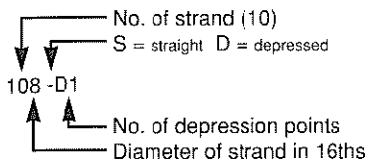


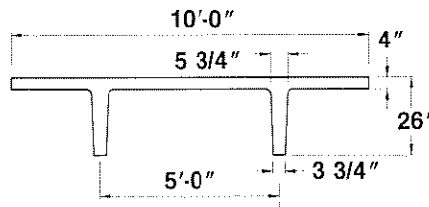
Strand Pattern Designation



Because these units are pretopped and are typically used in parking structures, safe loads shown do not include any superimposed dead loads. Loads shown are live load. Long-time cambers do not include live load.

PRETOPPED DOUBLE TEE

10'-0" x 26"



Section Properties

	Normal Weight	Lightweight
A	= 689 in. ²	689 in. ²
I	= 30,716 in. ⁴	30,716 in. ⁴
y _b	= 20.29 in.	20.29 in.
y _t	= 5.71 in.	5.71 in.
Z _b	= 1,514 in. ³	1,514 in. ³
Z _t	= 5,379 in. ³	5,379 in. ³
wt	= 718 plf	550 plf
	72 psf	55 psf
V/S	= 2.05 in.	2.05 in.

Key

- 196 — Safe superimposed service load, psf
- 0.4 — Estimated camber at erection, in.
- 0.5 — Estimated long-time camber, in.
- $f'_c = 5,000$ psi
- $f_{pu} = 270,000$ psi

10DT26

Table of safe superimposed service load (psf) and cambers

No Topping

Strand Pattern	e _e e _c	Span, ft.																					
		26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68
68-S	14.29	196	161	133	109	90	74	60	49	39	30												
	14.29	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.4	0.4	0.4											
88-S	12.29			169	142	119	100	83	69	57	47	38	30										
	12.29			0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.4										
88-D1	12.29				200	170	146	125	107	91	78	66	56	47	39	32							
	17.54				0.7	0.8	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.8							
108-D1	10.29					189	163	142	123	107	93	80	69	60	51	43	36						
	17.29					1.1	1.1	1.2	1.3	1.3	1.4	1.4	1.4	1.3	1.3	1.2	1.1						
128-D1	8.62									134	118	103	90	79	69	60	52	45	38	32			
	17.04									1.6	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.4	1.3			
148-D1	7.43														98	87	76	67	59	51	45	38	33
	16.79														2.0	2.1	2.1	2.1	2.1	2.0	1.9	1.7	1.5

10LDT26

Table of safe superimposed service load (psf) and cambers

No Topping

Strand Pattern	e _e e _c	Span, ft.																						
		28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
68-S	14.29	175	146	123	104	88	74	63	53	44	36	30												
	14.29	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.8												
88-S	12.29			183	156	133	113	97	83	71	61	52	44	37	31									
	12.29			0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.2	1.1	1.0									
88-D1	12.29				184	159	138	120	105	92	80	70	61	53	46	39	34							
	17.54				1.3	1.4	1.5	1.7	1.7	1.8	1.9	1.9	1.9	1.9	1.9	1.8	1.7							
108-D1	10.29					177	155	137	121	106	94	83	73	65	57	50	44	38	33					
	17.29					2.5	2.7	2.9	3.0	3.2	3.3	3.4	3.4	3.4	3.4	3.3	3.2	3.1	3.0					
128-D1	8.62									104	93	83	74	66	59	52	46	41	36	31				
	17.04									3.0	3.1	3.2	3.3	3.3	3.4	3.3	3.2	3.1	3.0	2.8				
148-D1	7.43																73	65	58	52	47	41	37	
	16.79																4.0	4.0	4.0	4.0	4.0	3.8	3.6	

Strength based on strain compatibility; bottom tension limited to $12\sqrt{f'_c}$; see pages 2-3-2-6 for explanation. Shaded values require release strengths higher than 3500 psi.