

## Key Features

- Each Stemco Column covers a wide load range
- STL & STM top and base plates are interchangeable to accommodate varying beam widths
- The 8' - 6" column lengths can be used for 8' and 9' basements
- Large threaded ends are very durable and easy to adjust
- 3" extension adjustment is available on all columns
- Easily adjusted with only a bar or wrench
- The square tubing can be easily trimmed to length on site
- Top grade Canadian Structural Steel Construction

Product Code	Capacity Unfactored Loads (lbs)	Capacity Factored Loads (lbs)	Maximum Extension	Top Plate Size	Saddle Size
STL-7.4	16,000	22,900	7' - 5"	4"x8" 5"x7"	varies
STL-8.5	14,000	19,800	8' - 6"	4"x8" 5"x7"	varies
STL-10	11,250	16,000	10' - 0"	4"x8" 5"x7"	varies
STM1-7.4	25,000	36,000	7' - 5"	4"x8" 6"x8"	varies
STM1-8.5	21,600	31,000	8' - 6"	4"x8" 6"x8"	varies
STM1-10	18,000	25,750	10' - 0"	4"x8" 6"x8"	varies
STM1-12	13,700	19,600	12' - 0"	4"x8" 6"x8"	varies
STM1-14	10,500	15,100	14' - 0"	4"x8" 6"x8"	varies
STM2-8.5	31,500	45,000	8' - 6"	4"x8" 6"x8"	varies
STM2-10	25,500	36,500	10' - 0"	4"x8" 6"x8"	varies
STM2-12	19,200	27,500	12' - 0"	4"x8" 6"x8"	varies
STM2-14	14,900	21,300	14' - 0"	4"x8" 6"x8"	varies
STM2-16	11,750	16,800	16' - 0"	4"x8" 6"x8"	varies
STH-8.5	44,750	64,000	8' - 6"	7"x10"	varies
STH-10	37,000	53,000	10' - 0"	7"x10"	varies
STH-12	29,300	42,000	12' - 0"	7"x10"	varies
STH-14	23,100	33,000	14' - 0"	7"x10"	varies
STH-16	18,600	26,600	16' - 0"	7"x10"	varies
STXH-8.5	73,000	104,000	8' - 6"	7"x14"	varies
STXH-10	64,000	91,000	10' - 0"	7"x14"	varies
STXH-12	52,000	74,000	12' - 0"	7"x14"	varies
STXH-14	41,000	58,000	14' - 0"	7"x14"	varies
STXH-16	31,000	44,000	16' - 0"	7"x14"	varies
STXH-18	26,000	37,000	18' - 0"	7"x14"	varies

The above columns have been designed and tested to meet the requirements of the NBC and ABC parts 4 and 9. The design has been carried out in accordance with CAN/CSA S16.1 - latest edition.

## Column Capacities when 8.5' columns cut to 8'

STL-8.5	15,350	22,000	8' - 0"	4"x6" 5"x7"	varies
STM1-8.5	23,750	34,000	8' - 0"	4"x8" 6"x8"	varies
STM2-8.5	33,900	48,500	8' - 0"	4"x8" 6"x8"	varies
STH-8.5	47,500	68,000	8' - 0"	7"x10"	varies
STXH-8.5	79,000	113,000	8' - 0"	varies	varies

Top Plate Capacity Unfactored Loads	Beam Type	Beam Width	Plate Size
15,750 lbs	*Engineered Lumber Beams	3.5"	4"x6"
15,750 lbs		5.25"	4"x6" @ 90°
16,000 lbs		5.25"	5"x7"
16,000 lbs		7"	5"x7" @ 90°
21,000 lbs		3.5"	4"x8"
31,500 lbs		5.25"	6"x8"
36,000 lbs		7"	6"x8"
39,400 lbs		5.25"	7"x10"
52,500 lbs	7"	7"x10"	
10,800 lbs	**Dimensional Lumber Beams	4.5"	4"x6"
14,175 lbs		4.5"	5"x7"
15,750 lbs		6"	5"x7"
16,200 lbs		4.5"	6"x8"
21,600 lbs		6"	6"x8"

NOTE - The above column capacities are based on concentric loading of the column or a single beam covering the entire top bearing plate.

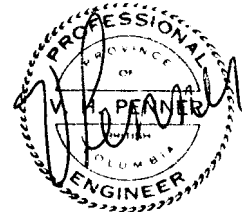
If two beam ends are supported on one column, consult our "Spliced Beam Calculation" in the Printable Brochures section of our website.

Column top bearing capacities may be governed by the type and width of beam used.

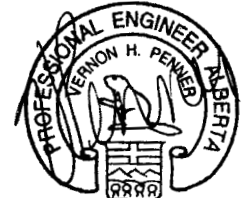
\* Based on 750 psi Lumber Allowable Bearing Capacity

\*\* Based on 450 psi Lumber Allowable Bearing Capacity

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