# XBEAM.
## Span Table. #1

UNIFORMLY DISTRIBUTED DESIGN LOAD CAPACITY (KN/M) WITH SIMPLY SUPPORTED CONDITIONS + FULL LATERAL RESTRAINT.

| Member | kg/m | Span in metres (m) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 12.0 | 12.5 | 13.0 | 13.5 | 14.0 | 14.5 | 15.0 |
| XB250.000 | 11.21 | 279 | 139 | 93.20 | 69.90 | 55.90 | 44.00 | 32.30 | 24.70 | 19.50 | 15.70 | 13.00 | 10.90 | 9.29 | 8.00 | 6.95 | 6.10 | 5.39 | 4.79 | 4.29 | 3.86 | 3.49 | 3.17 | 2.89 | 2.65 | 2.43 | 2.24 | 2.07 | 1.91 | 1.78 | 1.65 |
| XB250.025 | 12.17 | 279 | 139 | 93.20 | 69.90 | 55.90 | 46.60 | 39.90 | 34.90 | 29.80 | 24.10 | 19.90 | 16.70 | 14.20 | 12.20 | 10.60 | 9.37 | 8.29 | 7.38 | 6.61 | 5.95 | 5.39 | 4.90 | 4.47 | 4.10 | 3.77 | 3.47 | 3.21 | 2.98 | 2.77 | 2.58 |
| XB250.050 | 13.13 | 279 | 139 | 93.20 | 69.90 | 55.90 | 46.60 | 39.90 | 34.90 | 31.00 | 27.90 | 25.30 | 22.10 | 18.80 | 16.20 | 14.10 | 12.30 | 10.90 | 9.76 | 8.75 | 7.88 | 7.14 | 6.49 | 5.93 | 5.43 | 5.00 | 4.61 | 4.26 | 3.96 | 3.68 | 3.43 |
| XB250.075 | 14.09 | 279 | 139 | 93.20 | 69.90 | 55.90 | 46.50 | 39.90 | 34.90 | 31.00 | 27.90 | 25.30 | 23.20 | 21.40 | 19.80 | 17.20 | 15.10 | 13.40 | 11.90 | 10.70 | 9.66 | 8.75 | 7.96 | 7.27 | 6.67 | 6.13 | 5.66 | 5.24 | 4.86 | 4.52 | 4.22 |
| XB250.100 | 15.05 | 279 | 139 | 93.20 | 69.90 | 55.90 | 46.50 | 39.90 | 34.90 | 31.00 | 27.90 | 25.30 | 23.20 | 21.40 | 19.90 | 18.50 | 17.40 | 15.70 | 13.90 | 12.50 | 11.30 | 10.20 | 9.32 | 8.51 | 7.80 | 7.18 | 6.63 | 6.13 | 5.69 | 5.30 | 4.94 |
| XB250.125 | 16.01 | 279 | 139 | 93.20 | 69.90 | 55.90 | 46.50 | 39.90 | 34.90 | 31.00 | 27.90 | 25.30 | 23.20 | 21.40 | 19.90 | 18.50 | 17.40 | 16.30 | 15.40 | 14.20 | 12.80 | 11.60 | 10.50 | 9.65 | 8.85 | 8.14 | 7.52 | 6.96 | 6.46 | 6.01 | 5.61 |
| XB250.150 | 16.97 | 279 | 139 | 93.20 | 69.90 | 55.90 | 46.50 | 39.90 | 34.90 | 31.00 | 27.90 | 25.30 | 23.20 | 21.40 | 19.90 | 18.50 | 17.40 | 16.30 | 15.40 | 14.60 | 13.90 | 12.80 | 11.70 | 10.70 | 9.81 | 9.03 | 8.33 | 7.72 | 7.16 | 6.67 | 6.22 |
| XB400.000 | 15.28 | 479 | 239 | 159 | 119 | 95.90 | 79.90 | 62.80 | 48.10 | 37.90 | 30.70 | 25.30 | 21.30 | 18.10 | 15.60 | 13.50 | 11.90 | 10.50 | 9.38 | 8.40 | 7.57 | 6.85 | 6.23 | 5.68 | 5.21 | 4.79 | 4.41 | 4.08 | 3.78 | 3.52 | 3.28 |
