Form No. U10 December 31, 1971

hi-stress flexicore®

Safe Load Table

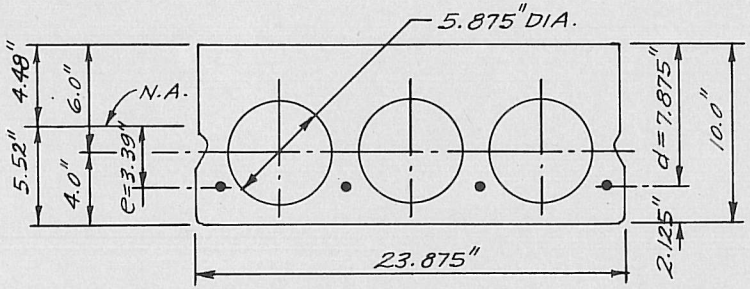
10" x 24" SECTION

RAISED

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

Standard Designation	Combination of 7-Wire Strand	Strand Area Sq. In.	M_u in Ft.-Kips per Unit	SIMPLE SPAN IN FEET—CENTER TO CENTER OF END BEARINGS																														
				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	41
1024U-A58	4-1/2	0.575	72.06									304	286	270	253	226	203	183	165	148	134	120	108	98	88	79	70	62	54	47	40	34	29
1024U-A51	2-1/2 & 2-7/16	0.505	64.37							336	314	295	275	245	218	195	174	156	140	125	112	100	90	80	71	63	55	48	41	34	29	23	
1024U-A44	4-7/16	0.436	56.33							334	299	263	233	206	183	162	144	128	114	101	90	79	70	61	54	47	40	34	28	22			
1024U-A38	2-7/16 & 2-3/8	0.378	49.82					375	338	294	257	225	198	174	154	136	120	105	93	82	71	62	54	46	40	33	28	22					
1024U-A32	4-3/8	0.320	43.09					328	283	245	213	185	162	141	124	108	94	82	71	61	53	45	37	31	25	20							
1024U-A29	2-1/2	0.288	39.14			402	341	292	251	216	187	162	141	122	106	92	79	68	58	49	41	34	28	22	17								
~~1024U-A26~~	~~2-3/8 & 2-5/16~~	~~0.275~~	~~37.64~~			~~384~~	~~326~~	~~278~~	~~238~~	~~205~~	~~177~~	~~153~~	~~133~~	~~115~~	~~99~~	~~86~~	~~74~~	~~63~~	~~53~~	~~45~~	~~37~~	~~30~~	~~24~~	~~18~~	~~13~~								
~~1024U-A23~~	~~4-5/16~~	~~0.231~~	~~32.04~~			~~317~~	~~267~~	~~226~~	~~193~~	~~165~~	~~141~~	~~120~~	~~103~~	~~88~~	~~74~~	~~63~~	~~53~~	~~44~~	~~35~~	~~28~~	~~22~~	~~16~~	~~10~~										
1024U-A22	2-7/16	0.218	29.97	422	349	292	245	207	176	150	127	108	92	78	65	54	45	36	29	22	16	10											

PHYSICAL PROPERTIES OF STRUCTURAL SECTION AND SPECIFICATIONS



DEAD LOAD, W_D = 82 P.S.F. GROUTED WEIGHT OF STRUCTURAL UNIT.

LOADS ABOVE HEAVY STEPPED LINE GOVERNED BY SHEAR.

TABULATED LOADS ARE BASED ON AC1318-71 WHERE $M_u = 1.4\ M_D + 1.7 M_L$ AND WITH ALL LOADS SUPERIMPOSED ON THE STRUCTURAL SECTION CONSIDERED AS LIVE LOAD.

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