



STRUCTURAL CANTILEVER C-5000



Speedrack® Structural Cantilever C-5000

DIFFERENCE . . . by design


...for those long, bulky,
hard-to-store
products.



Truly efficient storing of long, bulky items is achieved with this versatile, large capacity cantilever rack. It is designed to handle difficult items such as steel bars, wood planks, tubes, sheets, etc. Cantilever rack, with its absence of columns at the rack face, offers easy entry and access. Also, with the system's easy assembly, it is installed quickly and can easily be rearranged to fit future growth or expansion.

Quality manufactured with American made steel. The rack base and column are bolted construction for ease of shipment and rigid durability.

OUTSTANDING FEATURES

- 1. Versatility** - A wide range of arm lengths and capacities with vertical adjustability on 4" increments along entire upright column height, 12" above the base.
- 2. Rigid** - Base is bolted with high strength bolts and welded stiffeners.
- 3. Double Capacity** - All columns are punched both sides for single or double sided storage.
- 4. Arm Column Connection** - All arms are rigidly bolted to column with four (4) 3/4" grade 8 bolts and harden washers.
- 5. Easy, Fast, Durable Installation** - Fully interchangeable with industry structural cantilever.
- 6. Quality Finish** - Powder coated tough 
- 7. Quality** - Made from hot rolled high strength wide flange and I beam shapes for superior durability.
- 8. Arms** - Arms are available in several slopes to meet all customer needs.
- 9. Accessories** - A full line of fixed and removal end stops for arms and bases.
- 10. Heavy Duty Capacities** - 140,000# on a double-sided column and arm capacities up to 15,000 #.

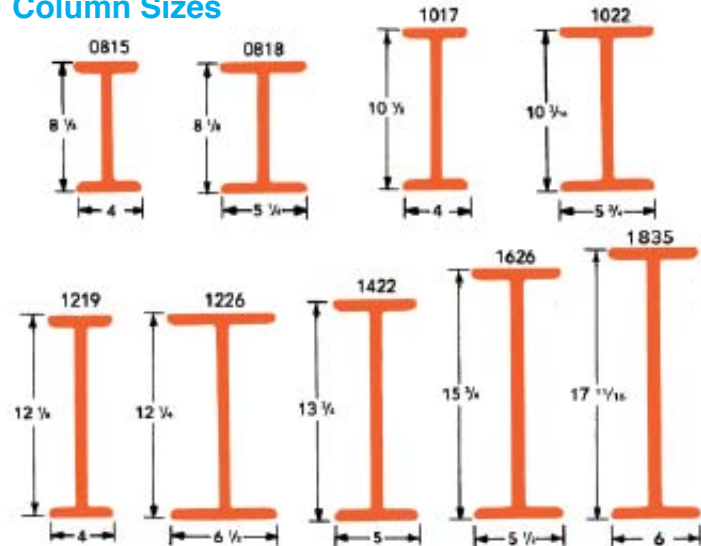
Structural Column Capacity

Maximum Load (Lbs.) - All Arms, One Side

HEIGHT	CSC0815 16'	CSC0818 16'	CSC1017 19'	CSC1022 19'	CSC1219 21'	CSC1226 21'	CSC1422 21'	CSC1626 24'	CSC1631 24'	CSC1835 24'
18	13,922	19,667	17,570	27,711	31,161	43,620	30,215	39,425	48,046	70,392
24	12,110	16,963	15,277	24,260	27,511	37,916	26,847	35,220	42,960	63,820
30	10,716	14,912	13,513	21,573	24,626	33,532	24,154	31,825	38,847	58,370
36	9,610	13,304	12,114	19,422	22,288	30,056	21,953	29,028	35,454	53,778
42	8,711	12,009	10,978	17,661	20,356	27,233	20,119	26,682	32,605	49,856
48	7,966	10,943	10,036	16,193	18,733	24,895	18,568	24,687	30,181	46,467
52	7,536	10,332	9,494	15,342	17,787	23,547	17,660	23,515	28,755	44,452
54	7,338	10,052	9,244	14,950	17,349	22,927	17,239	22,970	28,091	43,509
60	6,802	9,294	8,567	13,884	16,155	21,247	16,087	21,476	26,273	40,905
66	6,339	8,643	7,983	12,960	15,115	19,796	15,080	20,164	24,675	38,596
72	5,934	8,077	7,473	12,152	14,201	18,531	14,191	19,004	23,261	36,533

- All bases are single side units, bolted to the column at site.
- Capacities based on column heights up to 240". Consult Speedrack for systems with taller columns.

