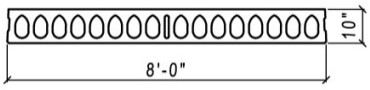
SPANCRETE
Building Innovation.

Load Table
96" Wide 10" Thick
1.63" Strand Cover



No Structural Topping
Dead Load Weight of Slab = 75 psf

IBC Fire Ratings	Unrestrained 2 hours / Restrained 3 hours				

Section Properties

A = 610 in² Yt = 4.79 in b = 29.5 in
I = 6964 in⁴ Yb = 5.21 in wt = 75 psf

ϕM_n ft-k/ft	26.94	35.21	37.91	48.98	54.18
Series	1.63H-10712	1.63H-10716	1.63H-10812	1.63H-10816	1.63H-10818
Span in Feet	Allowable Superimposed Load In lbs/ft²				
16	459				
17	410	458	475		
18	360	415	427		
19	317	378	388	425	
20	281	347	355	398	
21	249	315	327	365	376
22	222	292	299	337	354
23	198	271	278	309	325
24	178	249	256	287	301
25	159	225	239	266	278
26	143	204	223	248	260
27	129	185	204	232	242
28	116	168	186	216	227
29	104	153	169	202	212
30	93	139	154	191	200
31	84	127	141	178	186
32		116	129	170	178
33		105	118	159	166
34		96	108	150	157
35		88	99	143	150
36			90	133	140
37				123	133
38				113	125
39				104	115
40				96	106
41					98
42					91
43					84

2" Bonded Structural Topping
Dead Load Weight of Slab With Topping = 100 psf

IBC Fire Ratings	Unrestrained 2 hours / Restrained 4 hours				

Section Properties

A = 784 in² Yt = 5.53 in b = 29.5 in
I = 11471 in⁴ Yb = 6.47 in wt = 100 psf

ϕM_n ft-k/ft	33.2	43.22	46.51	60.05	66.43
Series	1.63H-10712T	1.63H-10716T	1.63H-10812T	1.63H-10816T	1.63H-10818T
Span in Feet	Allowable Superimposed Load In lbs/ft²				
16	496				
17	463				
18	433				
19	385	406			
20	340	382			
21	301	360			
22	268	340			
23	239	322			
24	213	300	305		
25	191	271	290		
26	171	245	269		
27	153	222	244		
28		201	222		
29		182	202		
30		165	183	229	
31			167	217	
32				206	210
33				191	201
34				178	191
35				161	179
36				146	163
37					148
38					135
39					122
40					
41					
42					
43					

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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Load tables are presented as guidelines only. Design requirements must be reviewed by the engineer of record for each specific project.