

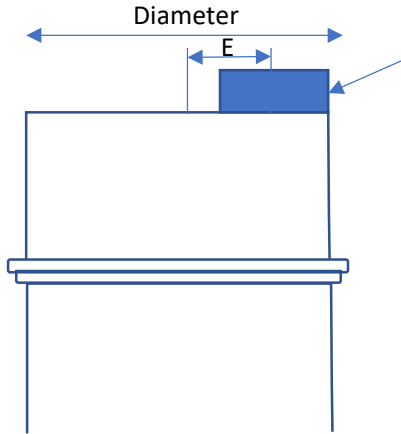
POLY-CLASSIC COLUMNS ALLOWABLE LOADS

Column Type and Nominal Size (in)	Maximum Length (ft-in)	Concentric Loadings		Eccentric Loadings	
		Allowable Load (lbs.)	Ultimate Failure (lbs.)	Maximum "e" (in)	Allowable Load (lbs.)
6 - Round	8-0	6000	28600	0-3/4	6000
8 - Round	10-0	10000	30310	1-5/8	6600
10 - Round	12-0	14000	35450	2-5/8	10720
12 - Round	16-0	18000	58750	3-3/8	13200
14 - Round	16-0	20000	61950	4	11520
16 - Round	20-0	20000	64300	4-1/4	13200
18 - Round	24-0	20000	62850	4-1/4	9040
20 - Round	20-0	20000	65150	4-1/4	18960
24 -Round	20-0	20000	62980	4-1/4	13200
8 - Round Non-Taper	10-0	10000	29150	2-1/8	8240
10 - Round Non-Taper	10-0	14000	38750	3	11520
12 - Round Non-taper	12-0	18000	61350	4-1/8	11520
14 - Round Non-Taper	14-0	20000	60200	5	18120
6x6 Square	10-0	6000	29370	1-1/4	6000
8x8 Square	10-0	10000	29380	2-1/4	10000
10x10 Square	10-0	12800	32260	3-1/4	12800
12x12 Square	16-0	18000	59900	4-1/4	17320

Notes:

1. Round columns include plain and fluted.
2. Maximum "e" (in) is eccentricity measured from the centerline of the top of the column. The eccentric load simulated a nominal 4-inch wide wood beam (3-1/2 inch actual width) bearing at the top end. The base end was installed against a flat steel surface to create concentric loading.

Eccentricity Chart



3-1/2" Steel Plate

Columns up to 14" tested with edge of 3-1/2" plate aligned with edge of column top

Columns over 14" tested with maximum eccentricity of 4.25"

Round Columns

Description	Diameter	(E) Eccentricity
6"	5	0.75
8"	6.75	1.625
10"	8.75	2.625
12"	10.25	3.375
14"	11.56	4.031
16"	13.13	4.250
18"	14.31	4.250
20"	16.31	4.250
24"	19.31	4.250

Round Non-Tapered Columns

Description	Diameter	(E) Eccentricity
8"	7.63	2.063
10"	9.69	3.094
12"	11.63	4.063
14"	13.50	5.000

Square Columns

Description	Diameter	(E) Eccentricity
6"	5.625	1.063
8"	7.625	2.063
10"	9.625	3.063
12"	11.75	4.125