| XB400.025 | 16.24 | 479 | 239 | 159 | 119 | 95.90 | 79.90 | 68.40 | 59.90 | 53.20 | 43.90 | 36.20 | 30.40 | 25.90 | 22.30 | 19.40 | 17.00 | 15.10 | 13.40 | 12.00 | 10.80 | 9.84 | 8.95 | 8.17 | 7.49 | 6.89 | 6.36 | 5.89 | 5.46 | 5.08 | 4.74 |
| XB400.050 | 17.20 | 479 | 239 | 159 | 119 | 95.90 | 79.90 | 68.40 | 59.90 | 53.20 | 47.90 | 43.50 | 39.00 | 33.20 | 28.60 | 24.90 | 21.90 | 19.30 | 17.20 | 15.40 | 13.90 | 12.60 | 11.50 | 10.50 | 9.64 | 8.87 | 8.19 | 7.58 | 7.04 | 6.55 | 6.11 |
| XB400.075 | 18.16 | 479 | 239 | 159 | 119 | 95.90 | 79.90 | 68.40 | 59.90 | 53.20 | 47.90 | 43.50 | 39.90 | 36.80 | 34.10 | 30.10 | 26.40 | 23.40 | 20.80 | 18.70 | 16.80 | 15.20 | 13.90 | 12.70 | 11.60 | 10.70 | 9.90 | 9.17 | 8.51 | 7.93 | 7.39 |
| XB400.100 | 19.12 | 479 | 239 | 159 | 119 | 95.90 | 79.90 | 68.40 | 59.90 | 53.20 | 47.90 | 43.50 | 39.90 | 36.80 | 34.10 | 31.90 | 29.90 | 27.20 | 24.20 | 21.70 | 19.60 | 17.70 | 16.10 | 14.70 | 13.50 | 12.40 | 11.50 | 10.60 | 9.91 | 9.22 | 8.61 |
| XB400.125 | 20.08 | 479 | 239 | 159 | 119 | 95.90 | 79.90 | 68.40 | 59.90 | 53.20 | 47.90 | 43.50 | 39.90 | 36.80 | 34.10 | 31.90 | 29.90 | 28.10 | 26.50 | 24.60 | 22.10 | 20.10 | 18.20 | 16.70 | 15.30 | 14.10 | 13.00 | 12.00 | 11.20 | 10.40 | 9.74 |
| XB400.150 | 21.04 | 479 | 239 | 159 | 119 | 95.80 | 79.80 | 68.40 | 59.80 | 53.20 | 47.80 | 43.50 | 39.80 | 36.80 | 34.10 | 31.80 | 29.80 | 28.10 | 26.50 | 25.10 | 23.80 | 22.20 | 20.20 | 18.50 | 17.00 | 15.60 | 14.40 | 13.40 | 12.40 | 11.50 | 10.80 |
| XB550.000 | 19.35 | 719 | 359 | 239 | 179 | 143 | 119 | 102 | 79.89 | 63.09 | 51.06 | 42.17 | 35.40 | 30.14 | 25.96 | 22.59 | 19.83 | 17.54 | 15.63 | 14.01 | 12.62 | 11.43 | 10.40 | 9.50 | 8.71 | 8.01 | 7.39 | 6.84 | 6.35 | 5.90 | 5.50 |
| XB550.025 | 20.31 | 719 | 359 | 239 | 179 | 143 | 119 | 102 | 89.90 | 79.90 | 68.92 | 56.92 | 47.80 | 40.70 | 35.06 | 30.52 | 26.80 | 23.72 | 21.13 | 18.95 | 17.08 | 15.47 | 14.08 | 12.87 | 11.80 | 10.86 | 10.03 | 9.28 | 8.62 | 8.02 | 7.48 |
| XB550.050 | 21.27 | 719 | 359 | 239 | 179 | 143 | 119 | 102 | 89.80 | 79.80 | 71.80 | 65.30 | 59.54 | 50.70 | 43.69 | 38.03 | 33.40 | 29.56 | 26.35 | 23.62 | 21.30 | 19.30 | 17.57 | 16.06 | 14.73 | 13.56 | 12.52 | 11.59 | 10.77 | 10.02 | 9.35 |
