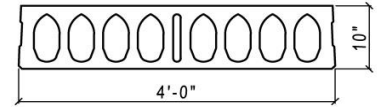




Ultralight Load Table 10" Thick 1.63" Strand Cover



| No Structural Topping Dead Load Weight of Slab = 67 psf | | | | | |
|--|--|-------------|-------------|-------------|-------------|
| IBC Fire Ratings | Unrestrained 2 hours | | | | |
| | Restrained 3 hours | | | | |
| Section Properties | | | | | |
| A=277 in ² | Yt=4.83 in | b=14.6 in | | | |
| I=3238 in ⁴ | Yb=5.17 in | wt=67 psf | | | |
| ϕM_n ft-k/ft | 26.94 | 35.21 | 43.1 | 48.97 | 58.3 |
| Series | 1.63E-10706 | 1.63E-10708 | 1.63E-10710 | 1.63E-10808 | 1.63E-10810 |
| Span in Feet | Allowable Superimposed Load In lbs/ft ² | | | | |
| 16 | 453 | | | | |
| 17 | 409 | 456 | 499 | | |
| 18 | 365 | 412 | 451 | 460 | |
| 19 | 323 | 374 | 408 | 432 | |
| 20 | 286 | 343 | 373 | 396 | 406 |
| 21 | 255 | 317 | 344 | 361 | 384 |
| 22 | 228 | 290 | 314 | 333 | 363 |
| 23 | 204 | 270 | 292 | 309 | 345 |
| 24 | 183 | 250 | 272 | 285 | 319 |
| 25 | 165 | 231 | 252 | 266 | 295 |
| 26 | 149 | 210 | 237 | 246 | 275 |
| 27 | 134 | 191 | 220 | 232 | 257 |
| 28 | 121 | 174 | 207 | 216 | 239 |
| 29 | 110 | 159 | 194 | 205 | 225 |
| 30 | 99 | 145 | 182 | 191 | 210 |
| 31 | 90 | 133 | 173 | 181 | 198 |
| 32 | 81 | 122 | 160 | 170 | 186 |
| 33 | | 111 | 148 | 160 | 177 |
| 34 | | 102 | 136 | 154 | 166 |
| 35 | | 93 | 126 | 144 | 156 |
| 36 | | 85 | 116 | 134 | 149 |
| 37 | | | 107 | 124 | 141 |
| 38 | | | 99 | 114 | 133 |
| 39 | | | 91 | 106 | 126 |
| 40 | | | 84 | 98 | 117 |
| 41 | | | | 90 | 109 |
| 42 | | | | 83 | 101 |
| 43 | | | | | 94 |
| 44 | | | | | 87 |
| 45 | | | | | 81 |
| 46 | | | | | 75 |

| 2" Bonded Structural Topping Dead Load Weight of Slab With Topping = 92 psf | | | | | |
|--|--|--------------|--------------|--------------|--------------|
| IBC Fire Ratings | Unrestrained 2 hours | | | | |
| | Restrained 4 hours | | | | |
| Section Properties | | | | | |
| A=362 in ² | Yt=5.46 in | b=14.6 in | | | |
| I=5473 in ⁴ | Yb=6.54 in | wt=92 psf | | | |
| ϕM_n ft-k/ft | 33.19 | 43.22 | 52.69 | 60.05 | 72.6 |
| Series | 1.63E-10706T | 1.63E-10708T | 1.63E-10710T | 1.63E-10808T | 1.63E-10810T |
| Span in Feet | Allowable Superimposed Load In lbs/ft ² | | | | |
| 17 | 469 | | | | |
| 18 | 439 | | | | |
| 19 | 391 | 412 | | | |
| 20 | 346 | 388 | | | |
| 21 | 307 | 366 | | | |
| 22 | 274 | 346 | | | |
| 23 | 245 | 328 | | | |
| 24 | 219 | 306 | 312 | | |
| 25 | 196 | 277 | 296 | | |
| 26 | 176 | 251 | 282 | | |
| 27 | 159 | 227 | 269 | | |
| 28 | | 207 | 252 | 256 | |
| 29 | | 188 | 238 | 245 | |
| 30 | | 171 | 221 | 234 | |
| 31 | | 156 | 205 | 220 | 225 |
| 32 | | | 188 | 207 | 216 |
| 33 | | | 173 | 194 | 207 |
| 34 | | | 158 | 179 | 199 |
| 35 | | | 143 | 162 | 188 |
| 36 | | | | 148 | 180 |
| 37 | | | | 134 | 165 |
| 38 | | | | | 151 |
| 39 | | | | | 138 |
| 40 | | | | | 126 |
| 41 | | | | | 115 |

Concrete Strength: 6,000 psi at 28 days
 Prestress Strands: 3/8", 7/16", 1/2" special, 270 ksi Lo-Lax

Camber 1"-1 1/2"
 Camber > 1 1/2"

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