

Maximum Uniformly Distributed Service Load (psf)

Strand pattern	Clear Span (ft)																				
	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118
168-S	89	80	71	63	56	49	42	36													
208-S	119	108	98	89	81	73	65	58	52	45	40										
*248-S	147	135	124	114	104	95	86	78	71	64	58	51	46	40	35						
*288-S	174	160	148	136	126	116	106	97	89	81	74	68	61	55	49	44					
*328-S	198	184	170	157	146	135	125	115	106	98	90	82	75	69	62	57	51	46	41		
*368-S												96	88	81	75	66	60	55	51	46	41
*408-S														93	78	70	65	60	54	50	45

Estimated 28-Day Camber (in.)

Strand pattern	Clear Span (ft)																				
	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118
168-S	0.70	0.60	0.60	0.50	0.30	0.20	0.10	0.10													
208-S	1.30	1.10	1.10	1.00	1.00	0.90	0.80	0.60	0.50	0.40	0.20										
*248-S	1.60	1.60	1.60	1.60	1.50	1.50	1.40	1.30	1.20	1.10	0.90	0.80	0.60	0.40	0.20						
*288-S	2.10	2.10	2.10	2.00	2.00	2.00	1.90	1.90	1.80	1.70	1.60	1.40	1.30	1.10	0.90	0.70					
*328-S	2.40	2.50	2.50	2.50	2.50	2.50	2.40	2.40	2.30	2.20	2.20	2.10	1.90	1.80	1.60	1.40	1.20	0.96	0.71		
*368-S												2.55	2.44	2.32	2.18	2.02	1.84	1.64	1.41	1.16	0.88
*408-S														2.83	2.71	2.57	2.41	2.22	2.02	1.78	1.53

$A_g = 934 \text{ in}^2$   
 $I_x = 196365 \text{ in}^4$   
 $y_b = 29.1 \text{ in}$   
 $W_{sw} = 973 \text{ plf}$   
 $f'_{ci} = 4000 \text{ psi}$   
 $f'_c = 7000 \text{ psi}$

\* STRAND PATTERN REQUIRES SOME STRAND TO BE DEBONDED.

Strand: 1/2" SPECIAL PULLED TO 70%

NOTES:

- TABULATED UNIFORM DISTRIBUTED LOADS IN THIS TABLE ARE BASED ON ACI 318-14/318R-14.
- ALL CALCULATED LOADS ARE CONSIDERED AS SUPERIMPOSED TOTAL LOAD BASED ON EQUAL MAGNITUDE OF DEAD AND LIVE LOAD.
- DOUBLE TEE IS 1 1/2 HOUR FIRE RATED PER IBC 2006. FOR HIGHER FIRE RATING OR ALTERNATE CODES, PLEASE CONTACT KP.
- CONCENTRATED LOADS ON FLANGES REQUIRE SPECIAL CONSIDERATION AND MAY INCUR A COST SURCHARGE.
- FOR SPANS OR CONDITIONS NOT COVERED BY THIS TABLE PLEASE CONTACT KP.
- SHADED LOADS REQUIRE NON-STANDARD REINFORCING AND MAY INCUR A COST SURCHARGE (135psf MAXIMUM SUPERIMPOSED LOAD FOR STD. FLANGE REINFORCING).
- LOADS TO THE LEFT OF THE HEAVY LINE EXCEED LIVE LOAD DEFLECTION OF L/240.

