



Mid-States Concrete Industries **flexicore**

8"X24" HOLLOWCORE

(2 HOUR FIRE RATING)



1-800-236-1072

www.msprecast.com

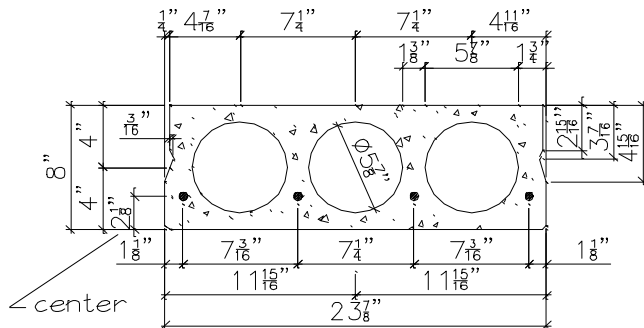
SAFE LOAD TABLE

Standard Designation	#/Size of 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					
*2.0-48S	4-1/2S, 270K	0.668	63.04	495	446	405	370	340	314	292	272	254	238	224	211	199	189	179	170	<u>158</u>	<u>142</u>	<u>128</u>	<u>116</u>	104	94	85	76	69	<u>62</u>	<u>55</u>	<u>49</u>	44	<u>39</u>	34					
2.0-48	4-1/2	0.576	51.27											200	189	178	168	159	146	131	118	107	96	87	78	71	64	57	51	46	41	36	32	28					
2.0-47	4-7/16	0.432	41.04							262	244	228	213	194	172	152	135	121	107	96	85	76	68	60	53	47	42	36	32	27	23								
2.0-46	4-3/8	0.32	31.59			365	334	307	283	243	210	182	159	139	122	107	93	82	72	63	55	48	41	36	30	26	21												
2.0-45	4-5/16	0.232	23.60	448	403	339	282	236	200	170	145	124	107	92	79	68	58	49	42	35	29	24																	

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 at 1-800-236-1072



HOLLOWCORE - $f'_c = 5000 \text{ psi}$, $w_t = 57 \text{ psf}$
GROUT - $f'_c = 5000 \text{ psi}$

- 1- Dead Load, 57 psf grouted weight of structural unit.
- 2- Tabulated loads are based on ACI318-02 where $M_u = 1.4 M_d + 1.7 M_L$ 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- Loads to the left of the solid stepped line are governed by shear
- * 5- 6000 psi concrete when using 4-1/2s, 270k
- 6- Loads underlined are controlled by permissible flexural tension at service loads.