.00              | 80               | 1.08               |
|                                                                                         | 18                | 0.0478            | PR         | 6.00              | 80               | 1.47               |
|  121   | 20                | 0.0359            | PR / GV    | 6.00              | 96               | 1.00               |
|                                                                                         | 18                | 0.0478            | *          | 6.00              | 96               | 1.36               |
|  122   | 20                | 0.0359            | PR / GV    | 6.00              | 80               | 1.00               |
|                                                                                         | 18                | 0.0478            | *          | 6.00              | 80               | 1.36               |
|  123  | 20                | 0.0359            | PR / GV    | 6.00              | 80               | 1.07               |
|  124 | 18                | 0.0478            | PR / GV    | 6.00              | 100              | 0.68               |
|  126 | 20                | 0.0359            | PR / GV    | 6.00              | 48               | 1.27               |
|                                                                                         | 18                | 0.0478            | PR         | 6.00              | 48               | 1.72               |
|  127 | 18                | 0.0478            | PR         | 6.00              | 60               | 1.91               |
|  131 | 20                | 0.0359            | PR         | 6.00              | 160              | 0.64               |
|  154 | 18                | 0.0478            | PR         | 6.00              | 450              | 0.25               |

- PR - Pinnado Rojo.
- GV - Galvanizado Verde.
- \* - Fabricación Especial.

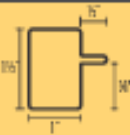
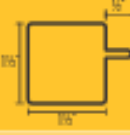
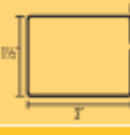
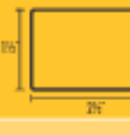
Pesos calculados en base técnica.  
Los pesos reales de las piezas pueden variar.

**PERFILES - PUERTAS**

| Figura / Descripción                                                                | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramos x metro |      |
|-------------------------------------------------------------------------------------|-------------------|-------------------|------------|-------------------|------------------|--------------------|------|
|    | 159               | 18                | 0.0478     | PR                | 6.00             | 54                 | 1.81 |
|    | 160               | 20                | 0.0359     | *                 | 6.00             | 90                 | 1.08 |
|                                                                                     |                   | 18                | 0.0478     | PR                | 6.00             | 90                 | 1.47 |
|    | K-100             | 18                | 0.0478     | *                 | 6.00             | 96                 | 1.58 |
|    | K-150             | 20                | 0.0359     | *                 | 6.00             | 54                 | 1.34 |
|                                                                                     |                   | 18                | 0.0478     | PR                | 6.00             | 54                 | 1.83 |
|    | K-200             | 20                | 0.0359     | *                 | 6.00             | 48                 | 1.52 |
|   | K-300             | 20                | 0.0359     | PR                | 6.00             | 45                 | 1.88 |
|                                                                                     |                   | 18                | 0.0478     | PR                | 6.00             | 45                 | 2.57 |
|  | M-225             | 20                | 0.0359     | PR / GV           | 5.50             | 96                 | 1.03 |
|                                                                                     |                   | 18                | 0.0478     | PR / GV           | 5.50             | 96                 | 1.41 |
|  | M-300             | 20                | 0.0359     | PR                | 5.50             | 96                 | 1.17 |
|  | M-525             | 20                | 0.0359     | PR                | 5.50             | 42                 | 1.56 |
|  | M-600             | 20                | 0.0359     | PR                | 5.50             | 42                 | 1.69 |

- Productos especiales sujetos a mínimos de fabricación.
- Disponibles en RF con acabado Pintado y Galvanizado Pintado Verde.
- PR - Pintado Rojo.
- GV - Galvanizado Verde.
- \* - Fabricación Especial.

**PERFILES - PUERTAS**

| Figura / Descripción                                                                            | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramos x metro |
|-------------------------------------------------------------------------------------------------|-------------------|-------------------|------------|-------------------|------------------|--------------------|
|  <b>P-100</b>  | 20                | 0.0359            | PR / GV    | 6.00              | 96               | 1.01               |
|                                                                                                 | 18                | 0.0478            | PR / GV    | 6.00              | 96               | 1.36               |
|  <b>P-150</b>  | 20                | 0.0359            | PR / GV    | 6.00              | 70               | 1.19               |
|                                                                                                 | 18                | 0.0478            | PR         | 6.00              | 70               | 1.61               |
|  <b>P-200</b>  | 20                | 0.0359            | PR / GV    | 6.00              | 72               | 1.37               |
|                                                                                                 | 18                | 0.0478            | PR         | 6.00              | 72               | 1.86               |
|  <b>P-250</b>  | 20                | 0.0359            | PR / GV    | 6.00              | 42               | 1.56               |
|                                                                                                 | 18                | 0.0478            | PR         | 6.00              | 42               | 2.09               |
|  <b>P-300</b>  | 20                | 0.0359            | PR / GV    | 6.00              | 54               | 1.73               |
|                                                                                                 | 18                | 0.0478            | PR         | 6.00              | 54               | 2.32               |
|  <b>P-400</b> | 20                | 0.0359            | PR / GV    | 6.00              | 48               | 2.09               |
|                                                                                                 | 18                | 0.0478            | PR         | 6.00              | 48               | 2.82               |
|  <b>1400</b> | 18                | 0.0478            | PR / GV    | 6.00              | 72               | 1.24               |
|  <b>1500</b> | 16                | 0.0598            | PR         | 6.00              | 32               | 2.45               |
|                                                                                                 | 14                | 0.0747            | PR / GN    | 6.00              | 32               | 3.06               |


**DUELAS**

| Descripción | Calibre (nominal) | Inventario | Espesor (pulgada) | Longitud (metros) | Piezas x paquete | Kilogramos x metro |
|-------------|-------------------|------------|-------------------|-------------------|------------------|--------------------|
| 170         | 20                | PR/GV      | 0.0359            | 6.00              | 60               | 1.54               |
| 171         | 20                | PR         | 0.0359            | 6.00              | 120              | 0.86               |

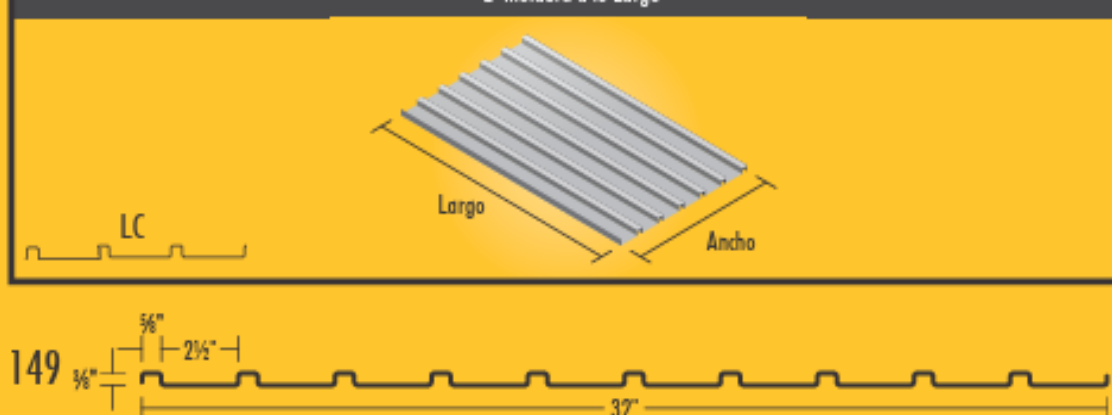
- Productos especiales sujetos a mínimos de fabricación.
- Disponibles en RF con acabado Pintado y Galvanizado Pintado Verde.

Pesos calculados en base teórica.  
Los pesos reales de las piezas pueden variar.

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**COLOCACIÓN DE MOLDURAS**

"L" Moldura a lo Largo


**TABLEROS**

| Descripción | Dimensión nominal |              | Calibre (nominal) | Espesor (pulgada) | Inventario | Dimensión efectiva |                | Kilogramos x metro |
|-------------|-------------------|--------------|-------------------|-------------------|------------|--------------------|----------------|--------------------|
|             | Ancho (Pies)      | Largo (Pies) |                   |                   |            | Ancho (metros)     | Largo (metros) |                    |
| 149-LC      | 3'                | 3'           | 20                | 0.0359            | *          | 0.81               | 0.91           | 6.53               |
|             | 3'                | 6.4'         | 20                | 0.0359            | PR         | 0.81               | 1.95           | 6.53               |
|             | 3'                | 8'           | 20                | 0.0359            | PR         | 0.81               | 2.44           | 6.53               |
|             | 3'                | 10'          | 20                | 0.0359            | PR         | 0.81               | 3.05           | 6.53               |

PR - Pintado Rojo

\* - Fabricación Especial

LC- Moldura Largo Continuo

- Paquetes disponibles con 50 piezas.
- Productos especiales sujetos a mínimos de fabricación.
- La dimensión nominal a lo largo y ancho están basados en la hoja antes de troquelar.

