



DO KIM & ASSOCIATES, LLC
CONSULTING STRUCTURAL ENGINEERS

SilvaPost® allowable column axial load tables

Effective: March 2025

4 x 4 SilvaPost® (3.5" x 3.5" actual)

	$F'_c = F \times C_m$	$F'_c = F \times C_d \times C_m$	$F'_c = F \times C_m \times C_p$	$F'_c = F \times C_d \times C_m \times C_p$
Height (ft)	D+L Allowable Tension (lbs)	0.6D + 0.6W Allowable Tension (lbs)	D+L Allowable Compression (lbs)	0.6D + 0.6W Allowable Compression (lbs)
8	5,145	8,232	3,404	5,446
9	5,145	8,232	2,779	4,446
10	5,145	8,232	2,294	3,670
12	5,145	8,232	1,626	2,601

6 x 6 SilvaPost® (5.25" x 5.25" actual)

	$F'_c = F \times C_m$	$F'_c = F \times C_d \times C_m$	$F'_c = F \times C_m \times C_p$	$F'_c = F \times C_d \times C_m \times C_p$
Height (ft)	D+L Allowable Tension (lbs)	0.6D + 0.6W Allowable Tension (lbs)	D+L Allowable Compression (lbs)	0.6D + 0.6W Allowable Compression (lbs)
8	11,576	18,522	13,677	21,883
9	11,576	18,522	12,145	19,433
10	11,576	18,522	10,550	16,879
12	11,576	18,522	7,842	12,547

8 x 8 SilvaPost® (7" x 7" actual)

	$F'_c = F \times C_m$	$F'_c = F \times C_d \times C_m$	$F'_c = F \times C_m \times C_p$	$F'_c = F \times C_d \times C_m \times C_p$
Height (ft)	D+L Allowable Tension (lbs)	0.6D + 0.6W Allowable Tension (lbs)	D+L Allowable Compression (lbs)	0.6D + 0.6W Allowable Compression (lbs)
8	20,580	32,928	27,993	44,788
9	20,580	32,928	26,929	43,086
10	20,580	32,928	25,490	40,784
12	20,580	32,928	21,592	34,547

10 x 10 SilvaPost® (9" x 9" actual)

	$F'_c = F \times C_m$	$F'_c = F \times C_d \times C_m$	$F'_c = F \times C_m \times C_p$	$F'_c = F \times C_d \times C_m \times C_p$
Height (ft)	D+L Allowable Tension (lbs)	0.6D + 0.6W Allowable Tension (lbs)	D+L Allowable Compression (lbs)	0.6D + 0.6W Allowable Compression (lbs)
8	34,020	54,432	48,269	77,231
9	34,020	54,432	47,539	76,063
10	34,020	54,432	46,593	74,548
12	34,020	54,432	43,795	70,071

12 x 12 SilvaPost® (11" x 11" actual)

	$F'_c = F \times C_m$	$F'_c = F \times C_d \times C_m$	$F'_c = F \times C_m \times C_p$	$F'_c = F \times C_d \times C_m \times C_p$
Height (ft)	D+L Allowable Tension (lbs)	0.6D + 0.6W Allowable Tension (lbs)	D+L Allowable Compression (lbs)	0.6D + 0.6W Allowable Compression (lbs)
8	50,820	81,312	73,264	117,223
9	50,820	81,312	72,667	116,267
10	50,820	81,312	71,928	115,085
12	50,820	81,312	69,887	111,819