

hi-stress flexicore®

Safe Load Table

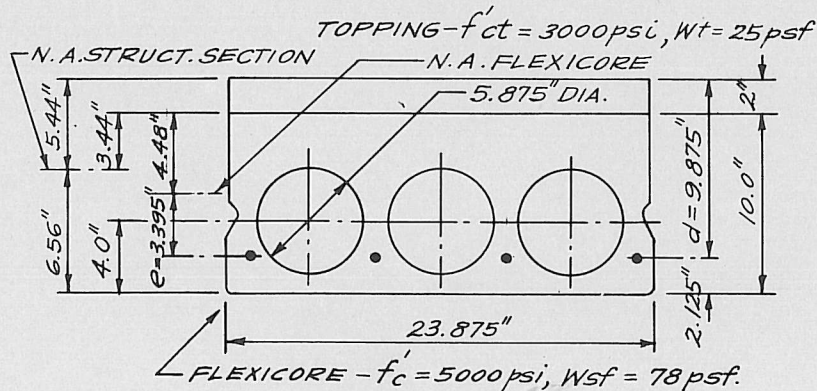
10" x 24" SECTION PLUS
2" STRUCTURAL TOPPING

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

RAISED

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																													
				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	42	43
T1024U-A58	4-1/2	0.575	89.93							410	387	349	311	279	249	219	193	170	149	130	113	97	83	70	59	48	38	29	20				
T1024U-A51	2-1/2 & 2-7/16	0.505	80.38					449	422	384	340	302	269	240	211	185	161	140	120	104	89	75	62	50	40	30	21						
T1024U-A44	4-7/16	0.436	70.38					423	370	325	287	254	224	199	174	150	129	111	94	78	65	52	41	30	21								
T1024U-A38	2-7/16 & 2-3/8	0.378	62.28			484	418	364	317	278	244	214	188	166	145	124	105	87	72	58	46	34	24										
T1024U-A32	4-3/8	0.320	53.89			407	350	303	263	228	199	173	151	132	114	97	80	64	51	38	27												
T1024U-A29	2-1/2	0.288	48.96	499	423	361	310	267	231	199	173	149	129	111	96	82	66	51	38	27													
T1024U-A28	2-3/8 & 2-5/16	0.275	47.09	477	404	344	295	259	218	188	163	140	121	104	89	75	60	46	34	22													
T1024U-A23	4-5/16	0.231	40.10	393	331	280	238	203	173	147	125	106	90	75	62	51	41	28															
T1024U-A22	2-7/16	0.218	37.52	362	304	256	217	184	156	132	112	94	78	65	53	42	32	21															

PHYSICAL PROPERTIES OF STRUCTURAL SECTION AND SPECIFICATIONS



DEAD LOAD, $W_D = 107 \text{ P.S.F.}$ GROUTED WEIGHT OF STRUCTURAL UNIT.
LOADS ABOVE HEAVY STEPPED LINE GOVERNED BY SHEAR.

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

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