**PLACA**

| Descripción (Pies) | Dimensión (Metros) | Inventario      | Calibre (Nominal) | Espesor (Pulgadas) | Kilogramos x Pieza | Descripción (Pies) | Dimensión (Metros) | Inventario      | Calibre (Nominal) | Espesor (Pulgadas) | Kilogramos x Pieza |
|--------------------|--------------------|-----------------|-------------------|--------------------|--------------------|--------------------|--------------------|-----------------|-------------------|--------------------|--------------------|
| PL 6x20            | 1.83x6.10          | A36 / A572 - 50 | 3/4"              | 0.7500             | 1,667              | PL 8x20            | 2.44x6.10          | A36 / A572 - 50 | 3/4"              | 0.7500             | 2,223              |
|                    |                    | A36 / A572 - 50 | 7/8"              | 0.8750             | 1,945              |                    |                    | A36 / A572 - 50 | 7/8"              | 0.8750             | 2,593              |
|                    |                    | A36 / A572 - 50 | 1"                | 1.0000             | 2,223              |                    |                    | A36 / A572 - 50 | 1"                | 1.0000             | 2,964              |
|                    |                    | A36 / A572 - 50 | 1 1/4"            | 1.2500             | 2,778              |                    |                    | A36 / A572 - 50 | 1 1/4"            | 1.2500             | 3,704              |
|                    |                    | A36 / A572 - 50 | 1 1/2"            | 1.5000             | 3,334              |                    |                    | A36 / A572 - 50 | 1 1/2"            | 1.5000             | 4,445              |
|                    |                    | A36 / A572 - 50 | 2"                | 2.0000             | 4,445              |                    |                    | A36 / A572 - 50 | 2"                | 2.0000             | 5,927              |
|                    |                    | A572 - 50       | 2 1/4"            | 2.2500             | 5,001              |                    |                    | A36 / A572 - 50 | 2"                | 2.0000             | 5,927              |
|                    |                    | A572 - 50       | 2 1/2"            | 2.5000             | 5,557              |                    |                    | A36             | 3"                | 3.0000             | 8,891              |
|                    |                    | A36             | 3"                | 3.0000             | 6,668              |                    |                    | A36             | 1/4"              | 0.2500             | 1,482              |
| PL 6x40            | 1.83x12.19         | A36 / A572 - 50 | 1"                | 1.0000             | 4,445              | PL 8x40            | 2.44x12.19         | A36             | 5/16"             | 0.3125             | 1,852              |
|                    |                    | A36             | 2 1/4"            | 2.2500             | 10,002             |                    |                    | A36             | 3/8"              | 0.3750             | 2,223              |
|                    |                    | A36             | 2 1/2"            | 2.5000             | 11,113             |                    |                    | A36             | 1/2"              | 0.5000             | 2,964              |
| PL 8x20            | 2.44x6.10          | A36 / A572 - 50 | 1/4"              | 0.2500             | 741                |                    |                    | A36             | 5/8"              | 0.6250             | 3,704              |
|                    |                    | A36 / A572 - 50 | 5/16"             | 0.3125             | 926                |                    |                    | A36 / A572 - 50 | 3/4"              | 0.7500             | 4,445              |
|                    |                    | A36 / A572 - 50 | 3/8"              | 0.3750             | 1,111              |                    |                    | A36 / A572 - 50 | 1"                | 1.0000             | 5,927              |
|                    |                    | A36 / A572 - 50 | 1/2"              | 0.5000             | 1,482              |                    |                    | A36             | 2 1/4"            | 2.2500             | 13,336             |
|                    |                    | A36 / A572 - 50 | 5/8"              | 0.6250             | 1,852              |                    |                    | A36             | 2 1/2"            | 2.5000             | 14,818             |
|                    |                    |                 |                   |                    |                    |                    |                    |                 |                   |                    |                    |

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 Pesos calculados en base teórica.  
 Los pesos reales de las piezas pueden variar.

## LÁMINA LISA

| Dimensión (Metros) | Inventario | Calibre (Nominal) | Espesor (Pulgadas) | Kilogramos x Pieza | Pieza x Paquete | Descripción (Pies) | Dimensión (Metros) | Inventario | Calibre (Nominal) | Espesor (Pulgadas) | Kilogramos x Pieza | Pieza x Paquete |
|--------------------|------------|-------------------|--------------------|--------------------|-----------------|--------------------|--------------------|------------|-------------------|--------------------|--------------------|-----------------|
| 0.91x2.44          | *          | 24                | 0.0239             | 10.62              | 150             | L 4x10             | 1.22x3.05          | RC         | 14                | 0.0747             | 55.34              | 30              |
|                    | *          | 22                | 0.0299             | 13.29              | 110             |                    |                    | RC         | 12                | 0.1046             | 77.50              | 20              |
|                    | RF         | 20                | 0.0359             | 15.96              | 95              |                    |                    | RC         | 11                | 0.1196             | 88.61              | 18              |
|                    | RF         | 18                | 0.0478             | 21.25              | 75              |                    |                    | RC         | 10                | 0.1345             | 99.65              | 16              |
|                    | RF / RC    | 16                | 0.0598             | 26.58              | 60              |                    |                    | RC         | 3/16"             | 0.1875             | 138.92             | 15              |
|                    | RC         | 14                | 0.0747             | 33.21              | 50              |                    |                    | RC         | 1/4"              | 0.2500             | 185.22             | 12              |
|                    | *          | 12                | 0.1046             | 46.50              | 21              |                    |                    | RC         | 3/8"              | 0.3750             | 277.83             | 8               |
|                    | *          | 3/16"             | 0.1875             | 83.35              | 21              |                    |                    | RC         | 1/2"              | 0.5000             | 370.44             | 6               |
|                    | *          | 1/4"              | 0.2500             | 111.13             | 20              |                    |                    | RC         | 3/4"              | 0.7500             | 555.66             | 4               |
| 0.91x3.05          | RF         | 24                | 0.0239             | 13.28              | 120             | L 5x10             | 1.52x3.05          | *          | 3/16"             | 0.1875             | 173.64             | 6               |
|                    | RF         | 22                | 0.0299             | 16.61              | 95              |                    |                    | *          | 1/4"              | 0.2500             | 231.53             | 5               |
|                    | RF         | 20                | 0.0359             | 19.95              | 80              |                    |                    | *          | 3/8"              | 0.3750             | 347.29             | 3               |
|                    | RF         | 18                | 0.0478             | 26.56              | 60              |                    |                    | *          | 1/2"              | 0.5000             | 463.05             | 3               |
|                    | RF/RC      | 16                | 0.0598             | 33.23              | 50              |                    |                    | *          | 3/4"              | 0.7500             | 694.58             | 2               |
|                    | RC         | 14                | 0.0747             | 41.51              | 40              |                    |                    | RC         | 3/16"             | 0.1875             | 347.29             | 6               |
|                    | RC         | 12                | 0.1046             | 58.12              | 30              | L 5x20             | 1.52x6.10          | RC         | 1/4"              | 0.2500             | 463.05             | 5               |
|                    | RC         | 3/16"             | 0.1875             | 104.19             | 20              |                    |                    | RC         | 5/16"             | 0.3125             | 578.81             | 4               |
|                    | RC         | 1/4"              | 0.2500             | 138.92             | 15              |                    |                    | RC         | 3/8"              | 0.3750             | 694.58             | 3               |
| 1.22x2.44          | *          | 22                | 0.0299             | 17.72              | 90              |                    |                    | RC         | 1/2"              | 0.5000             | 926.10             | 3               |
|                    | RF         | 20                | 0.0359             | 21.28              | 75              |                    |                    | RC         | 3/4"              | 0.7500             | 1389.15            | 2               |
|                    | RF         | 18                | 0.0478             | 28.33              | 55              | L 6x10             | 1.83x3.05          | *          | 3/16"             | 0.1875             | 208.37             | 4               |
|                    | RC         | 16                | 0.0598             | 35.44              | 45              |                    |                    | *          | 1/4"              | 0.2500             | 277.83             | 4               |
|                    | RC         | 14                | 0.0747             | 44.27              | 35              |                    |                    | *          | 5/16"             | 0.3125             | 347.29             | 3               |
|                    | *          | 12                | 0.1046             | 62.00              | 25              |                    |                    | *          | 3/8"              | 0.3750             | 416.75             | 3               |
|                    | *          | 11                | 0.1196             | 70.89              | 22              |                    |                    | *          | 1/2"              | 0.5000             | 555.66             | 2               |
|                    | *          | 10                | 0.1345             | 79.72              | 20              |                    |                    | *          | 5/8"              | 0.6250             | 694.58             | 2               |
|                    | *          | 3/16"             | 0.1875             | 111.13             | 18              |                    |                    | *          | 3/4"              | 0.7500             | 833.49             | 2               |
|                    | *          | 1/4"              | 0.2500             | 148.18             | 12              | L 6x20             | 1.83x6.10          | RC / RC AR | 3/16"             | 0.1875             | 416.75             | 5               |
|                    | *          | 3/8"              | 0.3750             | 222.26             | 10              |                    |                    | RC / RC AR | 1/4"              | 0.2500             | 555.66             | 4               |
|                    | *          | 1/2"              | 0.5000             | 296.35             | 8               |                    |                    | RC / RC AR | 5/16"             | 0.3125             | 694.58             | 3               |
| 1.22x3.05          | *          | 3/4"              | 0.7500             | 444.53             | 6               |                    |                    | RC / RC AR | 3/8"              | 0.3750             | 833.49             | 3               |
|                    | RF         | 22                | 0.0299             | 22.15              | 70              |                    |                    | RC / RC AR | 1/2"              | 0.5000             | 1,111.32           | 2               |
|                    | RF         | 20                | 0.0359             | 26.60              | 60              |                    |                    | RC         | 5/8"              | 0.6250             | 1,389.15           | 2               |
|                    | RF         | 18                | 0.0478             | 35.41              | 45              |                    |                    | RC         | 3/4"              | 0.7500             | 1,666.98           | 2               |
|                    | RF/RC      | 16                | 0.0598             | 44.30              | 35              |                    |                    |            |                   |                    |                    |                 |

