



MID-STATES
CONCRETE INDUSTRIES

500 South Park Avenue

South Beloit, IL 61080

800.236.1072

msprecast.com

10" X 48" HOLLOW CORE

(3 HOUR FIRE RATING) see note 7

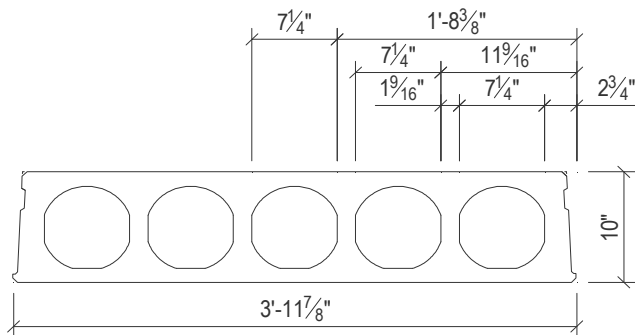
SAFE LOAD TABLE

Standard Designation	#/Size of 7-Wire strand	Strand Area Sq.In.	Mu in Ft.-Kips per unit	SIMPLE SPAN IN FEET-CENTER TO CENTER OF END BEARINGS																																
				10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
1.75-108	10-1/2	1.530	218.46	608	548	498	456	419	388	360	336	314	295	277	261	247	234	222	211	201	191	183	174	164	149	135	123	111	101	92	83	75	67	60		
1.75-28410	2-1/2,4-.6	1.174	172.63	608	548	480	422	375	335	302	273	249	227	208	192	247	234	214	191	171	154	138	124	111	99	89	79	70	62	55	48	42				
1.75-68	6-1/2	0.918	137.87	546	468	407	358	317	284	255	230	209	227	208	192	196	173	153	136	120	106	94	82	72	63	55	47	40								

UNIFORMLY DISTRIBUTED SUPERIMPOSED LOAD IN LBS. PER SQ. FT.

(Includes the live load plus dead load that is in addition to the weight of the grouted slabs in place.)

FOR LOADS & SPANS NOT SHOWN CONTACT MID-STATES CONCRETE INDUSTRIES



HOLLOW CORE: F'c = 9000 psi, WEIGHT = 72 psf

- 1- Dead Load, 72 psf grouted weight of structural unit.
- 2- Tabulated loads are based on ACI318-14 where $M_u = 1.2 M_d + 1.6 M_L$ and with all loads superimposed on the structural section considered as live load.
- 3- Camber is a result of the design rather than a design requirement. Heavy superimposed loads & / or long spans may cause excessive camber. Contact Mid-States Concrete Industries for more specific camber information.
- 4- Shaded blue values are governed by shear.
- 5- Shaded red values governed by M_{cr} criteria at partially developed strands.
- 6- All strand stresses to 65% of ultimate.
- 7- Plank needs cementitious topping for 3 hr. heat transmission to be met.