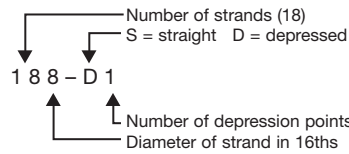


### 3.4 Double-Tee Load Tables (cont.)

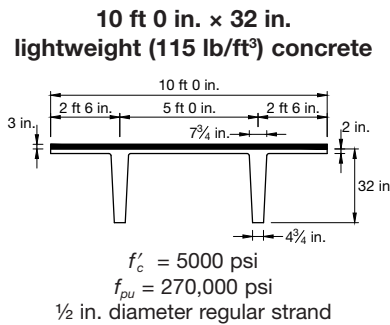
#### Strand Pattern Designation



Load capacities shown include dead load of 10 lb/ft<sup>2</sup> for untopped members and 15 lb/ft<sup>2</sup> for topped members. Remainder is live load. Long-time cambers include superimposed dead load but do not include live load.

- Key  
 180 – Superimposed service load capacity, lb/ft<sup>2</sup>  
 1.7 – Estimated camber at erection, in.  
 2.2 – Estimated long-time camber, in.

Check with regional producers for availability.



Section Properties	
No topping	3 in. topping (f'c = 3000 psi)
A =	615 in. <sup>2</sup>
I =	59,720 in. <sup>4</sup>
y <sub>b</sub> =	21.98 in.
y <sub>t</sub> =	10.02 in.
S <sub>b</sub> =	2718 in. <sup>3</sup>
S <sub>t</sub> =	5958 in. <sup>3</sup>
wt =	491 lb/ft
DL =	49 lb/ft <sup>2</sup>
V/S =	1.72 in.
	92,960 in. <sup>4</sup>
	26.62 in.
	8.38 in.
	3492 in. <sup>3</sup>
	11,095 in. <sup>3</sup>
	866 lb/ft
	87 lb/ft <sup>2</sup>

**10LDT32**  
No topping

Table of superimposed service load capacity, lb/ft<sup>2</sup>, and cambers, in.

Strand pattern	y <sub>s</sub> (end) y <sub>s</sub> (center), in.	Span, ft																																													
		46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102																	
128-S	7.00	180	163	147	134	122	111	101	92	84	77	70	64	58	53	49	44	40	37	33	30	27																									
	7.00	1.7	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.3	2.2	2.1	2.0	1.9	1.9	1.7	1.6	1.4	1.2																								
148-S	8.00	186	168	153	139	127	116	106	97	89	82	75	69	63	58	53	49	45	41	37	33	29	27																								
	8.00	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.6	2.5	2.4	2.3	2.2	2.0	1.8	1.5	1.3																								
168-S	9.00	186	170	154	140	128	116	106	98	90	82	76	70	65	59	54	50	46	43	40	34	30	28																								
	9.00	2.3	2.4	2.5	2.6	2.7	2.8	2.9	2.9	3.0	3.0	3.0	2.9	2.9	2.8	2.7	2.7	2.5	2.4	2.3	2.1	1.8	1.5																								
188-S	10.00	183	166	152	140	128	116	108	100	92	84	76	68	64	60	56	51	47	43	39	35	30	28																								
	10.00	2.5	2.6	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.3	3.2	3.1	2.9	2.7	2.6	2.3	2.1	1.8	1.5																								
188-D1	14.39																152	139	128	118	108	100	94	86	82	74	70	66	62	56	52	49	46	42	38	35	32										
	4.00																3.9	4.0	4.2	4.3	4.4	4.5	4.6	4.6	4.6	4.6	4.5	4.4	4.3	4.2	4.1	3.9	3.7	3.4	3.1	2.7	2.3										
208-D1	15.50																															116	108	100	92	86	80	76	70	64	60	56	52	48	44	40	36
	4.25																															4.9	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.0	4.8	4.7	4.4	4.2	3.9	3.7	3.3

**10LDT32 + 3**  
3 in. normalweight topping

Table of superimposed service load capacity, lb/ft<sup>2</sup>, and cambers, in.

Strand pattern	y <sub>s</sub> (end) y <sub>s</sub> (center), in.	Span, ft																																																																				
		44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90																																													
128-S	7.00	198	175	157	138	123	110	98	88	78	68	62	54	46	38	33	27																																																					
	7.00	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.4	2.3	2.2	2.2																																																					
148-S	8.00																			183	165	148	134	118	105	95	85	76	68	60	53	44	36	29																																				
	8.00																			2.1	2.2	2.3	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.7	2.7	2.6																																				
168-S	9.00																			184	166	150	134	116	108	98	88	78	68	60	52	45	37	29																																				
	9.00																			2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.0	3.1	3.1	3.1	3.0	3.0	2.9																																				
188-S	10.00																			182	162	146	132	118	106	96	84	74	66	58	51	42	35	27																																				
	10.00																			2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.3	3.3	3.2	3.2	3.1	3.1																																				
188-D1	14.39																																					148	135	122	110	102	92	82	74	66	58	52	44	36	30																			
	4.00																																					4.0	4.2	4.2	4.3	4.4	4.4	4.5	4.5	4.6	4.6	4.5	4.5	4.4	4.3																			
208-D1	15.50																																																							105	93	86	77	70	62	54	47	40	32					
	4.25																																																							4.9	5.0	5.1	5.1	5.1	5.1	5.1	5.1	5.0	4.8	4.7	4.4	4.2	3.9	3.7

Strength is based on strain compatibility; bottom tension is limited to 12√f'c; see pages 3–8 through 3–11 for explanation. Shaded values require release strengths higher than 3500 psi.