## LÁMINA ANTIDERRAPANTE

| Dimensión (Metros) | Inventario | Calibre (Nominal) | Espesor (Pulgadas) | Kilogramos x Pieza | Pieza x Paquete |
|--------------------|------------|-------------------|--------------------|--------------------|-----------------|
| 0.91x2.44          | *          | 14                | 0.0747             | 33.21              | 30              |
| 0.91x3.05          | RC         | 14                | 0.0747             | 41.51              | 40              |
|                    | RC         | 14                | 0.0747             | 44.27              | 40              |
| 1.22x2.44          | *          | 12                | 0.1046             | 62.00              | 20              |
|                    | *          | 1/8"              | 0.1250             | 74.09              | 20              |
|                    | *          | 3/16"             | 0.1875             | 111.13             | 20              |
|                    | *          | 1/4"              | 0.2500             | 148.18             | 30              |
| 1.22x3.05          | RC         | 14                | 0.0747             | 55.34              | 30              |
|                    | RC         | 12                | 0.1046             | 77.50              | 20              |
|                    | RC         | 1/8"              | 0.1250             | 92.61              | 20              |
|                    | RC         | 3/16"             | 0.1875             | 138.92             | 15              |
|                    | RC         | 1/4"              | 0.2500             | 185.22             | 15              |

\*RC- Rolado caliente

\*RF- Rolado Frío

\* - Fabricación Especial.

AR- Alta resistencia

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**TUBO CERQUERO (GALVANIZADO)**

| Dia Ext (pulg) | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramo x metro |
|----------------|-------------------|-------------------|------------|-------------------|------------------|-------------------|
| 1.000          | 18                | 0.0478            | *          | 6.00              | 137              | 0.72              |
|                | 16                | 0.0598            | *          | 6.00              | 127              | 0.89              |
| 1.315          | 20                | 0.0359            | *          | 6.00              | 102              | 0.73              |
|                | 18                | 0.0478            | *          | 6.00              | 91               | 0.96              |
| 1.500          | 20                | 0.0359            | GN         | 6.00              | 95               | 0.84              |
|                | 18                | 0.0478            | GN         | 6.00              | 95               | 1.10              |
| 1.660          | 20                | 0.0359            | *          | 6.00              | 127              | 0.93              |
|                | 18                | 0.0478            | *          | 6.10              | 127              | 1.22              |
| 1.900          | 20                | 0.0359            | GN         | 6.00              | 67               | 1.06              |
|                | 18                | 0.0478            | GN         | 6.00              | 67               | 1.41              |
|                | 16                | 0.0598            | *          | 6.00              | 61               | 1.75              |
|                | 14                | 0.0747            | *          | 6.00              | 61               | 2.17              |
| 2.375          | 18                | 0.0478            | GN         | 6.00              | 60               | 1.77              |
|                | 16                | 0.0598            | *          | 6.00              | 37               | 2.20              |
|                | 14                | 0.0747            | *          | 6.00              | 37               | 2.73              |
| 2.875          | 18                | 0.0478            | *          | 6.00              | 39               | 2.15              |
|                | 16                | 0.0598            | *          | 6.10              | 37               | 2.68              |
|                | 14                | 0.0747            | *          | 6.00              | 37               | 3.32              |

- Productos especiales sujetos a mínimos de fabricación.
- Norma de fabricación ASTM A500 o ASTM A513.
- Para factibilidad en diferentes calibres, longitudes y acabados: pregunte a su asesor de ventas.
- GN - Galvanizado Natural.
- \* - Fabricación Especial.
- - Disponibles en RF con acabado Pintado y Galvanizado.
- - N - Natural.

Activar Windows  
Ve a Configuración



Diámetro exterior

## TUBERÍA REDONDA

| Descripción | Dim. Pulg. | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramos x metro | Descripción | Dim. Pulg. | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramos x metro |
|-------------|------------|-------------------|-------------------|------------|-------------------|------------------|--------------------|-------------|------------|-------------------|-------------------|------------|-------------------|------------------|--------------------|
| 1/8"        | 0.500"     | 22                | 0.0299            | N          | 6.00              | 228              | 0.22               | 1 1/2"      | 1.500"     | 18                | 0.0478            | N / GN     | 6.03              | 95               | 1.10               |
|             |            | 20                | 0.0359            | N          | 6.03              | 228              | 0.26               |             |            | 16                | 0.0598            | N          | 6.03              | 91               | 1.37               |
|             |            | 18                | 0.0478            | N          | 6.03              | 228              | 0.34               |             |            | 14                | 0.0747            | *          | 6.03              | 91               | 1.69               |
| 3/8"        | 0.625"     | 22                | 0.0299            | *          | 6.03              | 216              | 0.28               | 1 3/4"      | 1.750"     | 20                | 0.0359            | *          | 6.03              | 69               | 0.98               |
|             |            | 20                | 0.0359            | N          | 6.03              | 216              | 0.34               |             |            | 18                | 0.0478            | N          | 6.03              | 69               | 1.29               |
|             |            | 18                | 0.0478            | N          | 6.03              | 228              | 0.44               |             |            | 16                | 0.0598            | N          | 6.03              | 91               | 1.61               |
| 1/2"        | 0.675"     | 14                | 0.0747            | *          | 6.40              | 217              | 0.71               |             |            | 14                | 0.0747            | *          | 6.03              | 61               | 1.99               |
|             |            | 22                | 0.0299            | *          | 6.03              | 186              | 0.34               |             | 1 1/2"     | 20                | 0.0359            | *          | 6.03              | 95               | 1.05               |
|             |            | 20                | 0.0359            | N          | 6.03              | 186              | 0.41               |             |            | 12                | 0.1046            | *          | 6.03              | 50               | 2.94               |
|             |            | 18                | 0.0478            | N          | 6.03              | 186              | 0.53               |             |            | 20                | 0.0359            | *          | 6.03              | 67               | 1.12               |
| 3/4"        | 0.750"     | 16                | 0.0598            | *          | 6.03              | 169              | 0.66               | 2"          | 2.000"     | 18                | 0.0478            | N          | 6.03              | 67               | 1.48               |
|             |            | 13                | 0.0897            | *          | 6.40              | 91               | 1.07               |             |            | 16                | 0.0598            | N          | 6.03              | 61               | 1.84               |
|             |            | 20                | 0.0359            | N          | 6.03              | 180              | 0.48               |             |            | 14                | 0.0747            | *          | 6.03              | 61               | 2.29               |
|             |            | 18                | 0.0478            | N          | 6.03              | 150              | 0.63               |             |            | 14                | 0.0747            | *          | 6.03              | 61               | 2.43               |
| 7/8"        | 0.875"     | 14                | 0.0747            | *          | 6.03              | 169              | 0.95               | 2 1/4"      | 2.125"     | 18                | 0.0478            | *          | 6.03              | 60               | 1.67               |
|             |            | 20                | 0.0359            | N          | 6.03              | 137              | 0.55               |             |            | 16                | 0.0598            | N          | 6.03              | 61               | 2.08               |
|             |            | 18                | 0.0478            | N          | 6.03              | 137              | 0.72               |             |            | 14                | 0.0747            | *          | 6.03              | 61               | 2.58               |
|             |            | 16                | 0.0598            | N          | 6.03              | 127              | 0.89               | 2 1/2"      | 2.500"     | 18                | 0.0478            | N          | 6.03              | 60               | 1.86               |
| 1"          | 1.000"     | 18                | 0.0478            | *          | 6.03              | 175              | 0.82               |             |            | 16                | 0.0598            | N          | 6.03              | 60               | 2.32               |
|             |            | 14                | 0.0747            | *          | 6.03              | 186              | 1.25               |             |            | 14                | 0.0747            | *          | 6.03              | 61               | 2.88               |
|             | 1.125"     | 20                | 0.0359            | N          | 6.03              | 124              | 0.69               | 2 3/4"      | 2.750"     | 11                | 0.1196            | *          | 6.03              | 30               | 5.00               |
|             |            | 18                | 0.0478            | N          | 6.03              | 124              | 0.91               |             |            | 18                | 0.0478            | N          | 6.03              | 39               | 2.24               |
| 1 1/4"      | 1.250"     | 16                | 0.0598            | N          | 6.03              | 127              | 1.13               |             |            | 16                | 0.0598            | N          | 6.03              | 39               | 2.79               |
|             |            | 14                | 0.0747            | *          | 6.03              | 127              | 1.40               | 3"          | 3.000"     | 14                | 0.0747            | *          | 6.03              | 37               | 3.47               |
|             |            | 20                | 0.0359            | *          | 6.03              | 102              | 0.73               |             |            | 13                | 0.0897            | *          | 6.03              | 19               | 4.86               |
|             |            | 18                | 0.0478            | *          | 6.03              | 102              | 0.96               |             |            | 1/4               | 0.25              | *          | 6.03              | 19               | 12.91              |
| 1 1/2"      | 1.315"     | 16                | 0.0598            | *          | 6.03              | 91               | 1.19               | 3 1/2"      | 3.500"     | 1/4               | 0.2500            | *          | 6.03              | 19               | 16.89              |
|             |            | 12                | 0.1046            | *          | 6.03              | 61               | 2.01               |             |            |                   |                   |            |                   |                  |                    |
|             | 1.500"     | 20                | 0.0359            | N / GN     | 6.03              | 95               | 0.84               | 4 1/2"      | 4.500"     |                   |                   |            |                   |                  |                    |
|             |            |                   |                   |            |                   |                  |                    |             |            |                   |                   |            |                   |                  |                    |



