



Section Properties

	Untopped	Topped (2")
A	= 170 in ²	
I	= 724 in ⁴	1584 in ⁴
Y _b	= 3.00 in	4.20 in
Y _t	= 3.00 in	3.80 in
S _b	= 241 in ³	377 in ³
S _t	= 241 in ³	417 in ³
B _w	= 13.36 in	13.36 in
wt	= 49 psf	74 psf

Key

- 274 - Safe superimposed live load, psf
- 0.01 - Estimated Camber at Erection, in
- 0.02 - Estimated Long-Time Camber, in
- f_c = 5000 psi
- f_{ci} = 3500 psi
- f_{ct} = 3000 psi
- f_{pu} = 270 ksi

6" HC (UNTOPPED)

SPAN (Ft)

Strand Pattern	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
5-3/8	274 0.1 0.2	235 0.1 0.2	187 0.2 0.2	152 0.2 0.3	121 0.3 0.3	101 0.3 0.3	86 0.2 0.2	69 0.1 0.1	55 0 -0.1	42 -0.1 -0.3	31 -0.3 -0.5									
6-3/8	301 0.2 0.2	254 0.2 0.3	217 0.3 0.3	184 0.3 0.3	157 0.4 0.3	135 0.4 0.3	116 0.5 0.2	100 0.5 0.2	87 0.4 0.1	75 0.3 0.1	65 0.2 0	56 0.1 -0.2	48 0 -0.3	42 -0.1 -0.5	36 -0.2 -0.7					
7-3/8	358 0.2 0.3	301 0.2 0.3	254 0.3 0.3	217 0.4 0.4	186 0.5 0.4	160 0.6 0.4	139 0.7 0.4	121 0.6 0.3	105 0.5 0.3	92 0.4 0.2	80 0.3 0.1	70 0.2 0	61 0.1 -0.1	53 0 -0.3	47 -0.1 -0.5	40 -0.3 -0.7				
9-3/8		384 0.4 0.4	326 0.5 0.5	279 0.5 0.5	240 0.6 0.6	208 0.7 0.6	182 0.8 0.6	159 0.9 0.6	140 1 0.6	123 0.9 0.6	109 0.8 0.5	97 0.7 0.5	86 0.6 0.4	76 0.5 0.2	67 0.4 0.1	60 0.3 -0.1	53 0.2 -0.4			

6" HC (TOPPED)

SPAN (Ft)

Strand Pattern	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
5-3/8	274 0.1 0.2	235 0.1 0.2	187 0.2 0.2	152 0.2 0.3	121 0.3 0.3	101 0.3 0.3	86 0.2 0.2	69 0.1 0.1	55 0 -0.1	42 -0.1 -0.3	31 -0.3 -0.5								
6-3/8	301 0.2 0.2	254 0.2 0.3	217 0.3 0.3	184 0.3 0.3	157 0.4 0.3	135 0.4 0.3	116 0.5 0.2	100 0.5 0.2	87 0.4 0.1	75 0.3 0.1	65 0.2 0	56 0.1 -0.2	48 0 -0.3	42 -0.1 -0.5	36 -0.2 -0.7				
7-3/8	358 0.2 0.3	301 0.2 0.3	254 0.3 0.3	217 0.4 0.4	186 0.5 0.4	160 0.6 0.4	139 0.7 0.4	121 0.6 0.3	105 0.5 0.3	92 0.4 0.2	80 0.3 0.1	70 0.2 0	61 0.1 -0.1	53 0 -0.3	47 -0.1 -0.5	40 -0.3 -0.7			
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