

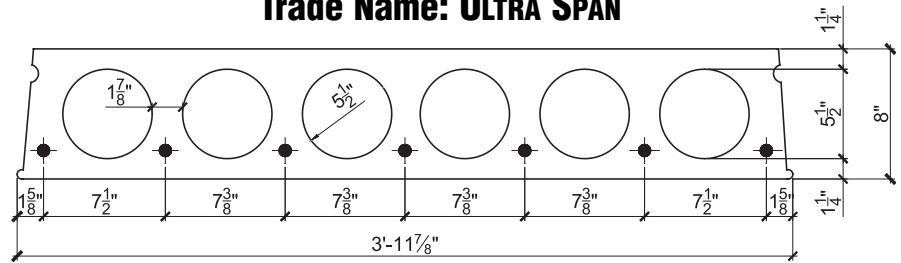
HOLLOWCORE SLAB 8"

Safe Load Tables SECTIONAL PROPERTIES

	UNTOPPED	TOPPED
A	= 241 in ²	309 in ²
I	= 1779 in ⁴	3126 in ⁴
Yt	= 4.0 in	4.9 in
Yb	= 4.0 in	5.1 in
St	= 445 in ³	638 in ³
Sb	= 445 in ³	613 in ³
bw	= 15.0 in	15 in
Wgt	= 62 lbs/ft ²	87 lbs/ft ²
v/s	= 2.15 in	

f'ci=3500psi f'c=6000psi
f'ct=3000psi fpu=270ksi

Trade Name: **ULTRA SPAN**



8" HC (UNTOPPED)

STRAND DESIGNATION CODE	SPAN (FT)																																				
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34																	
48-S	328 0.2 0.3	282 0.2 0.3	244 0.2 0.3	212 0.2 0.3	185 0.3 0.3	162 0.3 0.3	142 0.3 0.3	125 0.2 0.2	110 0.2 0.3	97 0.2 0.2	85 0.1 0.1	75 0.1 0.0	66 0.0 -0.1	57 -0.1 -0.2	50 -0.2 -0.4	43 -0.4 -0.5	37 -0.3 -0.7	32 -0.4 -0.7																			
58-S		359 0.3 0.4	312 0.3 0.4	273 0.3 0.5	240 0.4 0.5	211 0.4 0.5	187 0.4 0.5	166 0.4 0.5	147 0.4 0.5	131 0.4 0.5	11 0.4 0.4	104 0.3 0.4	93 0.3 0.3	82 0.3 0.3	73 0.2 0.2	65 0.1 0.0	58 0.0 -0.1	51 -0.1 -0.3	45 -0.2 -0.4	39 -0.3 -0.7																	
78-S				387 0.5 0.7	342 0.5 0.8	304 0.6 0.8	271 0.6 0.9	242 0.7 0.9	217 0.7 0.9	195 0.7 1.0	176 0.8 1.0	159 0.8 1.0	143 0.8 0.9	130 0.7 0.9	117 0.7 0.9	106 0.7 0.8	96 0.6 0.7	87 0.6 0.6	79 0.5 0.5	71 0.4 0.3																	

8" HC (2" Structural Concrete Topping)

STRAND DESIGNATION CODE	SPAN (FT)																																					
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34																		
48-S	391 0.2 0.2	335 0.2 0.2	288 0.2 0.2	249 0.2 0.2	216 0.3 0.2	188 0.3 0.2	164 0.3 0.2	143 0.2 0.1	125 0.2 0.1	109 0.2 0.0	95 0.2 -0.1	82 0.1 -0.2	71 0.1 -0.3	61 0.0 -0.5	52 -0.1 -0.6	44 -0.2 -0.8	36 -0.3 1.0	30 -0.4 -1.3	24 -0.5 -1.5																			
58-S			363 0.3 0.3	316 0.3 0.3	276 0.4 0.4	242 0.4 0.3	213 0.4 0.3	188 0.4 0.3	165 0.4 0.3	146 0.4 0.2	129 0.4 0.2	114 0.3 0.1	100 0.3 0.0	88 0.2 -0.1	77 0.1 -0.3	68 0.1 -0.5	59 0.0 -0.7	51 -0.1 -0.9	43 -0.2 -1.1	37 -0.3 -1.4																		
78-S						344 0.6 0.6	305 0.7 0.7	272 0.7 0.7	243 0.7 0.7	217 0.7 0.7	194 0.8 0.6	174 0.8 0.6	156 0.8 0.5	140 0.7 0.4	126 0.7 0.3	113 0.7 0.2	101 0.6 0.1	91 0.6 -0.1	81 0.5 -0.3	72 0.4 -0.5																		

NOTES:

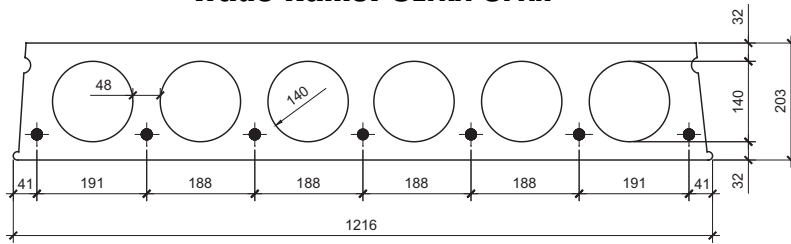
- 1 Loads indicated are total superimposed service loads in lbs/ft².
- 2 Design confirms with ACI-318-99 and CSA 23.3-94.
- 3 For higher loads than indicated - Contact Manufacturer.
- 4 Live load deflection is less than L/360.
- 5 The camber values provided are only estimated and should not be used as absolute values. Always contact manufacturer, if camber is a concern.