| CÉDULA 30           |                     |                   |                       |            |                      |                     |                      | CÉDULA X          |                       |            |                      |                     |                      |
|---------------------|---------------------|-------------------|-----------------------|------------|----------------------|---------------------|----------------------|-------------------|-----------------------|------------|----------------------|---------------------|----------------------|
| Dia. Nom.<br>(pulg) | Dia. Ext.<br>(pulg) | Calibre<br>(nom.) | Espesor<br>(pulgadas) | Inventario | Longitud<br>(metros) | Piezas x<br>paquete | Kilogramo<br>x metro | Calibre<br>(nom.) | Espesor<br>(pulgadas) | Inventario | Longitud<br>(metros) | Piezas x<br>paquete | Kilogramo<br>x metro |
| 1/2"                | 0.840"              | 14                | 0.0747                | N          | 6.10                 | 169                 | 0.91                 | -                 |                       |            | -                    | -                   | -                    |
| 3/4"                | 1.050"              | 14                | 0.0747                | N          | 6.10                 | 127                 | 1.16                 | -                 |                       |            | -                    | -                   | -                    |
| 1"                  | 1.315"              | 14                | 0.0747                | N          | 6.10                 | 91                  | 1.47                 | -                 |                       |            | -                    | -                   | -                    |
| 1 1/4"              | 1.660"              | 13                | 0.0897                | N          | 6.10                 | 61                  | 2.24                 | -                 |                       |            | -                    | -                   | -                    |
| 1 1/2"              | 1.900"              | 13                | 0.0897                | N          | 6.10                 | 61                  | 2.58                 | -                 |                       |            | -                    | -                   | -                    |
| 2"                  | 2 3/8"              | 12                | 0.1046                | N          | 6.10                 | 37                  | 3.77                 | 10                | 0.1345                | N          | 6.40                 | 37                  | 4.79                 |
| 2 1/2"              | 2 7/8"              | 12                | 0.1046                | N          | 6.10                 | 37                  | 4.61                 | 9                 | 0.1495                | *          | 6.40                 | 37                  | 6.48                 |
| 3"                  | 3 1/2"              | 11                | 0.1196                | N          | 6.10                 | 19                  | 6.43                 | 3/4"              | 0.1880                | *          | 6.40                 | 19                  | 9.87                 |
| 4"                  | 4 1/2"              | 11                | 0.1196                | N          | 6.10                 | 19                  | 8.33                 | 3/4"              | 0.1880                | *          | 6.40                 | 19                  | 12.85                |
| 6"                  | 6 7/8"              | 3/4"              | 0.1880                | N          | 6.10                 | 7                   | 19.23                | 3/4"              | 0.1880                | *          | 6.40                 | 7                   | 19.18                |

| CÉDULA 40           |                     |                   |                       |            |                      |                     |                      | CÉDULA 80         |                       |            |                      |                     |                      |
|---------------------|---------------------|-------------------|-----------------------|------------|----------------------|---------------------|----------------------|-------------------|-----------------------|------------|----------------------|---------------------|----------------------|
| Dia. Nom.<br>(pulg) | Dia. Ext.<br>(pulg) | Calibre<br>(nom.) | Espesor<br>(pulgadas) | Inventario | Longitud<br>(metros) | Piezas x<br>paquete | Kilogramo<br>x metro | Calibre<br>(nom.) | Espesor<br>(pulgadas) | Inventario | Longitud<br>(metros) | Piezas x<br>paquete | Kilogramo<br>x metro |
| 1/4"                | 0.540"              | 14                | 0.0747                | *          | 6.40                 | 169                 | 0.55                 | -                 |                       |            | -                    | -                   | -                    |
| 3/8"                | 0.675"              | 13                | 0.0897                | *          | 6.40                 | 169                 | 0.83                 | -                 |                       |            | -                    | -                   | -                    |
| 1/2"                | 0.840"              | 12                | 0.1046                | N          | 6.40                 | 91                  | 1.22                 | -                 |                       |            | -                    | -                   | -                    |
| 3/4"                | 1.050"              | 12                | 0.1046                | N          | 6.40                 | 91                  | 1.57                 | -                 |                       |            | -                    | -                   | -                    |
| 1"                  | 1.315"              | 10                | 0.1345                | N          | 6.40                 | 61                  | 2.52                 | -                 |                       |            | -                    | -                   | -                    |
| 1 1/4"              | 1.660"              | 10                | 0.1345                | N          | 6.40                 | 37                  | 3.26                 | -                 |                       |            | -                    | -                   | -                    |
| 1 1/2"              | 1.900"              | 10                | 0.1345                | N          | 6.40                 | 37                  | 3.77                 | -                 |                       |            | -                    | -                   | -                    |
| 2"                  | 2 3/8"              | 9                 | 0.1495                | N          | 6.00                 | 37                  | 5.29                 | 0.216"            | 0.2160                | *          | 6.40                 | 37                  | 7.41                 |
| 2 1/2"              | 2 7/8"              | 0.203"            | 0.2030                | N          | 6.40                 | 37                  | 8.62                 | 1/4"              | 0.2500                | *          | 6.40                 | 37                  | 10.43                |
| 3"                  | 3 1/2"              | 4                 | 0.2242                | N          | 6.00 / 6.40          | 19                  | 11.67                | 3/8"              | 0.3125                | *          | 6.40                 | 19                  | 15.83                |
| 4"                  | 4 1/2"              | 4                 | 0.2242                | N          | 6.40                 | 19                  | 15.24                | 3/8"              | 0.3125                | *          | 6.40                 | 19                  | 20.80                |
| 6"                  | 6 7/8"              | 0.280"            | 0.2800                | N          | 6.40                 | 7                   | 28.24                | -                 |                       |            | -                    | -                   | -                    |

- Productos especiales sujetos a mínimos de fabricación.
- Norma de fabricación ASTM A513.
- N - Natural.
- \* - Fabricación Especial.

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| ELÍPTICOS            |              |       |                   |                   |            |                   |                  |                   |
|----------------------|--------------|-------|-------------------|-------------------|------------|-------------------|------------------|-------------------|
| Descripción          | Medidas (mm) |       | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramo x metro |
|                      | A            | B     |                   |                   |            |                   |                  |                   |
| Elíptico 25mm x 16mm | 25.40        | 15.88 | 16                | 0.0598            | *          | 6.00              | 100              | 0.61              |
|                      |              |       | 14                | 0.0747            | *          | 6.00              | 100              | 0.77              |
| Elíptico 30mm x 15mm | 29.85        | 15.24 | 16                | 0.0598            | *          | 6.00              | 100              | 0.88              |
|                      |              |       | 14                | 0.0747            | *          | 6.00              | 100              | 1.02              |
| Elíptico 64mm x 34mm | 64.00        | 34.00 | 16                | 0.0598            | *          | 6.00              | 100              | 1.97              |
|                      |              |       | 14                | 0.0747            | *          | 6.00              | 100              | 2.47              |

