



Section Properties								
Designation	b (in.)	h (in.)	b _t /b _w (in.)	I (in. ⁴)	y _b (in.)	Z _b (in. ³)	Z _t (in. ³)	wt (plf)
5DT18+2	5' - 0"	18	5.92/3.25	10,507	14.17	742	1802	403
6DT12+2½	6' - 0"	12	5.25/3.50	4244	10.54	403	1071	396
6DT16+2½	6' - 0"	16	5.88/3.50	9032	13.36	676	1757	442
6DT20+2½	6' - 0"	20	6.50/3.50	16,472	16.01	1029	2538	493

Table of Safe Superimposed Loads, Cambers and Deflections

2" Normal Weight Topping

Designation	No. Strand	e _e e _c	Span, ft.															
			46	47	48	49	50	51	52	53	54	55	56	57	58			
5DT18+2	8	3.48 9.73	95*	89*	82	75	68	61	55	49	44	39	34	29	25			
			1.61	1.62	1.62	1.61	1.59	1.56	1.53	1.48	1.42	1.33	1.22	1.09	0.95			
			1.46	1.51	1.56	1.59	1.61	1.63	1.65	1.67	1.69	1.70	1.70	1.70	1.70			

Designation	No. Strand	e _e e _c	Span, ft.																	
			22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54	56
6DT12+2½	4	3.80 6.55	171*	134*	106*	83*	65*	46	29											
			0.68	0.78	0.86	0.90	0.92	0.90	0.84											
			0.39	0.46	0.54	0.63	0.72	0.77	0.82											
6DT16+2½	6	4.46 8.63	175*	146*	122*	103*	86*	72*	56	42	30									
			1.00	1.09	1.17	1.25	1.31	1.35	1.32	1.26	1.16									
			0.64	0.72	0.81	0.90	0.99	1.09	1.16	1.21	1.26									
6DT20+2½	8	5.02 10.77	147*	127*	110*	95*	81*	67	54	42	32									
			1.31	1.39	1.45	1.49	1.51	1.50	1.43	1.32	1.18									
			0.96	1.04	1.13	1.22	1.32	1.38	1.43	1.47	1.51									

*Capacity governed by ultimate strength
f'_c = 5000 psi f_{pu} = 270,000 psi

Values below heavy line require release strength higher than 3500 psi