



MID-STATES
CONCRETE INDUSTRIES

500 South Park Avenue

South Beloit, IL 61080

800.236.1072

msprecast.com

12" X 48" HOLLOW CORE

(2 HOUR FIRE RATING)

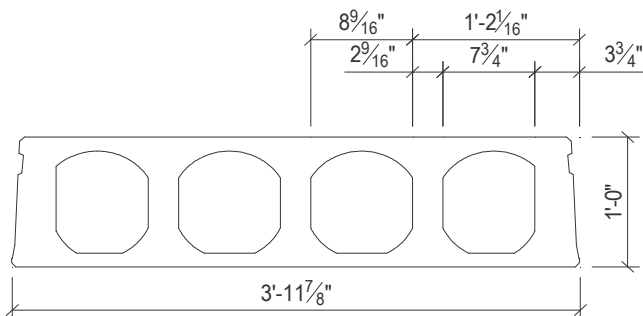
SAFE LOAD TABLE

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																														
				20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1.75-28910	2-1/2,9-.6	2.259	392.42	493	466	442	421	401	382	365	349	335	321	309	297	286	275	265	256	247	239	231	224	217	210	201	188	176	165	154	144	135	127	118
1.75-28610	2-1/2,6-.6	1.608	292.82	493	466	442	421	401	382	365	349	335	321	309	297	286	271	251	232	215	200	185	172	159	148	137	127	118	109	101	94	87	80	74
1.75-88	8-1/2	1.224	228.62	493	466	442	421	401	382	363	333	305	281	258	238	220	203	187	172	158	146	134	123	113	104	95	87	80	73					
1.75-58	5-1/2	0.765	147.29	401	358	321	289	260	234	210	189	170	153	138	124	112	101	90	81															

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 = 79 psf

- 1- Dead Load, 79 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 yellow values governed by flexural tension at service loads.
- 6- All strand stresses to 65% of ultimate.