| OVALADOS MILIMÉTRICOS |              |       |                   |                   |            |                   |                  |                   |
|-----------------------|--------------|-------|-------------------|-------------------|------------|-------------------|------------------|-------------------|
| Descripción           | Medidas (mm) |       | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramo x metro |
|                       | A            | B     |                   |                   |            |                   |                  |                   |
| Oval 30mm x 15mm      | 30.00        | 15.00 | 20                | 0.0359            | *          | 6.00              | 100              | 0.53              |
|                       |              |       | 18                | 0.0478            | *          | 6.00              | 100              | 0.74              |
|                       |              |       | 16                | 0.0598            | *          | 6.00              | 100              | 0.91              |
|                       |              |       | 14                | 0.0747            | *          | 6.00              | 100              | 1.15              |
| Oval 1.125" x 0.625"  | 28.58        | 15.88 | 20                | 0.0359            | *          | 6.03              | 186              | 0.55              |
|                       |              |       | 18                | 0.0478            | *          | 6.03              | 186              | 0.73              |
|                       |              |       | 14                | 0.0747            | *          | 6.03              | 100              | 1.19              |
| Oval 1.610" x 0.600"  | 40.90        | 15.34 | 20                | 0.0359            | *          | 6.00              | 250              | 0.72              |
|                       |              |       | 18                | 0.0478            | *          | 6.00              | 250              | 0.96              |
|                       |              |       | 16                | 0.0598            | *          | 6.00              | 250              | 1.20              |
|                       |              |       | 14                | 0.0747            | *          | 6.00              | 250              | 1.43              |
| Oval 65mm x 35mm      | 65.00        | 35.00 | 16                | 0.0598            | *          | 6.33              | 50               | 2.07              |
| Oval 70mm x 42mm      | 70.00        | 42.00 | 20                | 0.0359            | *          | 6.00              | 50               | 1.37              |
|                       |              |       | 18                | 0.0478            | *          | 6.00              | 50               | 1.82              |
|                       |              |       | 16                | 0.0598            | *          | 6.00              | 50               | 2.30              |
|                       |              |       | 14                | 0.0747            | *          | 6.00              | 50               | 2.82              |
|                       |              |       | 12                | 0.1046            | *          | 6.00              | 50               | 4.01              |
| Oval 74mm x 10mm      | 74.00        | 10.00 | 16                | 0.0598            | *          | 6.03              | 186              | 1.92              |

- Productos especiales sujetos a mínimos de fabricación.
- Para factibilidad en diferentes calibres, longitudes y acabados pregunte a su asesor de ventas.
- \* - Fabricación Especial.

**TUBERÍA CUADRADA**

| Descripción | Dim. Pulg. | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramo x metro | Descripción | Dim. Pulg. | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramo x metro |
|-------------|------------|-------------------|-------------------|------------|-------------------|------------------|-------------------|-------------|------------|-------------------|-------------------|------------|-------------------|------------------|-------------------|
| C-050       | 0.500"     | 22                | 0.0299            | *          | 6.00              | 231              | 0.28              | C-200       | 2.000"     | 14                | 0.0747            | N / GN     | 6.00              | 50               | 2.91              |
|             |            | 20                | 0.0359            | N/GV       | 6.00              | 231              | 0.34              |             |            | 12                | 0.1046            | N          | 6.00              | 40               | 4.01              |
|             |            | 18                | 0.0478            | N          | 6.00              | 231              | 0.44              |             |            | 11                | 0.1196            | N          | 6.00              | 40               | 4.36              |
|             |            | 16                | 0.0598            | *          | 6.00              | 182              | 0.53              |             |            | 10                | 0.1345            | N          | 6.00              | 40               | 4.84              |
| C-062       | 0.625"     | 20                | 0.0359            | *          | 6.00              | 252              | 0.43              |             |            | 9                 | 0.1495            | N          | 6.10              | 40               | 5.31              |
|             |            | 18                | 0.0478            | *          | 6.00              | 252              | 0.56              |             |            | 3/16              | 0.1880            | N          | 6.10              | 40               | 6.43              |
|             |            | 16                | 0.0598            | *          | 6.00              | 252              | 0.68              |             |            | 1/4               | 0.2500            | N          | 6.10              | 40               | 8.04              |
| C-075       | 0.750"     | 22                | 0.0299            | *          | 6.00              | 120              | 0.44              | C-225       | 2.250"     | 16                | 0.0598            | *          | 6.00              | 50               | 2.65              |
|             |            | 20                | 0.0359            | N/PR/GV    | 6.00              | 120              | 0.52              |             |            | 14                | 0.0747            | *          | 6.00              | 50               | 3.29              |
|             |            | 18                | 0.0478            | N/PR/GV    | 6.00              | 120              | 0.68              | C-250       | 2.500"     | 16                | 0.0598            | *          | 6.00              | 36               | 2.95              |
|             |            | 16                | 0.0598            | *          | 6.00              | 120              | 0.84              |             |            | 14                | 0.0747            | N / GN     | 6.00              | 36               | 3.67              |
|             |            | 14                | 0.0747            | N          | 6.00              | 120              | 1.02              |             |            | 12                | 0.1046            | *          | 6.00              | 27               | 5.07              |
| C-087       | 0.875"     | 20                | 0.0359            | *          | 6.00              | 112              | 0.61              |             |            | 11                | 0.1196            | N          | 6.00              | 27               | 5.57              |
|             |            | 14                | 0.0747            | *          | 6.00              | 112              | 1.21              |             |            | 10                | 0.1345            | N          | 6.00              | 27               | 6.20              |
| C-100       | 1.000"     | 20                | 0.0359            | N/PR/GV    | 6.00              | 100              | 0.70              |             |            | 9                 | 0.1495            | *          | 6.00              | 27               | 6.82              |
|             |            | 18                | 0.0478            | N/PR/GV    | 6.00              | 100              | 0.92              |             |            | 3/16              | 0.1880            | N          | 6.10              | 27               | 8.34              |
|             |            | 16                | 0.0598            | N / GN     | 6.00              | 100              | 1.14              |             |            | 1/4               | 0.2500            | *          | 6.10              | 27               | 10.57             |
|             |            | 14                | 0.0747            | N / GN     | 6.00              | 100              | 1.40              | C-300       | 3.000"     | 14                | 0.0747            | N          | 6.00              | 35               | 4.42              |
|             |            | 13                | 0.0897            | *          | 6.00              | 100              | 1.65              |             |            | 12                | 0.1046            | *          | 6.00              | 21               | 6.13              |
|             |            | 12                | 0.1046            | N          | 6.00              | 80               | 1.90              |             |            | 11                | 0.1196            | N          | 6.00              | 21               | 6.78              |
|             |            | 11                | 0.1196            | N          | 6.00              | 80               | 1.94              |             |            | 10                | 0.1345            | *          | 6.00              | 21               | 7.56              |
|             |            | 10                | 0.1345            | N          | 6.00              | 80               | 2.12              |             |            | 9                 | 0.1495            | N          | 6.00              | 21               | 8.33              |
| C-125       | 1.250"     | 20                | 0.0359            | PR/GV      | 6.00              | 81               | 0.88              |             |            | 3/16              | 0.1880            | N          | 6.10              | 21               | 10.24             |
|             |            | 18                | 0.0478            | N/PR/GV    | 6.00              | 81               | 1.16              |             |            | 1/4               | 0.2500            | N          | 6.10              | 21               | 13.10             |
|             |            | 16                | 0.0598            | N          | 6.00              | 81               | 1.44              | C-350       | 3.500"     | 14                | 0.0747            | *          | 6.00              | 18               | 5.18              |
|             |            | 14                | 0.0747            | N / GN     | 6.00              | 81               | 1.78              |             |            | 11                | 0.1196            | N          | 6.00              | 18               | 7.99              |
|             |            | 12                | 0.1046            | N          | 6.00              | 63               | 2.42              |             |            | 9                 | 0.1495            | *          | 6.00              | 18               | 9.85              |
|             |            | 11                | 0.1196            | *          | 6.00              | 63               | 2.55              |             |            | 3/16              | 0.1880            | N          | 6.10              | 18               | 12.14             |
|             |            | 10                | 0.1345            | *          | 6.00              | 63               | 2.80              |             |            | 1/4               | 0.2500            | N          | 6.10              | 18               | 15.63             |
| C-150       | 1.500"     | 20                | 0.0359            | PR/GV      | 6.00              | 49               | 1.06              | C-400       | 4.000"     | 14                | 0.0747            | N          | 6.00              | 20               | 5.93              |
|             |            | 18                | 0.0478            | N/PR/GV    | 6.00              | 49               | 1.40              |             |            | 11                | 0.1196            | N          | 6.00              | 15               | 9.21              |
|             |            | 16                | 0.0598            | N / GN     | 6.00              | 49               | 1.74              |             |            | 10                | 0.1345            | *          | 6.00              | 15               | 10.29             |
|             |            | 14                | 0.0747            | N / GN     | 6.00              | 49               | 2.15              |             |            | 9                 | 0.1495            | N          | 6.00              | 15               | 11.36             |
|             |            | 12                | 0.1046            | N          | 6.00              | 49               | 2.95              |             |            | 3/16              | 0.1880            | N          | 6.10              | 15               | 14.04             |
|             |            | 11                | 0.1196            | N          | 6.00              | 49               | 3.15              |             |            | 1/4               | 0.2500            | N          | 6.10              | 15               | 18.16             |
|             |            | 10                | 0.1345            | N          | 6.00              | 49               | 3.48              | C-450       | 4.500"     | 11                | 0.1196            | *          | 6.00              | 12               | 10.42             |
|             |            | 9                 | 0.1495            | *          | 6.00              | 49               | 3.79              |             |            | 3/16              | 0.1880            | *          | 6.10              | 12               | 15.94             |
| C-175       | 1.750"     | 16                | 0.0598            | *          | 6.00              | 60               | 2.05              | C-500       | 5.000"     | 3/16              | 0.1880            | *          | 6.10              | 12               | 20.69             |
|             |            | 14                | 0.0747            | GN         | 6.00              | 60               | 2.53              |             |            | 1/4               | 0.2500            | *          | 6.10              | 12               | 17.85             |
|             |            | 11                | 0.1196            | *          | 6.00              | 60               | 3.76              | C-600       | 6.000"     | 3/16              | 0.1880            | N          | 12.20             | 12               | 23.22             |
| C-200       | 2.000"     | 20                | 0.0359            | *          | 6.00              | 50               | 1.43              |             |            | 1/4               | 0.2500            | *          | 12.20             | 9                | 28.27             |
|             |            | 18                | 0.0478            | PR / GV    | 6.00              | 50               | 1.89              |             |            |                   |                   |            |                   |                  |                   |
|             |            | 16                | 0.0598            | N / GN     | 6.00              | 50               | 2.35              |             |            |                   |                   |            |                   |                  |                   |



