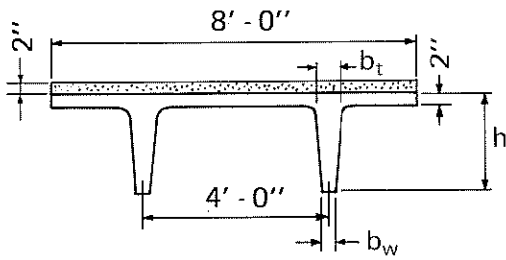


DOUBLE TEE

TYPE "B" LOAD TABLE

8' - 0" Wide
Wide Stem Members
Normal Weight Concrete



| Section Properties | | | | | | | |
|--------------------|---------|--------------------------------------|-----------------------|----------------------|------------------------------------|------------------------------------|----------|
| Designation | h (in.) | b _t /b _w (in.) | I (in. ⁴) | y _b (in.) | Z _b (in. ³) | Z _t (in. ³) | wt (plf) |
| 8DT16A+2 | 16 | 8.00/6.00 | 12,698 | 12.76 | 995 | 2423 | 604 |
| 8DT18A+2 | 18 | 9.75/7.75 | 20,472 | 13.56 | 1510 | 3179 | 692 |
| 8DT20A+2 | 20 | 8.00/5.50 | 22,040 | 15.57 | 1416 | 3428 | 653 |
| 8DT20B+2 | 20 | 9.75/7.50 | 26,638 | 14.87 | 1791 | 3736 | 723 |
| 8DT24A+2 | 24 | 8.00/5.00 | 34,262 | 18.39 | 1863 | 4502 | 698 |
| 8DT24B+2 | 24 | 9.75/7.00 | 41,825 | 17.50 | 2390 | 4921 | 783 |
| 8DT32A+2 | 32 | 8.00/4.00 | 66,253 | 24.12 | 2747 | 6706 | 772 |
| 8DT32B+2 | 32 | 9.75/6.00 | 83,904 | 22.78 | 3687 | 7465 | 892 |

Key

- 65 — Safe superimposed load, psf *long term*
- 1.34 — Anticipated ~~initial~~ camber, in.
- 1.78 — Deflection due to superimposed load shown, in.

Table of Safe Superimposed Loads, Cambers and Deflections

2" Normal Weight Topping

| Designation | No. Strand | e _e e _c | Span, ft. | | | | | | | | | | | | | | | | | | |
|-------------|------------|----------------------------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|--|
| | | | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | |
| 8DT 16A+2 | 8 | 5.13 8.88 | 170* | 142* | 119* | 99* | 83* | 68* | 56* | 46* | 34 | | | | | | | | | | |
| | | | 0.92 | 0.99 | 1.03 | 1.05 | 1.05 | 1.02 | 0.96 | 0.87 | 0.73 | | | | | | | | | | |
| 8DT 18A+2 | 12 | 5.17 9.34 | | | | 190* | 163* | 140* | 121* | 104* | 89* | 76* | 64* | 53 | 42 | 31 | | | | | |
| | | | | | | 1.17 | 1.24 | 1.28 | 1.29 | 1.28 | 1.24 | 1.17 | 1.06 | 0.91 | 0.72 | 0.49 | | | | | |
| 8DT 20A+2 | 12 | 5.05 11.22 | | | | | | 145* | 126* | 110* | 95* | 83* | 71* | 60 | 49 | 39 | 30 | | | | |
| | | | | | | | | 1.44 | 1.51 | 1.56 | 1.59 | 1.60 | 1.59 | 1.51 | 1.38 | 1.21 | 0.99 | | | | |
| 8DT 20B+2 | 16 | 4.06 10.31 | | | | | | | | 150* | 132* | 115* | 101* | 88* | 77* | 65 | 53 | 43 | 33 | | |
| | | | | | | | | 1.56 | 1.60 | 1.62 | 1.61 | 1.58 | 1.49 | 1.34 | 1.15 | 0.91 | 0.62 | | | | |

| Designation | No. Strand | e _e e _c | Span, ft. | | | | | | | | | | | | | | | | | | | |
|-------------|------------|----------------------------------|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|--|
| | | | 50 | 52 | 54 | 56 | 58 | 60 | 62 | 64 | 66 | 68 | 70 | 72 | 74 | 76 | 78 | 80 | 82 | 84 | | |
| 8DT 24A+2 | 12 | 7.00 13.83 | 113* | 99* | 87* | 75* | 65* | 56 | 46 | 37 | 28 | | | | | | | | | | | |
| | | | 1.50 | 1.52 | 1.50 | 1.44 | 1.36 | 1.25 | 1.11 | 0.93 | 0.71 | | | | | | | | | | | |
| 8DT 24B+2 | 16 | 6.51 12.76 | 172* | 154* | 138* | 123* | 110* | 99* | 88* | 79* | 70* | 62* | 55* | 48* | 40 | 33 | 26 | | | | | |
| | | | 2.67 | 2.79 | 2.90 | 2.99 | 3.07 | 3.12 | 3.14 | 3.07 | 2.97 | 2.82 | 2.62 | 2.38 | 2.08 | 1.73 | 1.32 | | | | | |
| 8DT 32A+2 | 16 | 7.46 17.96 | | | | | | 137* | 124* | 109 | 96 | 84 | 73 | 63 | 53 | 45 | 37 | | | | | |
| | | | | | | | | 1.54 | 1.56 | 1.56 | 1.54 | 1.50 | 1.44 | 1.33 | 1.18 | 1.01 | 0.80 | | | | | |
| 8DT 32B+2 | 20 | 7.67 17.47 | | | | | | 183* | 165* | 150* | 135* | 122* | 110* | 99* | 88 | 77 | 66 | 57 | 48 | 39 | | |
| | | | | | | | | 1.69 | 1.72 | 1.73 | 1.73 | 1.71 | 1.65 | 1.55 | 1.42 | 1.27 | 1.08 | 0.87 | 0.62 | 0.33 | | |

* Capacity governed by ultimate strength Values below heavy line require release strengths higher than 3500 psi
f_c = 5000 psi f_{pu} = 270,000 psi