



MID-STATES
CONCRETE INDUSTRIES

500 South Park Avenue

South Beloit, IL 61080

800.236.1072

msprecast.com

8" X 48" HOLLOW CORE

(3 HOUR FIRE RATING) see note 8

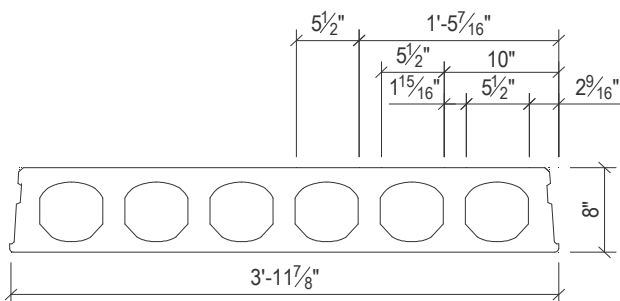
SAFE LOAD TABLE

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					
1.75-28510	2-1/2,5-.6	1.391	145.04	545	470	408	358	315	285	256	232	211	289	272	257	233	208	186	167	149	134	120	108	97	87	78	69	62	55										
1.75-78	7-1/2	1.071	115.67	463	396	344	303	269	240	215	195	177	247	217	191	169	149	132	117	103	91	80	71	62	54	47	41												

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 = 62 psf

- 1- Dead Load, 62 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- Shaded yellow values governed by flexural tension at service loads.
- 7- All strand stresses to 65% of ultimate.
- 8- Plank needs cementitious topping for 4 hr. heat transmission to be met.