

**Perfiles de alas paralelas (WF)**  
**Grado ASTM A 572**  
**Dimensiones / Tolerancias: ASTM A 6**

| Denominación        |           | Denominación  |             | Dimensiones |         |                      |                      |         |  | Dimensiones de construcción |         |   |                        |                        | Superficie                          |                                     |
|---------------------|-----------|---------------|-------------|-------------|---------|----------------------|----------------------|---------|--|-----------------------------|---------|---|------------------------|------------------------|-------------------------------------|-------------------------------------|
| (metric)            | G<br>kg/m | (Imperial)    | G<br>lbs/ft | h<br>mm     | b<br>mm | t <sub>w</sub><br>mm | t <sub>f</sub><br>mm | r<br>mm | A<br>mm <sup>2</sup><br>x10 <sup>2</sup> | h <sub>i</sub><br>mm        | d<br>mm | Ø | ρ <sub>min</sub><br>mm | ρ <sub>max</sub><br>mm | A <sub>L</sub><br>m <sup>2</sup> /m | A <sub>G</sub><br>m <sup>2</sup> /t |
| W 310 x 100 x 23.8+ | 23.8      | W 12 x 4 x 16 | 16          | 305         | 101     | 5.6                  | 6.7                  | 8       | 30.4                                     | 291.6                       | 275.6   | - | -                      | -                      | 0.989                               | 41.47                               |

| Propiedades del perfil                                |  |  |                             |  |   |  |  |                             |                      |   |   |
|---|--|--|-----------------------------|--|---|--|--|-----------------------------|----------------------|---|---|
| eje fuerte y-y  |  |  |                             |  | eje débil z-z   |  |  |                             |                      |   |   |
| I <sub>y</sub><br>mm <sup>4</sup><br>x10 <sup>4</sup> | W <sub>el.y</sub><br>mm <sup>3</sup><br>x10 <sup>3</sup> | W <sub>pl.y</sub> ♦<br>mm <sup>3</sup><br>x10 <sup>3</sup> | i <sub>y</sub><br>mm<br>x10 | A <sub>vz</sub><br>mm <sup>2</sup><br>x10 <sup>2</sup> | I <sub>z</sub><br>mm <sup>4</sup><br>x10 <sup>4</sup> | W <sub>el.z</sub><br>mm <sup>3</sup><br>x10 <sup>3</sup> | W <sub>pl.z</sub> ♦<br>mm <sup>3</sup><br>x10 <sup>3</sup> | i <sub>z</sub><br>mm<br>x10 | s <sub>s</sub><br>mm | I <sub>t</sub><br>mm <sup>4</sup><br>x10 <sup>4</sup> | I <sub>w</sub><br>mm <sup>6</sup><br>x10 <sup>9</sup> |
| 4280  | 280.7  | 328.6  | 11.87                       | 18.3   | 115.6   | 22.89  | 36.7   | 1.95                        | 28.4                 | 4.5   | 25.59   |

| Propiedades Mecánicas     |          |           |
|---------------------------|----------|-----------|
| Límite Elástico           | 345 (50) | MPa (ksi) |
| Resistencia a la Tracción | 450 (65) | MPa (ksi) |
| Estiramiento mínimo       | 18%      | ( 200mm ) |