| XB550.075 | 22.23 | 719 | 359 | 239 | 179 | 143 | 119 | 102 | 89.80 | 79.80 | 71.80 | 65.30 | 59.80 | 55.20 | 51.30 | 45.16 | 39.66 | 35.11 | 31.29 | 28.06 | 25.31 | 22.93 | 20.88 | 19.08 | 17.51 | 16.12 | 14.89 | 13.79 | 12.80 | 11.92 | 11.13 |
| XB550.100 | 23.19 | 719 | 359 | 239 | 179 | 143 | 119 | 102 | 89.80 | 79.80 | 71.80 | 65.30 | 59.80 | 55.20 | 51.30 | 47.80 | 44.80 | 40.38 | 35.99 | 32.28 | 29.11 | 26.38 | 24.02 | 21.95 | 20.14 | 18.55 | 17.13 | 15.87 | 14.74 | 13.73 | 12.81 |
| XB550.125 | 24.15 | 719 | 359 | 239 | 179 | 143 | 119 | 102 | 89.80 | 79.80 | 71.80 | 65.30 | 59.80 | 55.20 | 51.30 | 47.80 | 44.80 | 42.20 | 39.80 | 36.28 | 32.72 | 29.65 | 27.00 | 24.68 | 22.65 | 20.85 | 19.26 | 17.84 | 16.58 | 15.44 | 14.41 |
| XB550.150 | 25.11 | 719 | 359 | 239 | 179 | 143 | 119 | 102 | 89.80 | 79.80 | 71.80 | 65.30 | 59.80 | 55.20 | 51.30 | 47.80 | 44.80 | 42.20 | 39.80 | 37.70 | 35.80 | 32.76 | 29.82 | 27.27 | 25.02 | 23.04 | 21.28 | 19.72 | 18.32 | 17.06 | 15.93 |

*Bold line indicates difference between shear and bending failure mode.

# XBEAM.
## Span Table. #2

UNIFORMLY DISTRIBUTED DESIGN LOAD CAPACITY(KN/M) FOR L/250 DEFLECTION. SIMPLY SUPPORTED CONDITIONS + FULL LATERAL RESTRAINT.

| Member | kg/m | Span in metres (m) | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 12.0 | 12.5 | 13.0 | 13.5 | 14.0 | 14.5 | 15.0 |
| XB250.000 | 11.21 | 41.68 | 24.12 | 15.19 | 10.18 | 7.15 | 5.21 | 3.91 | 3.02 | 2.37 | 1.90 | 1.54 | 1.27 | 1.06 | 0.89 | 0.76 | 0.65 | 0.56 | 0.49 | 0.43 | 0.38 | 0.33 | 0.30 | 0.26 | 0.24 | 0.21 | 0.19 |
| XB250.025 | 12.17 | | 37.77 | 23.79 | 15.94 | 11.19 | 8.16 | 6.13 | 4.72 | 3.71 | 2.97 | 2.42 | 1.99 | 1.66 | 1.40 | 1.19 | 1.02 | 0.88 | 0.77 | 0.67 | 0.59 | 0.52 | 0.46 | 0.41 | 0.37 | 0.33 | 0.30 |
| XB250.050 | 13.13 | | | 32.10 | 21.50 | 15.10 | 11.01 | 8.27 | 6.37 | 5.01 | 4.01 | 3.26 | 2.69 | 2.24 | 1.89 | 1.61 | 1.38 | 1.19 | 1.03 | 0.90 | 0.80 | 0.70 | 0.63 | 0.56 | 0.50 | 0.45 | 0.41 |
| XB250.075 | 14.09 | | | | 26.83 | 18.84 | 13.74 | 10.32 | 7.95 | 6.25 | 5.01 | 4.07 | 3.35 | 2.80 | 2.36 | 2.00 | 1.72 | 1.48 | 1.29 | 1.13 | 0.99 | 0.88 | 0.78 | 0.70 | 0.63 | 0.56 | 0.51 |
