

**Maximum Uniformly Distributed Service Load (psf)**

Strand pattern	Clear Span (ft)																
	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
089-S	135	120	105	90	80	70	60	50	45	40							
109-S	165	145	130	115	100	90	80	70	60	55	45	40	35	30			
129-S	195	170	150	135	120	105	95	85	75	65	60	50	45	40	35	30	
*149-S		190	170	150	135	120	105	95	85	75	70	60	55	50	45	40	35
*169-S			185	165	145	130	120	105	95	85	75	70	60	55	50	45	40

**Estimated 28-Day Camber (in.)**

Strand pattern	Clear Span (ft)																
	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72
089-S	0.76	0.79	0.81	0.83	0.84	0.83	0.81	0.78	0.73	0.66							
109-S	0.91	0.95	1.00	1.03	1.05	1.06	1.06	1.05	1.02	0.98	0.91	0.82	0.72	0.58			
129-S	1.02	1.07	1.13	1.17	1.21	1.23	1.25	1.25	1.24	1.20	1.16	1.09	1.00	0.88	0.74	0.57	
*149-S		1.15	1.21	1.26	1.31	1.34	1.37	1.38	1.37	1.35	1.31	1.25	1.17	1.07	0.94	0.79	0.60
*169-S			1.25	1.30	1.35	1.39	1.42	1.43	1.43	1.41	1.38	1.33	1.25	1.15	1.03	0.88	0.70

$A_g = 626 \text{ in}^2$        $I_x = 45511 \text{ in}^4$   
 $y_b = 19.97 \text{ in}$        $w_{sw} = 652 \text{ plf}$   
 $f'_{ci} = 4000 \text{ psi}$        $f'_c = 6000 \text{ psi}$   
 Strand: 9/16"Ø Pulled to 70%

\* = Release strength of greater than 4000 psi required for this strand pattern.

Notes:

1. Tabulated uniform distributed loads in this table are based on ACI 318-05/318R-05.
2. All calculated loads are considered as superimposed live load based on 1.2DL + 1.6LL.
3. Double Tee is 1½ hour fire rated per IBC 2006. For higher ratings please contact KP.
4. For longer spans or conditions not covered by this table please contact KP.

