

# Allied Tubular Columns

Allowable Axial Loads

(Minimum material thickness used per AISI Section A2.4)

(Rounded corners per Harvey spec)

ALLOWABLE COLUMN LOADS (KIPS) - RESIDENTAL DECKS							
Column Size	Nominal Wall Thickness (in.)	Column Height					
		2 ft.	4 ft.	6 ft.	8 ft.	10 ft.	12 ft.
2" x 2"	0.120	20.207	14.834	8.862	4.988	3.192	2.217
	0.083	14.505	10.797	6.601	3.731	2.388	1.658
	0.065	10.513	8.105	5.254	3.034	1.942	1.348
3" x 3"	0.120	33.316	29.233	23.509	17.328	11.724	8.142
	0.095	26.792	23.569	19.036	14.115	9.610	6.673
	0.083	22.590	20.552	16.797	12.490	8.529	5.923
4" x 4"	0.120	46.084	42.890	38.053	32.182	25.945	19.939
	0.095	31.910	30.378	27.954	24.812	20.949	16.161
	0.083	25.361	24.203	22.370	19.993	17.232	14.256

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