| XB250.100 | 15.05 | | | | 31.92 | 22.42 | 16.34 | 12.28 | 9.46 | 7.44 | 5.96 | 4.84 | 3.99 | 3.33 | 2.80 | 2.38 | 2.04 | 1.76 | 1.53 | 1.34 | 1.18 | 1.05 | 0.93 | 0.83 | 0.74 | 0.67 | 0.61 |
| XB250.125 | 16.01 | | | | | 25.86 | 18.85 | 14.16 | 10.91 | 8.58 | 6.87 | 5.59 | 4.60 | 3.84 | 3.23 | 2.75 | 2.36 | 2.04 | 1.77 | 1.55 | 1.36 | 1.21 | 1.07 | 0.96 | 0.86 | 0.77 | 0.70 |
| XB250.150 | 16.97 | | | | | 29.13 | 21.23 | 15.95 | 12.29 | 9.66 | 7.74 | 6.29 | 5.18 | 4.32 | 3.64 | 3.10 | 2.65 | 2.29 | 1.99 | 1.75 | 1.54 | 1.36 | 1.21 | 1.08 | 0.97 | 0.87 | 0.79 |
| XB400.000 | 15.28 | | 78.51 | 49.44 | 33.12 | 23.26 | 16.96 | 12.74 | 9.81 | 7.72 | 6.18 | 5.02 | 4.14 | 3.45 | 2.91 | 2.47 | 2.12 | 1.83 | 1.59 | 1.39 | 1.23 | 1.09 | 0.96 | 0.86 | 0.77 | 0.70 | 0.63 |
| XB400.025 | 16.24 | | | | 48.48 | 34.05 | 24.82 | 18.65 | 14.36 | 11.30 | 9.05 | 7.35 | 6.06 | 5.05 | 4.26 | 3.62 | 3.10 | 2.68 | 2.33 | 2.04 | 1.80 | 1.59 | 1.41 | 1.26 | 1.13 | 1.02 | 0.92 |
| XB400.050 | 17.20 | | | | | 44.50 | 32.44 | 24.37 | 18.77 | 14.77 | 11.82 | 9.61 | 7.92 | 6.60 | 5.56 | 4.73 | 4.06 | 3.50 | 3.05 | 2.67 | 2.35 | 2.08 | 1.85 | 1.65 | 1.48 | 1.33 | 1.20 |
| XB400.075 | 18.16 | | | | | | 39.81 | 29.91 | 23.04 | 18.12 | 14.51 | 11.80 | 9.72 | 8.10 | 6.83 | 5.80 | 4.98 | 4.30 | 3.74 | 3.27 | 2.88 | 2.55 | 2.27 | 2.02 | 1.81 | 1.63 | 1.47 |
| XB400.100 | 19.12 | | | | | | 46.94 | 35.27 | 27.16 | 21.37 | 17.11 | 13.91 | 11.46 | 9.55 | 8.05 | 6.84 | 5.87 | 5.07 | 4.41 | 3.86 | 3.40 | 3.00 | 2.67 | 2.38 | 2.14 | 1.92 | 1.74 |
| XB400.125 | 20.08 | | | | | | | 40.62 | 31.29 | 24.61 | 19.70 | 16.02 | 13.20 | 11.00 | 9.27 | 7.88 | 6.76 | 5.84 | 5.08 | 4.44 | 3.91 | 3.46 | 3.08 | 2.75 | 2.46 | 2.22 | 2.00 |
| XB400.150 | 21.04 | | | | | | | | 35.27 | 27.74 | 22.21 | 18.06 | 14.88 | 12.41 | 10.45 | 8.89 | 7.62 | 6.58 | 5.72 | 5.01 | 4.41 | 3.90 | 3.47 | 3.10 | 2.78 | 2.50 | 2.26 |
| XB550.000 | 19.35 | | | | 75.84 | 53.26 | 38.83 | 29.17 | 22.47 | 17.67 | 14.15 | 11.51 | 9.48 | 7.90 | 6.66 | 5.66 | 4.85 | 4.19 | 3.65 | 3.19 | 2.81 | 2.49 | 2.21 | 1.97 | 1.77 | 1.59 | 1.44 |
| XB550.025 | 20.31 | | | | | 73.83 | 53.82 | 40.44 | 31.15 | 24.50 | 19.61 | 15.95 | 13.14 | 10.95 | 9.23 | 7.85 | 6.73 | 5.81 | 5.05 | 4.42 | 3.89 | 3.44 | 3.06 | 2.73 | 2.45 | 2.21 | 1.99 |