Column Sizes



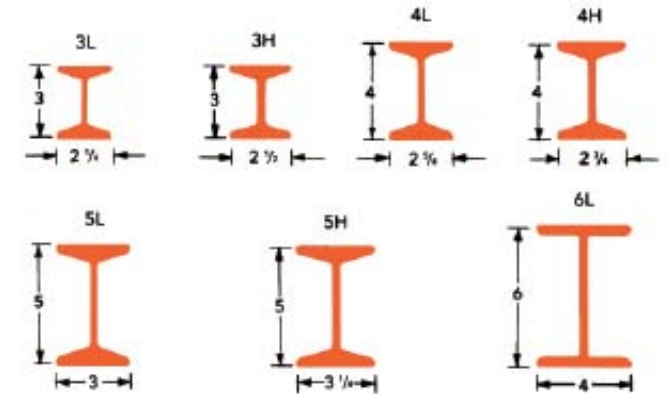
Note: Column capacities are stated in lbs for evenly distributed loads, one side only. Because base load is not supported by column, it is not included in capacity ratings. For double side loading, increase column capacity by a multiple of 2.

Structural Cantilever Arm Capacity (each)

Structural I-Beam Members

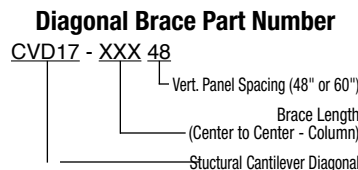
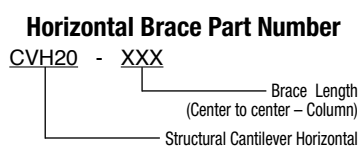
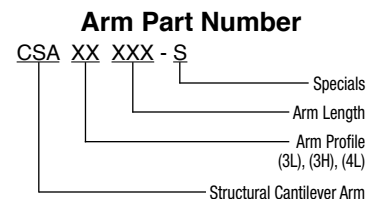
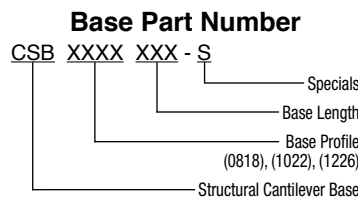
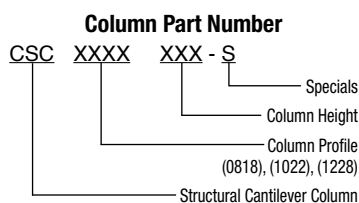
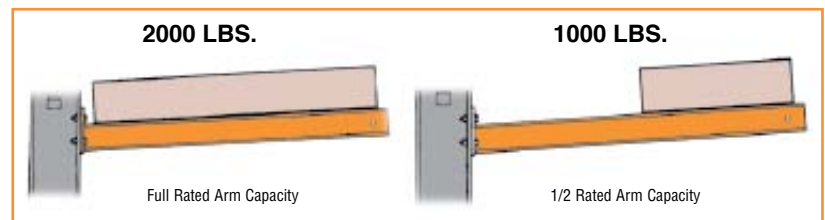
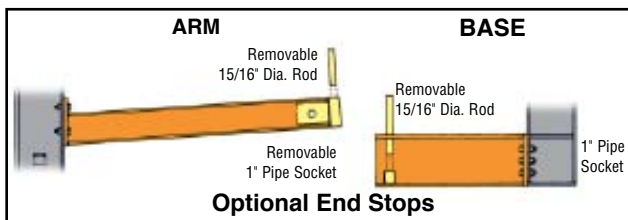
ARM LENGTH	CSA-3L	CSA-3H	CSA-4L	CSA-4H	CSA-5L	CSA-5H	CSA-6W	CSA-8W
18	5,600	6,500	10,133	11,300	15,000	15,000	15,000	15,000
24	4,200	4,875	7,600	8,475	12,300	15,000	15,000	15,000
30	3,360	3,900	6,080	6,780	9,840	12,180	15,000	15,000
36	2,800	3,250	5,067	5,650	8,200	10,150	9,267	13,017
42	2,400	2,786	4,343	4,843	7,029	8,700	7,943	11,157
48	2,100	2,438	3,800	4,238	6,150	7,613	6,950	9,763
52	1,938	2,250	3,508	3,912	5,677	7,027	6,415	9,012
54	1,867	2,167	3,378	3,767	5,467	6,767	6,178	8,678
60	1,680	1,950	3,040	3,390	4,920	6,090	5,560	7,810
66	1,527	1,773	2,764	3,082	4,473	5,536	5,055	7,100
72			2,533	2,825	4,100	5,075	4,633	6,508
78			2,338	2,608	3,785	4,685	4,277	6,008
84					3,514	4,350	3,971	5,579
90					3,280	4,060	3,707	5,207
96					3,075	3,806	3,475	4,881

