

DYNASPAN 8'0" x 8" Deep Light Weight concrete
(F'c @ 28 day = 5000 psi) (Density = 128 pcf)

Table of Safe Superimposed Loads (psf) ~ Strands are 1-7/8" clear from bottom
(2 hour fire rated – Minimum)

No Topping

Number & Size of 270k Strands Per 8'0" Width	Span, ft.																							
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
14-3/8"	250	220	192	168	147	129	114	101	89	79	69	61	54	47	41	36	30							
15-3/8"	270	237	207	181	159	141	124	110	98	87	77	68	60	53	47	41	36	30						
8-1/2"	183	171	158	147	141	132	116	103	91	80	71	63	55	49	43	37	30							
10-1/2"	238	222	206	191	178	171	152	135	120	108	96	86	77	69	62	55	49	43	38	34	30			
11-1/2"	261	241	224	201	195	189	169	151	135	121	109	98	88	79	71	64	57	50	45	40	35	30		
12-1/2"			244	228	218	208	185	166	149	134	121	109	98	88	80	72	65	59	53	47	40	35	30	
14-1/2"					226	212	192	175	165	159	144	130	118	107	97	88	80	73	66	60	54	49	42	35
15-1/2"						214	198	177	167	162	155	140	127	116	105	96	87	80	73	66	60	54	49	44

BOLD indicates that initial jacking requires 75% of ultimate to achieve this loading.

Table of Safe Superimposed Loads (psf) ~ Strands are 1-7/8" clear from bottom
(2 hour fire rated – Minimum)

2" Light Weight Topping fc = 3500 psi

Number & Size of 270k Strands Per 8'0" Width	Span, ft.																							
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
14-3/8"	335	290	252	220	193	169	149	131	115	102	89	78	69	60	52	44								
15-3/8"	360	312	272	238	209	184	162	143	127	112	99	87	77	68	59	51	44							
8-1/2"	265	239	225	208	197	173	152	134	118	104	92	81	71	62	54	46								
10-1/2"	331	305	283	263	254	224	199	177	157	140	125	112	100	89	79	68	60	51	35					
11-1/2"			314	298	281	249	222	198	177	158	141	127	114	102	91	80	70	61	53	46				
12-1/2"				300	285	273	244	218	195	175	157	141	127	114	102	91	80	71	62	55	48			
14-1/2"					290	275	250	231	225	208	188	169	153	139	125	112	100	90	80	70	63	55	48	
15-1/2"							259	239	231	220	202	183	166	151	136	122	110	99	88	79	71	63	56	48

BOLD indicates that initial jacking requires 75% of ultimate to achieve this loading.