- Productos especiales sujetos a mínimos de fabricación.
- Disponibles en RF con acabado Pintado y Galvanizado Pintado Verde en Calibres 18 y 20.
- Norma de fabricación ASTM A500 o ASTM A513.
- Para fatibilidad en diferentes calibres, longitudes y acabados pregunte a su asesor de ventas.
- Tubería ASTM A500 Grado B en calibres 11 y más gruesas.

N - Natural  
 PR - Pintado Rojo  
 GV - Galvanizado Verde  
 GN - Galvanizado Natural  
 \* - Fabricación Especial

Activar Windows  
 Ve a Configuración

PTR Y PERFILES RECTANGULARES

| Descripción | Dim. Pulg. | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramo x metro | Descripción | Dim. Pulg. | Calibre (nominal) | Espesor (pulgada) | Inventario | Longitud (metros) | Piezas x paquete | Kilogramo x metro |
|-------------|------------|-------------------|-------------------|------------|-------------------|------------------|-------------------|-------------|------------|-------------------|-------------------|------------|-------------------|------------------|-------------------|
| R-100       | 1.00x0.50" | 20                | 0.0359            | N          | 6.00              | 120              | 0.52              | R-300       | 3.00x1.50" | 22                | 0.0299            | GV         | 6.00              | 49               | 1.34              |
|             |            | 18                | 0.0478            | N/PR/GV    | 6.00              | 120              | 0.68              |             |            | 20                | 0.0359            | PR/GV      | 6.00              | 49               | 1.61              |
|             |            | 16                | 0.0598            | *          | 6.00              | 120              | 0.84              |             |            | 18                | 0.0478            | N/PR/GV    | 6.00              | 49               | 2.13              |
|             |            | 14                | 0.0747            | *          | 6.00              | 120              | 1.02              |             |            | 16                | 0.0598            | *          | 6.00              | 49               | 2.65              |
| R-125       | 1.25x0.75" | 20                | 0.0359            | PR         | 6.00              | 99               | 0.70              | R-302       | 3.00x2.00" | 14                | 0.0747            | N / GN     | 6.00              | 49               | 3.29              |
|             |            | 18                | 0.0478            | PR         | 6.00              | 99               | 0.92              |             |            | 16                | 0.0598            | *          | 6.00              | 28               | 2.95              |
|             |            | 16                | 0.0598            | *          | 6.00              | 99               | 1.14              |             |            | 14                | 0.0747            | N          | 6.00              | 35               | 3.67              |
|             |            | 14                | 0.0747            | *          | 6.00              | 99               | 1.40              |             |            | 12                | 0.1046            | *          | 6.00              | 28               | 5.07              |
| R-155       | 1.50x0.50" | 20                | 0.0359            | *          | 6.03              | 98               | 0.70              | R-400       | 4.00x1.50" | 11                | 0.1196            | N          | 6.00              | 28               | 5.57              |
|             |            | 18                | 0.0478            | PR         | 6.03              | 98               | 0.92              |             |            | 10                | 0.1345            | N          | 6.00              | 28               | 6.20              |
|             |            | 16                | 0.0598            | *          | 6.03              | 98               | 1.14              |             |            | 9                 | 0.1495            | *          | 6.00              | 28               | 6.82              |
|             |            | 14                | 0.0747            | *          | 6.00              | 98               | 1.40              |             |            | 3/16              | 0.1880            | N          | 6.10              | 28               | 8.34              |
| R-150       | 1.50x0.75" | 16                | 0.0598            | *          | 6.00              | 98               | 1.29              | R-402       | 4.00x2.00" | 1/4               | 0.2500            | *          | 6.10              | 28               | 10.57             |
|             |            | 14                | 0.0747            | *          | 6.00              | 98               | 1.59              |             |            | 20                | 0.0359            | PR / GV    | 6.00              | 35               | 1.97              |
|             |            | 11                | 0.1196            | *          | 6.00              | 98               | 2.25              |             |            | 18                | 0.0478            | PR / GV    | 6.00              | 35               | 2.61              |
|             |            | 20                | 0.0359            | *          | 6.00              | 84               | 0.88              |             |            | 16                | 0.0598            | *          | 6.00              | 35               | 3.26              |
| R-151       | 1.50x1.00" | 18                | 0.0478            | PR         | 6.00              | 84               | 1.16              | R-403       | 4.00x3.00" | 14                | 0.0747            | N          | 6.00              | 35               | 4.04              |
|             |            | 16                | 0.0598            | *          | 6.00              | 100              | 1.44              |             |            | 14                | 0.0747            | N          | 6.00              | 35               | 4.42              |
|             |            | 14                | 0.0747            | *          | 6.00              | 84               | 1.78              |             |            | 11                | 0.1196            | N          | 6.00              | 20               | 6.78              |
|             |            | 11                | 0.1196            | *          | 6.00              | 63               | 2.55              |             |            | 10                | 0.1345            | *          | 6.00              | 20               | 7.56              |
| R-175       | 1.75x0.75" | 20                | 0.0359            | PR         | 6.00              | 84               | 0.88              | R-502       | 5.00x2.00" | 9                 | 0.1495            | N          | 6.00              | 20               | 8.33              |
|             |            | 18                | 0.0478            | PR         | 6.00              | 84               | 1.16              |             |            | 3/16              | 0.1880            | N          | 6.10              | 20               | 10.24             |
|             |            | 20                | 0.0359            | PR/GV      | 6.00              | 50               | 1.06              |             |            | 1/4               | 0.2500            | *          | 6.10              | 15               | 13.10             |
|             |            | 18                | 0.0478            | N/PR/GV    | 6.00              | 50               | 1.40              |             |            | 14                | 0.0747            | N          | 6.00              | 20               | 5.18              |
| R-200       | 2.00x1.00" | 16                | 0.0598            | N          | 6.00              | 50               | 1.74              | R-503       | 5.00x3.00" | 11                | 0.1196            | N          | 6.00              | 15               | 7.99              |
|             |            | 14                | 0.0747            | N / GN     | 6.00              | 50               | 2.15              |             |            | 9                 | 0.1495            | N          | 6.00              | 15               | 9.85              |
|             |            | 12                | 0.1046            | *          | 6.00              | 50               | 2.95              |             |            | 3/16              | 0.1880            | N          | 6.10              | 15               | 12.14             |
|             |            | 11                | 0.1196            | *          | 6.00              | 50               | 3.15              |             |            | 1/4               | 0.2500            | N          | 6.10              | 15               | 15.63             |
| R-225       | 2.25x0.75" | 20                | 0.0359            | PR         | 6.00              | 55               | 1.06              | R-602       | 6.00x2.00" | 11                | 0.1196            | *          | 6.00              | 20               | 7.99              |
|             |            | 18                | 0.0478            | PR         | 6.00              | 55               | 1.40              |             |            | 3/16              | 0.1880            | *          | 6.10              | 20               | 12.14             |
|             |            | 20                | 0.0359            | PR         | 6.00              | 54               | 1.34              |             |            | 1/4               | 0.2500            | *          | 6.10              | 20               | 15.63             |
|             |            | 18                | 0.0478            | PR         | 6.00              | 54               | 1.77              |             |            | 11                | 0.1196            | *          | 6.00              | 16               | 9.21              |
| R-249       | 2.50x1.25" | 16                | 0.0598            | *          | 6.00              | 54               | 2.20              | R-603       | 6.00x3.00" | 3/16              | 0.1880            | *          | 6.10              | 16               | 14.03             |
|             |            | 14                | 0.0747            | *          | 6.00              | 54               | 2.72              |             |            | 1/4               | 0.2500            | *          | 6.10              | 16               | 18.16             |
|             |            | 12                | 0.1046            | *          | 6.00              | 54               | 3.75              |             |            | 14                | 0.0747            | N          | 6.10              | 24               | 5.93              |
|             |            | 11                | 0.1196            | *          | 6.00              | 48               | 1.89              |             |            | 11                | 0.1196            | *          | 6.00              | 15               | 9.21              |
| R-250       | 2.50x1.50" | 14                | 0.0747            | N          | 6.00              | 48               | 2.91              | R-604       | 6.00x4.00" | 3/16              | 0.1880            | *          | 6.10              | 15               | 14.03             |
|             |            | 12                | 0.1046            | *          | 6.00              | 40               | 4.01              |             |            | 1/4               | 0.2500            | *          | 6.10              | 15               | 18.16             |
|             |            | 11                | 0.1196            | *          | 6.00              | 40               | 4.36              |             |            | 11                | 0.1196            | *          | 6.00              | 16               | 10.42             |
|             |            | 12                | 0.1046            | *          | 6.00              | 40               | 3.75              |             |            | 3/16              | 0.1880            | *          | 6.10              | 16               | 15.94             |
| R-275       | 2.75x1.00" | 11                | 0.1196            | *          | 6.00              | 40               | 4.06              | R-804       | 8.00x4.00" | 1/4               | 0.2500            | *          | 6.10              | 16               | 20.69             |
|             |            | 14                | 0.0747            | *          | 6.00              | 48               | 2.72              |             |            | 11                | 0.1196            | N          | 6.00              | 12               | 11.63             |
|             |            | 18                | 0.0478            | *          | 6.00              | 48               | 1.89              |             |            | 9                 | 0.1495            | *          | 6.10              | 12               | 14.38             |
|             |            | 16                | 0.0598            | *          | 6.00              | 48               | 2.35              |             |            | 3/16              | 0.1880            | *          | 6.10              | 12               | 17.85             |
| R-301       | 3.00x1.00" | 14                | 0.0747            | *          | 6.00              | 48               | 2.91              |             |            | 1/4               | 0.2500            | N          | 6.10              | 12               | 23.22             |
|             |            | 11                | 0.1196            | *          | 6.00              | 48               | 4.36              |             |            | 3/16              | 0.1880            | *          | 12.20             | 9                | 21.65             |
|             |            | 10                | 0.1345            | *          | 6.00              | 48               | 4.84              |             |            | 1/4               | 0.2500            | *          | 12.20             | 9                | 28.27             |