Arm Sizes

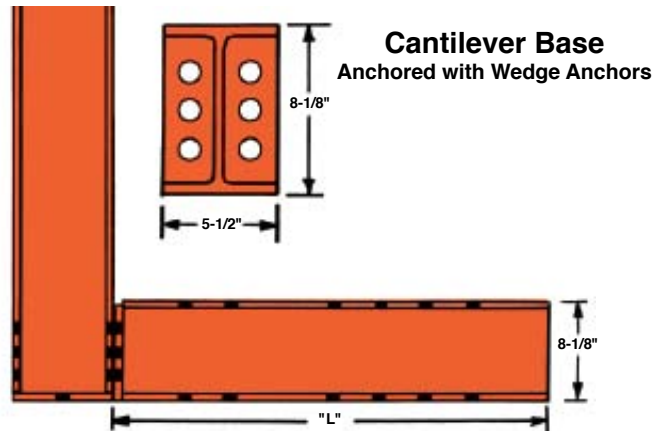
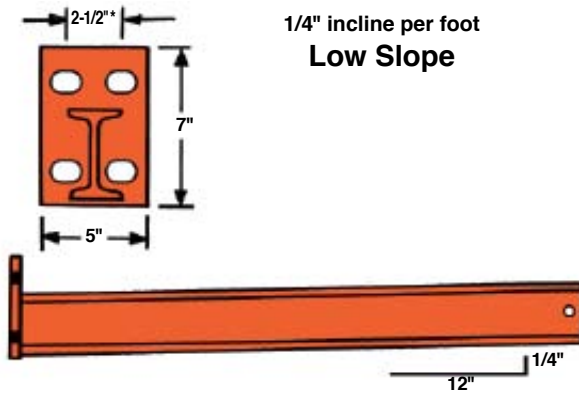
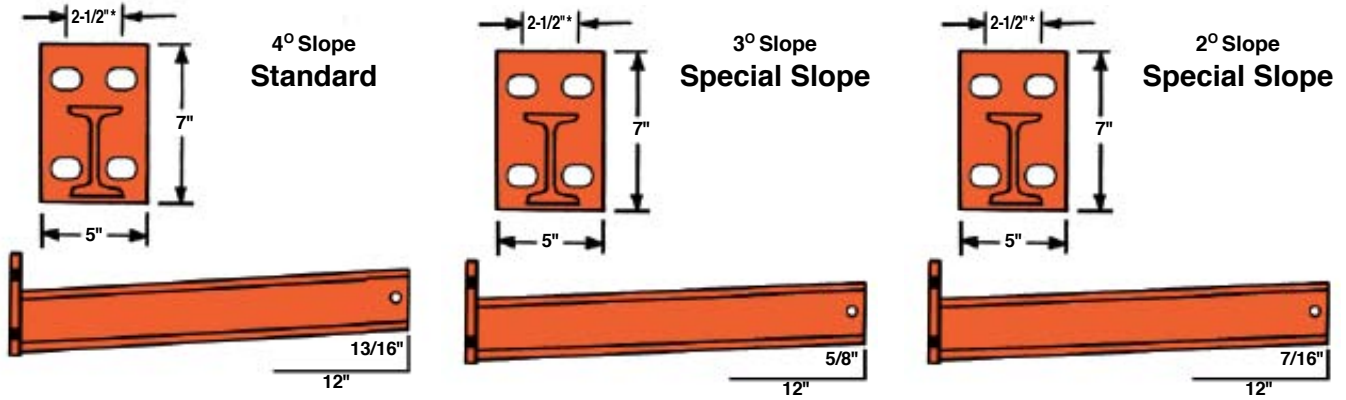


L = Light Duty H = Heavy Duty

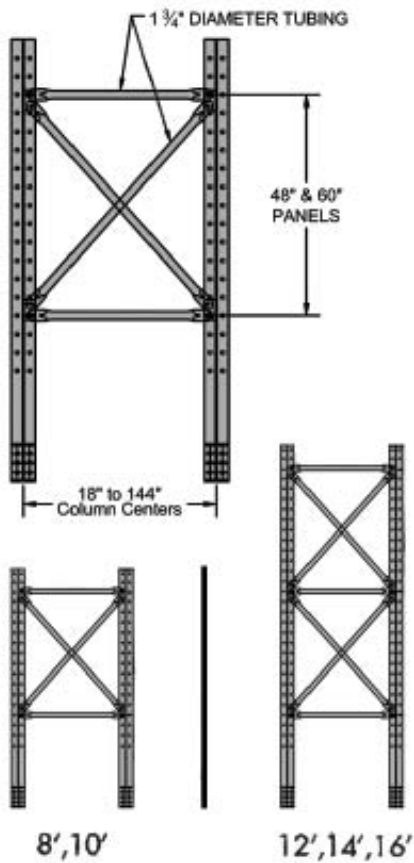
Shaded area in chart requires 3/4" thick arm plate



Standard Arm Design All arms fit both 2-3/4" and 2-1/4" column punching.