| XB550.050 | 21.27 | | | | | | 68.57 | 51.52 | 39.68 | 31.21 | 24.99 | 20.32 | 16.74 | 13.96 | 11.76 | 10.00 | 8.57 | 7.40 | 6.44 | 5.64 | 4.96 | 4.39 | 3.90 | 3.48 | 3.12 | 2.81 | 2.54 |
| XB550.075 | 22.23 | | | | | | | 62.22 | 47.93 | 37.70 | 30.18 | 24.54 | 20.22 | 16.86 | 14.20 | 12.07 | 10.35 | 8.94 | 7.78 | 6.81 | 5.99 | 5.30 | 4.71 | 4.21 | 3.77 | 3.40 | 3.07 |
| XB550.100 | 23.19 | | | | | | | | 56.18 | 44.19 | 35.38 | 28.76 | 23.70 | 19.76 | 16.65 | 14.15 | 12.13 | 10.48 | 9.12 | 7.98 | 7.02 | 6.21 | 5.52 | 4.93 | 4.42 | 3.98 | 3.60 |
| XB550.125 | 24.15 | | | | | | | | | 50.45 | 40.39 | 32.84 | 27.06 | 22.56 | 19.01 | 16.16 | 13.85 | 11.97 | 10.41 | 9.11 | 8.02 | 7.09 | 6.31 | 5.63 | 5.05 | 4.54 | 4.11 |
| XB550.150 | 25.11 | | | | | | | | | | 45.41 | 36.92 | 30.42 | 25.36 | 21.36 | 18.17 | 15.58 | 13.45 | 11.70 | 10.24 | 9.01 | 7.97 | 7.09 | 6.33 | 5.68 | 5.11 | 4.61 |

*Values under bold line do not reach deflection limit prior to shear/bending failure.

# XBEAM.
## Span Table. #3

UNIFORMLY DISTRIBUTED DESIGN LOAD CAPACITY(KN/M) FOR L/300 DEFLECTION. SIMPLY SUPPORTED CONDITIONS + FULL LATERAL RESTRAINT.

| Member | kg/m | Span in metres (m) | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 10.5 | 11.0 | 11.5 | 12.0 | 12.5 | 13.0 | 13.5 | 14.0 | 14.5 | 15.0 |
| XB250.000 | 11.21 | 34.7 | 20.1 | 12.7 | 8.48 | 5.96 | 4.34 | 3.26 | 2.51 | 1.98 | 1.58 | 1.29 | 1.06 | 0.884 | 0.744 | 0.633 | 1.543 | 0.469 | 0.408 | 0.357 | 0.314 | 0.278 | 0.247 | 0.221 | 0.198 | 0.178 | 0.161 |
| XB250.025 | 12.17 | 54.4 | 31.5 | 19.8 | 13.3 | 9.33 | 6.80 | 5.11 | 3.93 | 3.09 | 2.48 | 2.01 | 1.66 | 1.38 | 1.17 | 0.991 | 0.850 | 0.734 | 0.639 | 0.559 | 0.492 | 0.435 | 2.387 | 0.345 | 0.310 | 0.279 | 0.252 |
| XB250.050 | 13.13 | | 42.5 | 26.7 | 17.9 | 12.6 | 9.18 | 6.89 | 5.31 | 4.18 | 3.34 | 2.72 | 2.24 | 1.87 | 1.57 | 1.34 | 1.15 | 0.991 | 0.862 | 0.754 | 0.664 | 0.587 | 0.522 | 0.466 | 0.418 | 0.376 | 0.340 |
| XB250.075 | 14.09 | | | 33.4 | 22.4 | 15.7 | 11.4 | 8.60 | 6.63 | 5.21 | 4.17 | 3.39 | 2.80 | 2.33 | 1.96 | 1.67 | 1.43 | 1.24 | 1.08 | 0.941 | 0.828 | 0.733 | 0.654 | 0.582 | 0.522 | 0.469 | 0.424 |
| XB250.100 | 15.05 | | | 39.7 | 26.6 | 18.7 | 13.6 | 10.2 | 7.88 | 6.20 | 4.96 | 4.04 | 3.33 | 2.77 | 2.34 | 1.99 | 1.70 | 1.47 | 1.28 | 1.12 | 0.985 | 0.872 | 0.775 | 0.692 | 0.620 | 0.558 | 0.504 |
