

Maximum Uniformly Distributed Service Load (psf)

Strand pattern	Clear Span (ft)																
	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76
8.6	153	135	119	105	93	82	72	63	55	48	42	36					
10.6		157	146	130	116	103	92	82	72	64	57	50	43	38			
12.6				132	124	118	109	98	87	78	70	62	55	49	43	37	
14.6								99	94	89	81	73	65	58	52	46	41
16.6												74	70	66	60	53	48

Estimated 28-Day Camber (in.)

Strand pattern	Clear Span (ft)																
	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76
8.6	0.90	0.90	1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.00	1.00	0.90					
10.6		1.20	1.20	1.30	1.30	1.40	1.40	1.40	1.50	1.50	1.50	1.40	1.40	1.40			
12.6				1.50	1.60	1.70	1.70	1.80	1.80	1.80	1.80	1.90	1.80	1.80	1.80	1.70	
14.6								2.00	2.10	2.10	2.20	2.20	2.20	2.20	2.20	2.10	2.10
16.6												2.40	2.50	2.50	2.50	2.50	2.40

$A_g = 667 \text{ in}^2$
 $I_x = 63484 \text{ in}^4$
 $y_b = 22.66 \text{ in}$
 $w_{sw} = 694 \text{ plf}$
 $f'_{ci} = 4000 \text{ psi}$
 $f'_c = 6000 \text{ psi}$
 Strand: 0.6" 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 1½ 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 (78psf MAXIMUM SUPERIMPOSED LOAD FOR STD. FLANGE REINFORCING).

