

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" Normal 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"	332	287	249	217	189	166	146	128	112	98	86	75	66	57	49	40								
15-3/8"	357	309	269	235	206	181	159	140	123	109	96	84	74	64	56	47	38							
8-1/2"	262	236	222	205	194	170	149	131	115	101	89	78	68	59	51	40								
10-1/2"	328	303	283	263	250	221	196	174	154	137	122	109	97	86	75	65	55	45	35					
11-1/2"			311	295	278	246	218	194	173	155	138	124	110	99	87	76	65	56	45	35				
12-1/2"				300	282	270	240	214	192	172	154	138	124	111	100	86	74	65	55	45	35			
14-1/2"					286	271	247	221	215	204	184	166	150	136	121	107	95	85	71	58	55	45	35	
15-1/2"							252	234	230	220	199	180	163	148	132	119	106	95	85	74	66	59	51	44

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