



Safe Load Table

See instructions on back side of sheet for using this table.

10" x 24" SECTION

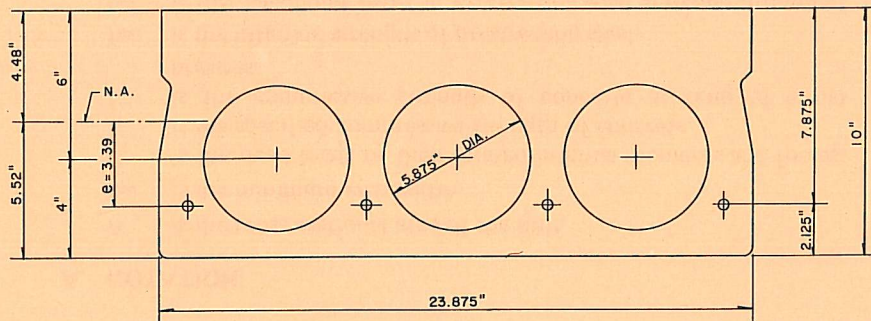
UNIFORMLY DISTRIBUTED SUPERIMPOSED* LOAD IN LBS. PER SQ. FT.

Standard Designation	Combination of 7-Wire Strand	Strand Area Sq. In.	Muc in Ft.-Kips per Unit	SIMPLE SPAN IN FEET—CENTER TO CENTER OF END BEARINGS (<i>l</i>)																		
				20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
1024G-C58	4-1/2	0.576	74.64	301	284	268	253	230	210	190	170	152	136	122	109	97	87	77	68	60	52	45
1024G-C50	2-1/2 & 2-7/16	0.504	66.42	294	277	254	228	204	183	164	146	130	116	103	91	80	71	62	54	46	40	
1024G-C43	4-7/16	0.432	57.85	273	241	214	190	169	150	134	119	106	94	83	73	63	55	47	40			
1024G-C38	2-7/16 & 2-3/8	0.376	50.98	232	204	180	159	141	124	110	97	85	75	66	57	50	42					
1024G-C32	4-3/8	0.320	43.93	191	167	146	128	112	98	85	74	64	55	47	40							
1024G-C29	2-1/2	0.288	39.82	167	145	126	110	95	82	71	61	52	44									
1024G-C28	2-3/8 & 2-5/16	0.276	38.24	157	137	118	103	89	76	66	56	47										

← $l/h = 40$

* TABULATED LOADS ARE BASED ON $U = 1.4D + 1.7L$ AND WITH ALL LOAD SUPERIMPOSED ON THE STRUCTURAL SECTION CONSIDERED AS LIVE LOAD.**

PHYSICAL PROPERTIES OF STRUCTURAL SECTION AND SPECIFICATIONS



$A = 157.4 \text{ in.}^2$ $f_{si} = 175 \text{ ksi}$ $I_g = 1690.8 \text{ in.}^4$
 $f'_{ci} = 3500 \text{ psi}$ $f_{pu} = 250 \text{ ksi}$
 $f'_c = 5000 \text{ psi}$ $b_w = 6.25 \text{ in.}$

Grouted weight of structural unit is 82 lbs. per sq. ft. or 164 lbs. per lin. ft.
 Design is based on ACI 318-71 building code requirements for reinforced concrete.

Recommended maximum l/h ratio is 40 for floor and 50 for roof as per PCI Design Handbook (1971).

Note — For longer spans, heavier loads or special conditions consult your local manufacturer.