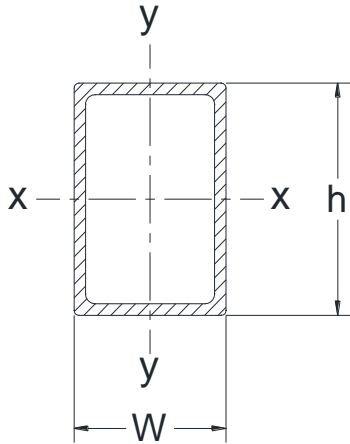


# EverComp Wale/Beam

## Technical Data Sheet

| Material Properties          | Symbol      | Units | S-Series          | H- Series         | I-Series          | M-Series          | X-Series          |
|------------------------------|-------------|-------|-------------------|-------------------|-------------------|-------------------|-------------------|
| <i>Modulus of Elasticity</i> |             |       |                   |                   |                   |                   |                   |
| Bending About X-X Axis       | $E_{x-x}$   | psi   | $3.5 \times 10^6$ | $3.7 \times 10^6$ | $3.6 \times 10^6$ | $3.3 \times 10^6$ | $4.0 \times 10^6$ |
| Bending About Y-Y Axis       | $E_{y-y}$   | psi   | $3.6 \times 10^6$ | $3.8 \times 10^6$ | $3.5 \times 10^6$ | $3.3 \times 10^6$ | $4.4 \times 10^6$ |
| <i>Modulus of Rupture</i>    |             |       |                   |                   |                   |                   |                   |
| Bending About X-X Axis       | $MOR_{x-x}$ | psi   | 35,814            | 43,542            | 41,621            | 19,081            | 42,409            |
| Bending About Y-Y Axis       | $MOR_{y-y}$ | psi   | 15,556            | 25,408            | 19,119            | 19,081            | 25,458            |
| <i>Weight</i>                |             |       |                   |                   |                   |                   |                   |
| Based on SG = 1.8 (min.)     | W           | lb/LF | 1.9               | 4                 | 5                 | 4.5               | 5.5               |



Double 4x6 w/ U-Bearing & Splice Plates (X-X Axis)

| Geometric Properties of Wale/Beam |           |               |      |       |      |       |       |
|-----------------------------------|-----------|---------------|------|-------|------|-------|-------|
| Width                             | W         | inches        | 3.5  | 3.5   | 4.0  | 5.0   | 4.0   |
| Depth                             | h         | inches        | 4.5  | 4.5   | 6.0  | 5.0   | 7.5   |
| Section Modulus (X-X)             | $Z_{x-x}$ | $\text{in}^3$ | 3.56 | 6.5   | 9.3  | 8.61  | 14.44 |
| Section Modulus (Y-Y)             | $Z_{y-y}$ | $\text{in}^3$ | 3.09 | 5.53  | 7.2  | 8.61  | 9.82  |
| Moment of Inertia (X-X)           | $I_{x-x}$ | $\text{in}^4$ | 8.01 | 14.63 | 27.4 | 21.53 | 54.16 |
| Moment of Inertia (Y-Y)           | $I_{y-y}$ | $\text{in}^4$ | 5.4  | 9.67  | 14.3 | 21.53 | 19.64 |

**EverComp Wale installation shall use the ESP U-bearing washer noted for each wale or, at a minimum, washers with dimensions that allow engaging of the webs perpendicular to washer. DO NOT use washers that do not span the entire width of the beam.**

The values shown are averages and may vary. No warranties of any kind are made as to the suitability of ESP products for particular applications.



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