Members, which are the upper chords and vertical posts, including also the inclined string k. This formula is suspect to slight modifications. According as the pieces are hinged or flat at both ends, or hinged at one end and flat at the other. This formula given to us by Prof. Du Bois is:

\[ b = \frac{1}{4 + \frac{a}{2}} \left( \frac{F}{1 + \frac{a}{2} \left( \frac{F}{a} \right)} \right) \]

where \( F \) is equal to 1038.8\, m, \( a = 36\,000 \) for flat ends, \( a = 24\,000 \) one flat and one hinged, and \( a = 18\,000 \) both hinged. \( l \) = length, \( d \) = diameter of piece, but since the pieces here considered are not circular in section, you take \( d \).