| XB250.125 | 16.01 | | | | 30.7 | 21.5 | 15.7 | 11.8 | 9.09 | 7.15 | 5.72 | 4.65 | 3.84 | 3.20 | 2.69 | 2.29 | 1.96 | 1.70 | 1.48 | 1.29 | 1.14 | 1.01 | 0.894 | 0.798 | 0.716 | 0.644 | 0.582 |
| XB250.150 | 16.97 | | | | 34.6 | 24.3 | 17.7 | 13.3 | 10.2 | 8.05 | 6.45 | 5.24 | 4.32 | 3.60 | 3.03 | 2.58 | 2.21 | 1.91 | 1.66 | 1.45 | 1.28 | 1.13 | 1.01 | 0.899 | 0.806 | 0.726 | 0.655 |
| XB400.000 | 15.28 | | 65.4 | 41.2 | 27.6 | 19.4 | 14.1 | 10.6 | 8.18 | 6.43 | 5.15 | 4.19 | 3.45 | 2.88 | 2.42 | 2.06 | 1.77 | 1.53 | 1.33 | 1.16 | 1.02 | 0.904 | 0.804 | 0.718 | 0.644 | 0.579 | 0.523 |
| XB400.025 | 16.24 | | | 60.3 | 40.4 | 28.4 | 20.7 | 15.5 | 12.0 | 9.42 | 7.54 | 6.13 | 5.05 | 4.21 | 3.55 | 3.02 | 2.59 | 2.23 | 1.94 | 1.70 | 1.50 | 1.32 | 1.18 | 1.05 | 0.942 | 0.848 | 0.766 |
| XB400.050 | 17.20 | | | | 52.8 | 37.1 | 27.0 | 20.3 | 15.6 | 12.3 | 9.85 | 8.01 | 6.60 | 5.50 | 4.64 | 3.94 | 3.38 | 2.92 | 2.54 | 2.22 | 1.96 | 1.73 | 1.54 | 1.37 | 1.23 | 1.11 | 1.00 |
| XB400.075 | 18.16 | | | | | 45.5 | 33.2 | 24.9 | 19.2 | 15.1 | 12.1 | 9.83 | 8.10 | 6.75 | 5.69 | 4.84 | 4.15 | 3.58 | 3.12 | 2.73 | 2.40 | 2.12 | 1.89 | 1.69 | 1.51 | 1.36 | 1.23 |
| XB400.100 | 19.12 | | | | | | 39.1 | 29.4 | 22.6 | 17.8 | 14.3 | 11.6 | 9.55 | 7.96 | 6.71 | 5.70 | 4.89 | 4.22 | 3.67 | 3.21 | 2.83 | 2.50 | 2.23 | 1.99 | 1.78 | 1.60 | 1.45 |
| XB400.125 | 20.08 | | | | | | 45.1 | 33.9 | 26.1 | 20.5 | 16.4 | 13.3 | 11.0 | 9.17 | 7.73 | 6.57 | 5.63 | 4.87 | 4.23 | 3.70 | 3.26 | 2.88 | 2.56 | 2.29 | 2.05 | 1.85 | 1.67 |
| XB400.150 | 21.04 | | | | | | | 38.2 | 29.4 | 23.1 | 18.5 | 15.0 | 12.4 | 10.3 | 8.71 | 7.40 | 6.35 | 5.48 | 4.77 | 4.17 | 3.67 | 3.25 | 2.89 | 2.58 | 2.31 | 2.08 | 1.88 |
| XB550.000 | 19.35 | | | 94.3 | 63.2 | 44.4 | 32.4 | 24.3 | 18.7 | 14.7 | 11.8 | 9.59 | 7.90 | 6.59 | 5.55 | 4.72 | 4.04 | 3.49 | 3.04 | 2.66 | 2.34 | 2.07 | 1.84 | 1.64 | 1.47 | 1.33 | 1.20 |
| XB550.025 | 20.31 | | | | 87.6 | 61.5 | 44.9 | 33.7 | 26.0 | 20.4 | 16.3 | 13.3 | 11.0 | 9.13 | 7.69 | 6.54 | 5.61 | 4.84 | 4.21 | 3.69 | 3.24 | 2.87 | 2.55 | 2.28 | 2.04 | 1.84 | 1.66 |
| XB550.050 | 21.27 | | | | | 78.4 | 57.1 | 42.9 | 33.1 | 26.0 | 20.8 | 16.9 | 14.0 | 11.6 | 9.80 | 8.33 | 7.14 | 6.17 | 5.37 | 4.70 | 4.13 | 3.66 | 3.25 | 2.90 | 2.60 | 2.34 | 2.12 |
