

## Perfiles Electrosoldados

### Descripción General

Los perfiles de acero electrosoldados son elementos de sección transversal abierta en forma de I o doble T, H y T fabricados mediante la soldadura de las uniones ala/alma de bandas de acero calidad estructural mediante el proceso de soldadura eléctrica de alta frecuencia

Los perfiles de acero de sección abierta son utilizados en la industria de la construcción como columnas, vigas y correas. Su sección les permite un excelente comportamiento ante esfuerzos de flexión y flexo-compresión axial y como correas en losas.

### Información Técnica

#### NORMAS

**COVENIN 2897** Aceros. Perfiles estructurales electrosoldados por alta frecuencia.

#### PROPIEDADES Y TOLERANCIAS

De acuerdo con lo establecido en la Norma **COVENIN 2897**

### Tabla Comercial del Producto

#### PESOS Y MEDIDAS

**Tabla de Equivalencias 1/3**

| PROPERCA    | DIN     | ASTM    | SOLDADOS* | UPN     | TUBULARES   |
|-------------|---------|---------|-----------|---------|-------------|
| Fy=2530     | Fy=2400 | Fy=2530 | Fy=2530   | Fy=2400 | Fy=3515     |
| Fu=4080     | Fu=3700 | Fu=4080 | Fu=4080   | Fu=3700 | Fu=4360     |
| VP 120X9.70 | IPE120  |         |           | UPN80   | 60X60X3.98  |
|             | IPN120  |         |           | UPN100  | 70X70X4.68  |
|             |         |         |           |         | 80X40X3.98  |
|             |         |         |           |         | 100X40X4.68 |
|             |         |         |           |         | 120X60X6.78 |
| VP120X18.9  | IPE120  |         |           | UPN120  |             |
|             | IPN120  |         |           |         |             |
| VP140X12.4  | IPN140  |         |           | UPN140  | 90X90X6.74  |
|             | IPE140  |         |           |         | 140X60X8.96 |
| VP1400X19.9 | IPN140  | W6X9    |           |         |             |
|             | IPE140  |         |           |         |             |
| VP160X16.4  | IPN160  |         |           |         | 160X65X11.3 |
|             | IPE160  |         |           |         |             |

**Tabla de Equivalencias 2/3**

| PROPERCA   | DIN     | ASTM    | SOLDADOS* | UPN     | TUBULARES    |
|------------|---------|---------|-----------|---------|--------------|
| Fy=2530    | Fy=2400 | Fy=2530 | Fy=2530   | Fy=2400 | Fy=3515      |
| Fu=4080    | Fu=3700 | Fu=4080 | Fu=4080   | Fu=3700 | Fu=4360      |
| VP160X20.8 | IPN160  | W6X12   |           |         |              |
|            | IPE160  |         |           |         |              |
| VP180X17.7 | IPN180  | W6X12   |           | UPN160  | 100X100X8.96 |
|            | IPE180  |         |           |         | 110X110X11.2 |
|            |         |         |           |         | 180X65X14.3  |
|            |         |         |           |         |              |
| VP180X21.8 | IPN180  | W8X10   | VS200X15  |         |              |
|            | IPE180  |         |           |         |              |
| VP200X24.1 | IPN200  | W8X13   | VS200X23  | UPN180  | 120X120X14.3 |
|            | IPE220  | W8X15   | CVS200X22 | UPN200  | 200X70X17.0  |
|            | IPE220  | W10X15  |           |         | 220X90X20.6  |
| VP200X26.2 | IPN200  | W8X13   | VS200X23  |         |              |
|            | IPE220  | W8X15   | CVS200X24 |         |              |
|            |         | W10X15  |           |         |              |
| VP200X36.0 | IPN200  | W8X18   | VS200X33  |         |              |
|            | IPE220  | W8X21   | CVS200X31 |         |              |
| VP240X32.8 | IPE240  | W10X19  | VS250X29  |         |              |
| VP240X37.8 | IPN220  |         | VS250X30  |         |              |
|            | IPE240  |         |           |         |              |
| VP250X29.4 | IPN240  | W8X21   | VS250X28  | UPN240  | 120X120X14.3 |
|            | IPE240  | W10X19  | VS250X29  |         | 135X135X17.0 |
|            |         |         | CS250X28  |         | 260X90X28.3  |
| VP250X38.9 |         | W10X22  | VS250X40  |         |              |
|            |         |         | CVS250X36 |         |              |
| VP250X44.2 | IPN260  |         | VS250X39  |         |              |
|            | IPE270  |         | CVS250X39 |         |              |
| VP300X41.3 | IPN270  | W10X26  | VS300X35  | UPN300  |              |
|            | IPE300  | W12X26  | VS300X42  |         |              |
|            |         | W14X26  | CVS300X44 |         |              |
| VP350X48.3 | IPN300  | W12X35  | VS350X43  |         | 320X120X45.2 |
|            | IPN320  | W16X31  | CVS250X39 |         |              |
|            | IPE330  |         |           |         |              |
| VP350X56.0 | IPN300  | W14X34  | VS350X44  |         |              |
|            | IPE360  |         |           |         |              |
| VP400X55.4 | IPN340  | W14X43  | VS400X55  |         |              |
|            | IPE360  | W16X36  | CVS300X47 |         |              |
|            |         | W18X35  |           |         |              |
| VP400X64.2 | IPN340  | W14X43  | VS400X55  |         |              |
|            |         | W16X36  | CVS350X60 |         |              |
|            |         | W18X35  |           |         |              |
| VP420X65.7 | IPN360  | W16X40  | VS400X62  |         | 350X170X68.2 |
|            | IPE400  | W16X45  | VS450X57  |         |              |
|            |         | W18X40  | CVS300X51 |         |              |

**Tabla de Equivalencias 3/3**

| PROPERCA   | DIN     | ASTM    | SOLDADOS* | UPN     | TUBULARES    |
|------------|---------|---------|-----------|---------|--------------|
| Fy=2530    | Fy=2400 | Fy=2530 | Fy=2530   | Fy=2400 | Fy=3515      |
| Fu=4080    | Fu=3700 | Fu=4080 | Fu=4080   | Fu=3700 | Fu=4360      |
| CP140X25.5 | HEA140  | W6X20   |           |         | 135X135X17.0 |
|            | HEB120  |         |           |         |              |
| CP160X29.3 | HEA160  | W6X20   |           |         | 155X155X20.6 |
|            | HEB120  |         |           |         |              |
| CP160X39.8 | HEA160  | W6X25   |           |         |              |
|            | HEB140  |         |           |         |              |
| CP180X33.1 | HEA180  |         | CS200X29  |         | 155X155X20.6 |
|            | HEB140  |         |           |         |              |
| CP180X44.9 | HEA180  |         |           |         |              |
|            | HEB160  |         |           |         |              |
| CP200X50.1 | HEA200  | W8X31   | CS200X48  |         |              |
|            | HEB180  |         |           |         |              |
| CP220X55.3 | HEA220  | W8X35   |           |         |              |
|            | HEB200  |         |           |         |              |
| CP240X60.4 | HEA240  | W8X40   | CS200X58  |         | 200X220X45.2 |
|            | HEB200  | W10X33  |           |         |              |
|            |         | W10X39  |           |         |              |
| CP260X65.7 | HEA260  | W10X45  | CS250X62  |         |              |
|            | HEB220  | W12X45  | CS300X82  |         |              |