See Specification Key for details at beginning of section.

203 mm

HOLLOWCORE SLAB

Trade Name: **ULTRA SPAN**



Safe Load Tables SECTIONAL PROPERTIES

	UNTOPPED	TOPPED
A	$= 1.555 \times 10^9 \text{mm}^2$	$1.994 \times 10^9 \text{mm}^2$
I	$= 7.405 \times 10^8 \text{mm}^4$	$1.301 \times 10^9 \text{mm}^4$
Yt	= 102 mm	125 mm
Yb	= 102 mm	130 mm
St	$= 7.292 \times 10^6 \text{mm}^3$	$1.045 \times 10^7 \text{mm}^3$
Sb	$= 7.292 \times 10^6 \text{mm}^3$	$1.005 \times 10^7 \text{mm}^3$
bw	= 381 mm	381 mm
Wgt	= 2.97 kN/m ²	4.17 kN/m ²
v/s	= 54.61 mm	

f'ci=24 MPa f'c=41 MPa
f'ct=21 MPa fpu=1860 MPa

203 mm HC (UNTOPPED)																				
SPAN (m)																				
STRAND DESIGNATION CODE	4.5	4.8	5.1	5.4	5.7	6.0	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.1	10.4
48-S	15.7 5.1 7.6	13.5 5.1 7.6	11.7 5.1 7.6	10.2 5.1 7.6	8.9 7.6 7.6	7.8 7.6 7.6	6.8 7.6 7.6	6.0 5.1 7.6	5.3 5.1 7.6	4.6 5.1 5.1	4.1 5.1 5.1	3.6 2.5 2.5	3.2 2.5 0.0	2.7 -2.5 -2.5	2.4 -5.1 -5.1	2.1 -10.2 -10.2	1.8 -7.6 -12.7	1.5 -10.2 -17.8		
58-S		17.2 7.6 10.2	14.9 7.6 10.2	13.1 7.6 12.7	11.5 10.2 12.7	10.1 10.2 12.7	9.0 10.2 12.7	7.9 10.2 12.7	7.0 10.2 12.7	6.3 10.2 12.7	5.5 10.2 10.2	5.0 7.6 10.2	4.5 7.6 7.6	3.9 7.6 7.6	3.5 5.1 5.1	3.1 2.5 0.0	2.8 0.0 -2.5	2.4 -2.5 -7.6	2.2 -5.1 -10.2	1.9 -7.6 -17.8
78-S				18.5 12.7 17.8	16.4 15.2 20.3	14.6 15.2 20.3	13.0 17.8 22.9	11.6 17.8 22.9	10.4 17.8 23.1	9.3 17.8 25.4	8.4 20.3 25.4	7.6 20.3 25.4	6.8 20.3 22.9	6.2 17.8 22.9	5.6 17.8 22.9	5.1 17.8 20.3	4.6 15.2 17.8	4.2 15.2 15.2	3.8 12.7 12.7	3.4 10.2 7.6

203 mm HC (50 mm Structural Concrete Topping)																				
SPAN (m)																				
STRAND DESIGNATION CODE	4.5	4.8	5.1	5.4	5.7	6.0	6.4	6.7	7.0	7.3	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.1	10.4
48-S	18.7 5.1 5.1	16.0 5.1 5.1	13.8 5.1 5.1	11.9 5.1 5.1	10.3 7.6 5.1	9.0 7.6 5.1	7.9 7.6 5.1	6.8 5.1 2.5	6.0 5.1 2.5	5.2 5.1 0.0	4.5 5.1 -2.5	3.9 2.5 -5.1	3.4 2.5 -7.6	2.9 0.0 -12.7	2.5 -2.5 -15.2	2.1 -5.1 -20.3	1.7 -7.6 25.4	1.4 -10.2 -33.0	1.1 -12.7 -38.1	
58-S			17.4 7.6 7.6	15.1 7.6 7.6	13.2 10.2 10.2	11.6 10.2 7.6	10.2 10.2 7.6	9.0 10.2 7.6	7.9 10.2 7.6	7.0 10.2 5.1	6.2 10.2 5.1	5.5 7.6 2.5	4.8 7.6 0.0	4.2 7.6 -2.5	3.7 5.1 -7.6	3.3 2.5 -12.7	3.3 0.0 -17.8	2.8 -2.5 -27.9	2.4 -5.1 -27.9	2.1 -7.6 -35.6
78-S						16.5 15.2 17.8	14.6 17.8 17.8	13.0 17.8 17.8	11.6 17.8 17.8	10.4 17.8 17.8	9.3 20.3 15.2	8.3 20.3 12.7	7.5 20.3 12.7	6.7 17.8 10.2	6.0 17.8 7.6	5.4 17.8 5.1	4.8 15.2 2.5	4.4 15.2 -2.5	3.9 12.7 -7.6	3.4 10.2 -12.7

NOTES:

1. Loads indicated are total superimposed service loads in kN/m².
2. Design confirms with ACI-318-99 and CSA 23.3-94.
3. For higher loads than indicated - Contact Manufacturer.
4. Live load deflection is less than L/360.
5. The camber values provided are only estimated and should not be used as absolute values. Always contact manufacturer, if camber is a concern.

See Specification Key for details at beginning of section.