| XB550.075 | 22.23 | | | | | | 69.0 | 51.9 | 39.9 | 31.4 | 25.2 | 20.4 | 16.9 | 14.0 | 11.8 | 10.1 | 8.63 | 7.45 | 6.48 | 5.67 | 4.99 | 4.42 | 3.93 | 3.51 | 3.14 | 2.83 | 2.56 |
| XB550.100 | 23.19 | | | | | | | 60.8 | 46.8 | 36.8 | 29.5 | 24.0 | 19.8 | 16.5 | 13.9 | 11.8 | 10.1 | 8.74 | 7.60 | 6.65 | 5.85 | 5.18 | 4.60 | 4.11 | 3.69 | 3.32 | 3.00 |
| XB550.125 | 24.15 | | | | | | | | 53.5 | 42.0 | 33.7 | 27.4 | 22.6 | 18.8 | 15.8 | 13.5 | 11.5 | 9.97 | 8.67 | 7.59 | 6.68 | 5.91 | 5.26 | 4.69 | 4.21 | 3.79 | 3.42 |
| XB550.150 | 25.11 | | | | | | | | | 47.3 | 37.8 | 30.8 | 25.4 | 21.1 | 17.8 | 15.1 | 13.0 | 11.2 | 9.75 | 8.53 | 7.51 | 6.65 | 5.91 | 5.28 | 4.73 | 4.26 | 3.85 |

*Values under bold line do not reach deflection limit prior to shear/bending failure.

# XBEAM.
## Span Table. #4

### DESIGN MOMENT CAPACITY (KN/M) WITHOUT LATERAL RESTRAINT.

| Member | kg/m | φM | Effective unbraced length in metres (m) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0.5 | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.5 | 4.0 | 4.5 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 | 7.5 |
| XB250.000 | 11.21 | 49.69 | 46.31 | 42.92 | 39.53 | 36.13 | 32.74 | 29.35 | 21.48 | 16.45 | 13.00 | 10.53 | 8.70 | 7.31 | 6.23 | 5.37 | 4.68 |
| XB250.025 | 12.17 | 75.98 | 71.19 | 66.42 | 61.65 | 56.88 | 52.12 | 47.35 | 38.83 | 29.73 | 23.49 | 19.03 | 15.73 | 13.21 | 11.26 | 9.71 | 8.46 |
| XB250.050 | 13.13 | 100.20 | 94.16 | 88.21 | 82.27 | 76.32 | 70.37 | 64.43 | 57.16 | 43.76 | 34.58 | 28.01 | 23.15 | 19.45 | 16.57 | 14.29 | 12.45 |
| XB250.075 | 14.09 | 122.58 | 115.40 | 108.43 | 101.46 | 94.49 | 87.52 | 80.55 | 73.58 | 58.16 | 45.95 | 37.22 | 30.76 | 25.85 | 22.03 | 18.99 | 16.54 |
| XB250.100 | 15.05 | 143.23 | 135.00 | 127.13 | 119.26 | 111.39 | 103.52 | 95.65 | 87.78 | 72.60 | 57.37 | 46.47 | 38.40 | 32.27 | 27.50 | 23.71 | 20.65 |
| XB250.125 | 16.01 | 162.24 | 153.06 | 144.39 | 135.73 | 127.06 | 118.40 | 109.74 | 101.07 | 86.89 | 68.66 | 55.61 | 45.96 | 38.62 | 32.91 | 28.37 | 24.72 |
| XB250.150 | 16.97 | 179.69 | 169.62 | 160.26 | 150.90 | 141.54 | 132.18 | 122.81 | 113.45 | 100.89 | 79.72 | 64.57 | 53.36 | 44.84 | 38.21 | 32.94 | 28.70 |