- Productos especiales sujetos a mínimos de fabricación.
- Disponibles en RF con acabado Pintado y Galvanizado Pintado Verde en Calibres 18 y 20.
- Norma de fabricación ASTM A500 o ASTM A513.
- Para factibilidad en diferentes calibres, longitudes y acabados pregunte a su asesor de ventas.
- Tubería ASTM A500 Grado B en calibres 11 y más gruesos.

- N - Natural
- PR - Pintado Rojo
- GV - Galvanizado Verde
- GN - Galvanizado Natural
- \* - Fabricación Especial

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**POLÍN C**

| A x B x C<br>(pulgadas) | Calibre | Espeor<br>(pulgadas) | Inventario      | Longitud<br>estándar<br>(metros) | Piezas x<br>Paquete | Kilogramo<br>x metro |
|-------------------------|---------|----------------------|-----------------|----------------------------------|---------------------|----------------------|
| 3 x 1.50 x 0.75         | 16      | 0.0598               | PR              | 6.00                             | 60                  | 2.08                 |
|                         | 14      | 0.0747               | PR              | 6.00                             | 60                  | 2.61                 |
| 4 x 1.50 x 0.75         | 16      | 0.0598               | *               | 6.00                             | 48                  | 2.40                 |
|                         | 14      | 0.0747               | PR              | 6.00                             | 48                  | 2.96                 |
|                         | 12      | 0.1046               | *               | 6.00                             | 48                  | 4.20                 |
|                         | 10      | 0.1345               | *               | 6.00                             | 48                  | 5.20                 |
| 4 x 2.00 x 0.75         | 16      | 0.0598               | PR              | 6.00                             | 48                  | 2.71                 |
|                         | 14      | 0.0747               | PR              | 4.00                             | 48                  | 3.40                 |
|                         | 14      | 0.0747               | PR              | 5.00                             | 48                  | 3.40                 |
|                         | 14      | 0.0747               | PR / GN         | 6.00                             | 48                  | 3.40                 |
|                         | 12      | 0.1046               | *               | 6.00                             | 48                  | 4.80                 |
|                         | 10      | 0.1345               | *               | 6.00                             | 48                  | 5.90                 |
|                         | 16      | 0.0598               | *               | 6.00                             | 48                  | 3.00                 |
| 5 x 2.00 x 0.75         | 14      | 0.0747               | PR              | 5.00                             | 48                  | 3.80                 |
|                         | 14      | 0.0747               | PR              | 6.00                             | 48                  | 3.80                 |
|                         | 12      | 0.1046               | *               | 6.00                             | 48                  | 5.30                 |
|                         | 10      | 0.1345               | *               | 6.00                             | 48                  | 6.60                 |
|                         | 16      | 0.0598               | *               | 6.00                             | 48                  | 3.30                 |
| 6 x 2.00 x 0.75         | 14      | 0.0747               | PR / GN         | 6.00                             | 48                  | 4.19                 |
|                         | 12      | 0.1046               | PR              | 6.00                             | 48                  | 5.86                 |
|                         | 10      | 0.1345               | *               | 6.00                             | 48                  | 7.30                 |
|                         | 16      | 0.0598               | *               | 7.00                             | 24                  | 4.20                 |
|                         | 14      | 0.0747               | *               | 7.00                             | 24                  | 5.30                 |
| 7 x 2.75 x 0.75         | 14      | 0.0747               | *               | 7.00                             | 24                  | 5.30                 |
|                         | 10      | 0.1345               | *               | 7.00                             | 24                  | 9.20                 |
|                         | 16      | 0.0598               | *               | 8.00                             | 24                  | 4.50                 |
| 8 x 2.75 x 0.75         | 14      | 0.0747               | PR              | 6.00                             | 24                  | 5.70                 |
|                         | 14      | 0.0747               | PR / AR PR      | 8.00                             | 24                  | 5.70                 |
|                         | 12      | 0.1046               | PR              | 8.00                             | 24                  | 7.96                 |
|                         | 10      | 0.1345               | *               | 8.00                             | 24                  | 9.90                 |
|                         | 16      | 0.0598               | *               | 9.00                             | 12                  | 4.90                 |
| 9 x 2.75 x 0.75         | 10      | 0.1345               | *               | 9.00                             | 12                  | 10.60                |
|                         | 16      | 0.0598               | *               | 10.00                            | 12                  | 5.20                 |
|                         | 14      | 0.0747               | PR / AR PR / GN | 10.00                            | 12                  | 6.49                 |
| 10 x 2.75 x 0.75        | 12      | 0.1046               | PR              | 10.00                            | 12                  | 9.06                 |
|                         | 14      | 0.0747               | PR              | 12.00                            | 12                  | 7.87                 |
|                         | 12      | 0.1046               | PR              | 12.00                            | 12                  | 10.99                |
| 12 x 3.50 x 1.00        | 10      | 0.1345               | *               | 12.00                            | 12                  | 13.60                |
|                         | 14      | 0.0747               | *               | 14.00                            | 12                  | 8.70                 |
|                         | 12      | 0.1046               | *               | 14.00                            | 12                  | 12.10                |
| 14 x 3.50 x 1.00        | 10      | 0.1345               | *               | 14.00                            | 12                  | 15.00                |

