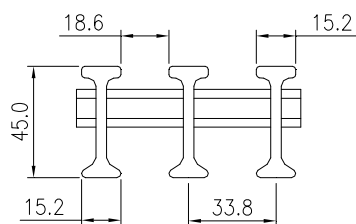


| A= 8.99x10 ³ mm ² /m | | I5500 1.77" (45mm) | LOAD IS KN/SQM (UNIFORM) OR KN/M OF WIDTH (CONCENTRATED) | | | | | | | | | | | | | | STRONGWELL | | MADE IN THE USA | |
|--|---------|--------------------|--|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|-------------------|------------|-----------------|--|
| I = 2.272x10 ⁶ mm ⁴ /m | | | Δu IS THE DEFLECTION IN mm UNDER A UNIFORM LOAD | | | | | | | | | | | | | | USCG Approved | | | |
| S = 9.505x10 ⁴ mm ³ /m | | | WEIGHT PER SQm: 21.4 kg | | | | | | | | | | | | | | safe load, 2 to 1 | | | |
| E x 10 ¹⁰ N/SQm | SPAN mm | LOAD → | 3 | 5 | 7.5 | 10 | 13 | 15 | 20 | 25 | 39 | 50 | 100 | 150 | 200 | 250 | safety factor | deflection | | |
| 3.66 | 600 | Δu | 0.06 | 0.10 | 0.15 | 0.20 | 0.26 | 0.30 | 0.41 | 0.51 | 0.79 | 1.01 | 2.03 | 3.04 | 4.06 | 5.07 | 389 | 7.9 | | |
| | | Δc | 0.16 | 0.27 | 0.41 | 0.54 | 0.70 | 0.81 | 1.08 | 1.35 | 2.11 | 2.71 | 5.41 | | | | 118 | 6.4 | | |
| 3.90 | 800 | Δu | 0.18 | 0.30 | 0.45 | 0.60 | 0.78 | 0.90 | 1.20 | 1.50 | 2.35 | 3.01 | 6.02 | 9.03 | 12.04 | | 246 | 14.8 | | |
| | | Δc | 0.36 | 0.60 | 0.90 | 1.20 | 1.56 | 1.81 | 2.41 | 3.01 | 4.69 | 6.02 | | | | | 98 | 11.8 | | |
| 4.21 | 1000 | Δu | 0.41 | 0.68 | 1.02 | 1.36 | 1.77 | 2.04 | 2.72 | 3.40 | 5.31 | 6.81 | 13.61 | | | | 158 | 21.5 | | |
| | | Δc | 0.65 | 1.09 | 1.63 | 2.18 | 2.83 | 3.27 | 4.36 | 5.45 | 8.49 | 10.89 | | | | | 79 | 17.2 | | |
| 4.43 | 1120 | Δu | 0.61 | 1.02 | 1.53 | 2.04 | 2.65 | 3.05 | 4.07 | 5.09 | 7.94 | 10.18 | 20.36 | | | | 125 | 25.5 | | |
| | | Δc | 0.87 | 1.45 | 2.18 | 2.91 | 3.78 | 4.36 | 5.82 | 7.27 | 11.34 | 14.54 | | | | | 70 | 20.3 | | |
| 4.55 | 1200 | Δu | 0.78 | 1.31 | 1.96 | 2.61 | 3.40 | 3.92 | 5.22 | 6.53 | 10.19 | 13.06 | | | | | 109 | 28.6 | | |
| | | Δc | 1.04 | 1.74 | 2.61 | 3.48 | 4.53 | 5.22 | 6.96 | 8.71 | 13.58 | | | | | | 65 | 22.8 | | |
| 4.62 | 1400 | Δu | 1.43 | 2.38 | 3.57 | 4.77 | 6.20 | 7.15 | 9.53 | 11.91 | | | | | | | 80 | 38.2 | | |
| | | Δc | 1.63 | 2.72 | 4.08 | 5.45 | 7.08 | 8.17 | 10.89 | 13.62 | | | | | | | 56 | 30.7 | | |
| 4.69 | 1600 | Δu | 2.40 | 4.00 | 6.01 | 8.01 | 10.41 | 12.01 | | | | | | | | | 62 | 49.7 | | |
| | | Δc | 2.40 | 4.00 | 6.01 | 8.01 | 10.41 | 12.01 | | | | | | | | | 50 | 39.7 | | |
| 4.69 | 1800 | Δu | 3.85 | 6.41 | 9.62 | 12.83 | | | | | | | | | | | 48 | 62.2 | | |
| | | Δc | 3.42 | 5.70 | 8.55 | 11.40 | | | | | | | | | | | 44 | 50.2 | | |
| 4.69 | 2000 | Δu | 5.87 | 9.78 | | | | | | | | | | | | | 39 | 77.2 | | |
| | | Δc | 4.69 | 7.82 | 11.73 | | | | | | | | | | | | 39 | 61.7 | | |



| Series | Bearing Bar Thickness | No bars Meter | Bearing Bar Center Width | Open Space | % Open Area | Approx. Weight Per Sq. Meter |
|--------|-----------------------|---------------|--------------------------|------------|-------------|------------------------------|
| I-5500 | 45.0 | 29.60 | 33.8 | 18.6 | 55 | 21.42 Kg |

Phenolic

A = 8.989 x 10³ mm²/Meter of Width
 I = 2.272 x 10⁶ mm⁴/Meter of Width

S = 9.505 x 10⁴ mm³/Meter of Width