| XB400.000 | 15.28 | 96.53 | 88.92 | 81.52 | 74.12 | 66.71 | 59.31 | 44.71 | 32.85 | 25.15 | 19.87 | 16.09 | 13.30 | 11.18 | 9.52 | 8.21 | 7.15 |
| XB400.025 | 16.24 | 137.84 | 127.84 | 118.21 | 108.59 | 98.96 | 89.34 | 76.87 | 56.48 | 43.24 | 34.17 | 27.67 | 22.87 | 19.22 | 16.38 | 14.12 | 12.30 |
| XB400.050 | 17.20 | 176.62 | 164.50 | 152.98 | 141.46 | 129.94 | 118.42 | 106.90 | 82.77 | 63.37 | 50.07 | 40.56 | 33.52 | 28.16 | 24.00 | 20.69 | 18.02 |
| XB400.075 | 18.16 | 213.10 | 199.06 | 185.87 | 172.68 | 159.50 | 146.31 | 133.12 | 110.75 | 84.79 | 67.00 | 54.27 | 44.85 | 37.69 | 32.11 | 27.69 | 24.12 |
| XB400.100 | 19.12 | 247.44 | 231.61 | 216.94 | 202.27 | 187.60 | 172.93 | 158.25 | 139.79 | 107.03 | 84.57 | 68.50 | 56.61 | 47.57 | 40.53 | 34.95 | 30.44 |
| XB400.125 | 20.08 | 279.75 | 262.24 | 246.24 | 230.24 | 214.23 | 198.23 | 182.23 | 166.23 | 129.73 | 102.50 | 83.03 | 68.62 | 57.66 | 49.13 | 42.36 | 36.90 |
| XB400.150 | 21.04 | 310.09 | 291.02 | 273.82 | 256.62 | 239.42 | 222.22 | 205.03 | 187.83 | 152.65 | 120.62 | 97.70 | 80.74 | 67.85 | 57.81 | 49.85 | 43.42 |
| XB550.000 | 19.35 | 160.16 | 146.29 | 132.97 | 119.64 | 106.32 | 90.46 | 62.82 | 46.15 | 35.34 | 27.92 | 22.62 | 18.69 | 15.71 | 13.38 | 11.54 | 10.05 |
| XB550.025 | 20.31 | 215.99 | 198.82 | 182.53 | 166.24 | 149.96 | 133.67 | 102.87 | 75.58 | 57.86 | 45.72 | 37.03 | 30.61 | 25.72 | 21.91 | 18.89 | 16.46 |
| XB550.050 | 21.27 | 268.87 | 248.75 | 229.91 | 211.07 | 192.22 | 173.38 | 147.94 | 108.69 | 83.21 | 65.75 | 53.26 | 44.01 | 36.98 | 31.51 | 27.17 | 23.67 |
| XB550.075 | 22.23 | 319.05 | 296.24 | 275.13 | 254.02 | 232.91 | 211.80 | 190.69 | 144.46 | 110.60 | 87.39 | 70.79 | 58.50 | 49.16 | 41.89 | 36.12 | 31.46 |
| XB550.100 | 23.19 | 366.70 | 341.36 | 318.22 | 295.08 | 271.94 | 248.80 | 225.66 | 182.16 | 139.47 | 110.20 | 89.26 | 73.77 | 61.99 | 52.82 | 45.54 | 39.67 |
| XB550.125 | 24.15 | 411.92 | 384.22 | 359.24 | 334.27 | 309.29 | 284.32 | 259.34 | 221.24 | 169.39 | 133.84 | 108.41 | 89.59 | 75.28 | 64.15 | 55.31 | 48.18 |
| XB550.150 | 25.11 | 454.82 | 424.88 | 398.24 | 371.60 | 344.96 | 318.32 | 291.69 | 261.28 | 200.04 | 158.06 | 128.03 | 105.81 | 88.91 | 75.76 | 65.32 | 56.90 |