**POLÍN Z**

| A x B x C<br>(pulgadas) | Calibre | Espeor<br>(pulgadas) | Inventario | Longitud<br>estándar<br>(metros) | Piezas x<br>Paquete | Kilogramo<br>x metro |
|-------------------------|---------|----------------------|------------|----------------------------------|---------------------|----------------------|
| 4 x 1.50 x 0.75         | 16      | 0.0598               | *          | 6.00                             | 48                  | 2.40                 |
|                         | 14      | 0.0747               | *          | 6.00                             | 48                  | 2.96                 |
|                         | 12      | 0.1046               | *          | 6.00                             | 48                  | 4.20                 |
|                         | 10      | 0.1345               | *          | 6.00                             | 48                  | 5.20                 |
| 4 x 2.00 x 0.75         | 16      | 0.0598               | *          | 6.00                             | 48                  | 2.71                 |
|                         | 14      | 0.0747               | *          | 6.00                             | 48                  | 3.40                 |
|                         | 12      | 0.1046               | *          | 6.00                             | 48                  | 4.80                 |
|                         | 10      | 0.1345               | *          | 6.00                             | 48                  | 5.90                 |
| 5 x 2.00 x 0.75         | 16      | 0.0598               | *          | 6.00                             | 48                  | 3.00                 |
|                         | 14      | 0.0747               | *          | 6.00                             | 48                  | 3.80                 |
|                         | 12      | 0.1046               | *          | 6.00                             | 48                  | 5.30                 |
|                         | 10      | 0.1345               | *          | 6.00                             | 48                  | 6.60                 |
| 6 x 2.00 x 0.75         | 16      | 0.0598               | *          | 6.00                             | 48                  | 3.30                 |
|                         | 14      | 0.0747               | *          | 6.00                             | 48                  | 4.19                 |
|                         | 12      | 0.1046               | *          | 6.00                             | 48                  | 5.86                 |
|                         | 10      | 0.1345               | *          | 6.00                             | 48                  | 7.30                 |
| 7 x 2.75 x 0.75         | 16      | 0.0598               | *          | 7.00                             | 24                  | 4.20                 |
|                         | 14      | 0.0747               | *          | 7.00                             | 24                  | 5.30                 |
|                         | 12      | 0.1046               | *          | 7.00                             | 24                  | 7.40                 |
|                         | 10      | 0.1345               | *          | 7.00                             | 24                  | 9.20                 |
| 8 x 2.75 x 0.75         | 16      | 0.0598               | *          | 8.00                             | 24                  | 4.50                 |
|                         | 14      | 0.0747               | *          | 8.00                             | 24                  | 5.70                 |
|                         | 12      | 0.1046               | *          | 8.00                             | 24                  | 7.96                 |
|                         | 10      | 0.1345               | *          | 8.00                             | 24                  | 9.90                 |
| 9 x 2.75 x 0.75         | 16      | 0.0598               | *          | 9.00                             | 12                  | 4.90                 |
|                         | 14      | 0.0747               | *          | 9.00                             | 12                  | 6.10                 |
|                         | 12      | 0.1046               | *          | 9.00                             | 12                  | 8.50                 |
|                         | 10      | 0.1345               | *          | 9.00                             | 12                  | 10.60                |
| 10 x 2.75 x 0.75        | 16      | 0.0598               | *          | 10.00                            | 12                  | 5.20                 |
|                         | 14      | 0.0747               | *          | 10.00                            | 12                  | 6.49                 |
|                         | 12      | 0.1046               | *          | 10.00                            | 12                  | 9.06                 |
|                         | 10      | 0.1345               | *          | 10.00                            | 12                  | 11.20                |
| 12 x 3.50 x 1.00        | 14      | 0.0747               | *          | 12.00                            | 12                  | 7.87                 |
|                         | 12      | 0.1046               | *          | 12.00                            | 12                  | 10.99                |
|                         | 10      | 0.1345               | *          | 12.00                            | 12                  | 13.60                |
| 14 x 3.50 x 1.00        | 14      | 0.0747               | *          | 14.00                            | 12                  | 8.70                 |
|                         | 12      | 0.1046               | *          | 14.00                            | 12                  | 12.10                |
|                         | 10      | 0.1345               | *          | 14.00                            | 12                  | 15.00                |

PR - Pintado Rojo  
AR PR - Alta Resistencia Pintado Rojo  
GN - Galvanizado Natural  
\* - Fabricación Especial

- Productos especiales sujetos a mínimos de fabricación.
- Polines de 4" a 14" se fabrican en longitudes de 3 hasta 15 metros.
- Polines de 3" se fabrican en longitudes de 3 hasta 8 metros.

Activar Windows  
Ve a Configuración

Pesos calculados en base teórica.  
Los pesos reales de las piezas pueden variar.



### POLÍN AVÍCOLA

| A  | B  | C      | D      | Calibre | Espesor (pulgada) | Inventario | Kilogramos x metro |
|----|----|--------|--------|---------|-------------------|------------|--------------------|
| 4" | 2" | 0.787" | 0.787" | 14      | 0.0747            | *          | 2.79               |
| 5" | 2" | 0.787" | 0.787" | 14      | 0.0747            | *          | 3.18               |
| 6" | 2" | 0.787" | 0.787" | 14      | 0.0747            | *          | 3.52               |
| 7" | 2" | 0.787" | 0.787" | 14      | 0.0747            | *          | 3.95               |

- Productos disponibles en Galvanizado
- Productos especiales sujetos a mínimos de fabricación.
- Para factibilidad en diferentes calibres, longitudes y acabados pregunte a su asesor de ventas.
- \* - Fabricación Especial.

### PERFORACIÓN DE POLINES

- Servicio de perforado disponible para Polines de medidas de 4" a 12".
- Pregunte a su asesor de ventas por nuestros patrones de perforación.

### PROPIEDADES MECÁNICAS

#### PROPIEDADES MECÁNICAS DEL ACERO

|           |                                               | Esfuerzo de Tensión<br>Min, Psi [MPa] | Esfuerzo de Cedencia,<br>Min, Psi [MPa] | Enlargo en 2"<br>[50mm] Min% |    |
|-----------|-----------------------------------------------|---------------------------------------|-----------------------------------------|------------------------------|----|
| ASTM A513 | Calidad Comercial*<br>(CC)<br>Tipo 1a, 1b y 2 | 42 000<br>[290]                       | 30 000<br>[207]                         | 15                           |    |
|           | Alta Resistencia<br>(AR)<br>HSLA G50          | 65 000<br>[448]                       | 50 000<br>[345]                         | 22                           |    |
| ASTM A500 | Tuberos Redondos                              | Grado A<br>(gA)                       | 45 000<br>[310]                         | 33 000<br>[230]              | 25 |
|           |                                               | Grado B<br>(gB)                       | 58 000<br>[400]                         | 42 000<br>[290]              | 23 |
|           |                                               | Grado C<br>(gC)                       | 62 000<br>[425]                         | 46 000<br>[315]              | 21 |
|           | Cuadrados y Rectangulares                     | Grado A<br>(gA)                       | 45 000<br>[310]                         | 39 000<br>[270]              | 25 |
|           |                                               | Grado B<br>(gB)                       | 58 000<br>[400]                         | 46 000<br>[315]              | 23 |
|           |                                               | Grado C<br>(gC)                       | 62 000<br>[425]                         | 50 000<br>[345]              | 21 |

1a: Rolado en Caliente sin Decapar.

1b: Rolado en Caliente Decapado.

2: Rolado en Frío.

HSLA: High-strength low-alloy (Alta Resistencia - Baja Aleación)

G50: Grado 50

\* Valores típicos.

### TABLA DE CONVERSIONES

| ESPESOR           |                   |                      | FRACCIONES            |                    |            |
|-------------------|-------------------|----------------------|-----------------------|--------------------|------------|
| Calibre (nominal) | Espesor (pulgada) | Espesor (milímetros) | Fracciones de pulgada | Milésimos de Pulg. | Milímetros |
| 7/8               | 0.8750            | 22.23                | 1/64                  | 0.0156             | 0.40       |
| 3/4               | 0.7500            | 19.05                | 1/32                  | 0.0313             | 0.79       |
| 5/8               | 0.6250            | 15.88                | 1/16                  | 0.0625             | 1.59       |
| 1/2               | 0.5000            | 12.70                | 1/8                   | 0.1250             | 3.18       |
| 3/8               | 0.3750            | 9.53                 | 3/32                  | 0.1563             | 3.97       |
| 1/4               | 0.2500            | 6.35                 | 3/16                  | 0.1875             | 4.76       |
| 3                 | 0.2391            | 6.07                 | 1/4                   | 0.2500             | 6.35       |
| 4                 | 0.2242            | 5.69                 | 5/16                  | 0.3125             | 7.94       |
| 5                 | 0.2092            | 5.31                 | 3/8                   | 0.3750             | 9.53       |
| 6                 | 0.1943            | 4.94                 | 7/16                  | 0.4375             | 11.11      |
| 3/16              | 0.1875            | 4.76                 | 1/2                   | 0.5000             | 12.70      |
| 7                 | 0.1793            | 4.55                 | 9/16                  | 0.5625             | 14.29      |
| 8                 | 0.1644            | 4.18                 | 5/8                   | 0.6250             | 15.88      |
| 9                 | 0.1495            | 3.80                 | 11/16                 | 0.6875             | 17.46      |
| 10                | 0.1345            | 3.42                 | 3/4                   | 0.7500             | 19.05      |
| 11                | 0.1196            | 3.04                 | 7/8                   | 0.8750             | 22.23      |
| 12                | 0.1046            | 2.66                 | 15/16                 | 0.9375             | 23.81      |
| 13                | 0.0897            | 2.28                 | 1                     | 1.0000             | 25.40      |
| 14                | 0.0747            | 1.90                 | 1 1/8                 | 1.1250             | 28.58      |
| 15                | 0.0625            | 1.59                 | 1 1/4                 | 1.2500             | 31.75      |
| 16                | 0.0598            | 1.52                 | 1 3/8                 | 1.3750             | 34.93      |
| 18                | 0.0478            | 1.21                 | 1 1/2                 | 1.5000             | 38.10      |
| 20                | 0.0359            | 0.91                 | 1 5/8                 | 1.6250             | 41.28      |
| 22                | 0.0299            | 0.76                 | 1 3/4                 | 1.7500             | 44.45      |
| 24                | 0.0239            | 0.61                 | 2                     | 2.0000             | 50.80      |
| 26                | 0.0179            | 0.45                 | 2 1/4                 | 2.2500             | 57.15      |
| 28                | 0.0149            | 0.38                 | 2 1/2                 | 2.5000             | 63.50      |
| 30                | 0.0120            | 0.30                 | 2 3/4                 | 2.7500             | 69.85      |
| 32                | 0.0090            | 0.23                 | 3                     | 3.0000             | 76.20      |
|                   |                   |                      | 3 1/2                 | 3.5000             | 88.90      |
|                   |                   |                      | 4                     | 4.0000             | 101.60     |