

Maximum Uniformly Distributed Service Load (psf)

Strand pattern	Clear Span (ft)																
	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
069-S	200	170	145	120	105	90	75	65	55	45							
089-S	265	225	190	165	144	125	105	95	80	70	60	55	45	40			
109-S	310	265	230	195	170	150	130	115	100	90	75	70	60	50	45	40	35
* 129-S		300	255	225	195	170	150	130	115	100	90	80	70	60	55	50	40
* 149-S			280	240	210	185	165	145	125	110	100	90	80	70	60	55	50

Estimated 28-Day Camber (in.)

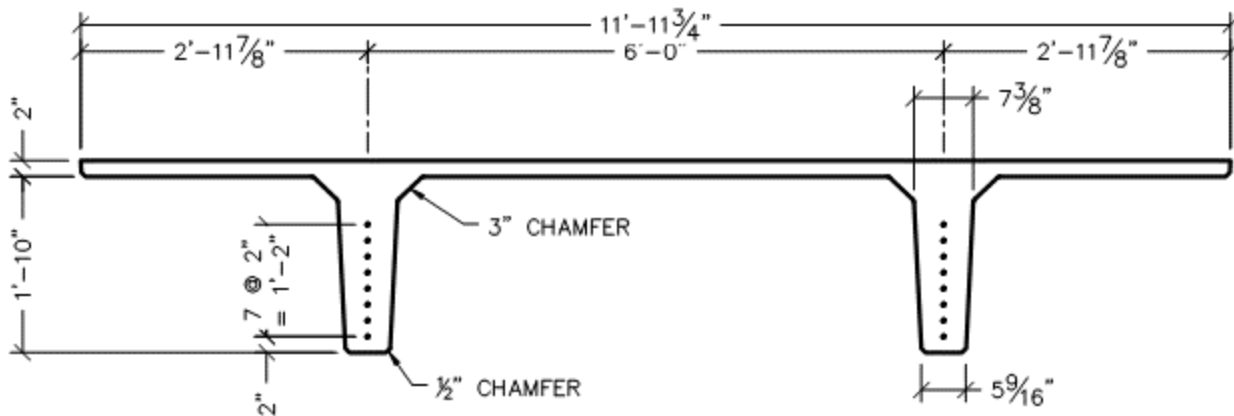
Strand pattern	Clear Span (ft)																
	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56	58	60
069-S	0.38	0.42	0.45	0.47	0.49	0.50	0.50	0.49	0.46	0.42							
089-S	0.48	0.52	0.57	0.61	0.64	0.67	0.69	0.69	0.69	0.67	0.63	0.58	0.51	0.41			
109-S	0.53	0.59	0.64	0.69	0.74	0.78	0.81	0.83	0.83	0.83	0.81	0.77	0.71	0.63	0.53	0.40	0.24
* 129-S		0.62	0.68	0.74	0.79	0.83	0.87	0.89	0.91	0.91	0.89	0.86	0.81	0.74	0.65	0.53	0.38
* 149-S			0.68	0.74	0.79	0.83	0.86	0.89	0.90	0.91	0.89	0.86	0.81	0.74	0.64	0.52	0.37

$A_g = 583 \text{ in}^2$ $I_x = 30465 \text{ in}^4$
 $y_b = 17.3 \text{ in}$ $w_{sw} = 607 \text{ plf}$
 $f'_{ci} = 4000 \text{ psi}$ $f'_c = 6000 \text{ psi}$
 Strand: 9/16" \varnothing 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.



12DT24

12' WIDE DOUBLE TEE – 24" UNTOPPED

DATE:

1/23/16

FILE NAME:

3634



3373 Buech Drive, Grandville, Michigan 49418
 616.224.8176 > t:616.224.2851 > www.kerkstra.com >

