



**MID-STATES**  
CONCRETE INDUSTRIES

500 South Park Avenue

South Beloit, IL 61080

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msprecast.com

## **10" X 48" HOLLOW CORE**

**(2 HOUR FIRE RATING)**

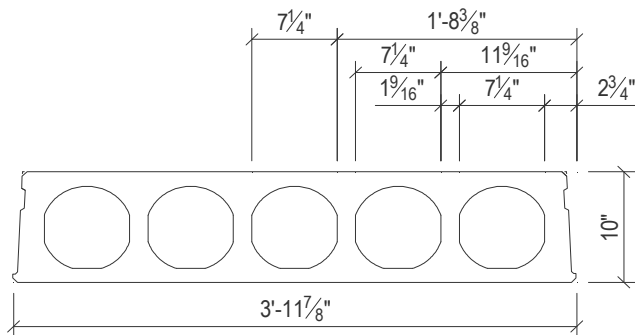
**SAFE LOAD TABLE**

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	167	160	153	147	141	135	130	125	120	110	101					
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	222	211	201	191	183	174	167	160	152	139	127	116	105	96	87	79	72					
1.75-68	6-1/2	0.918	137.87	546	468	407	358	317	284	255	230	209	227	208	192	247	234	222	211	201	182	164	148	134	120	109	98	88	79	71									

### **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<sub>cr</sub> criteria at partially developed strands.
- 6- Shaded yellow values governed by flexural tension at service loads.
- 7- All strand stresses to 65% of ultimate.