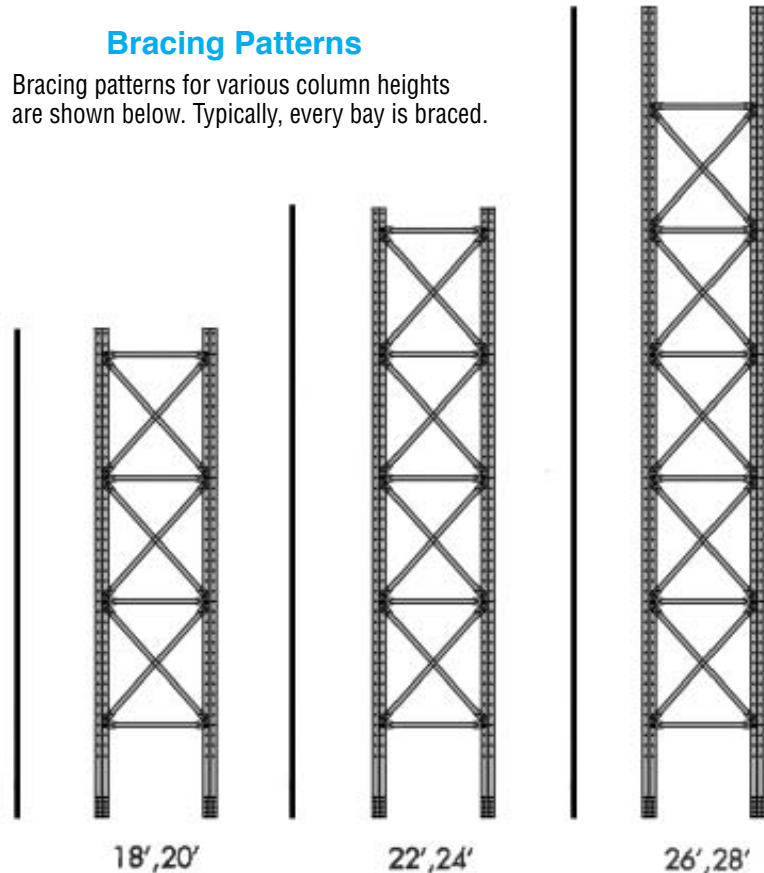


Column Braces

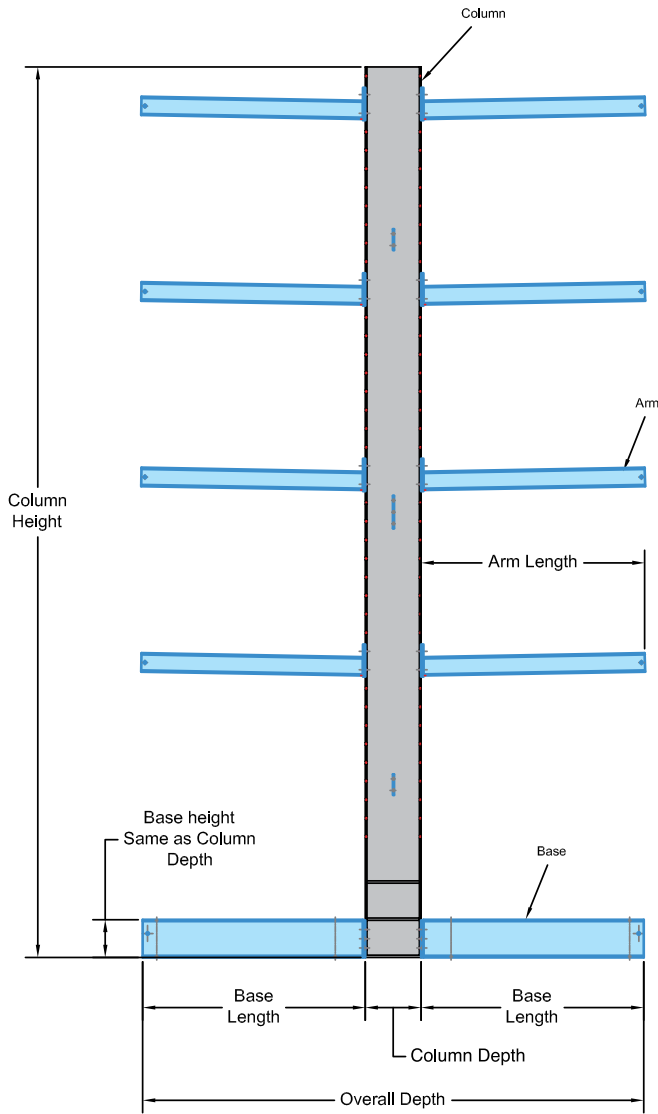


Bracing Patterns

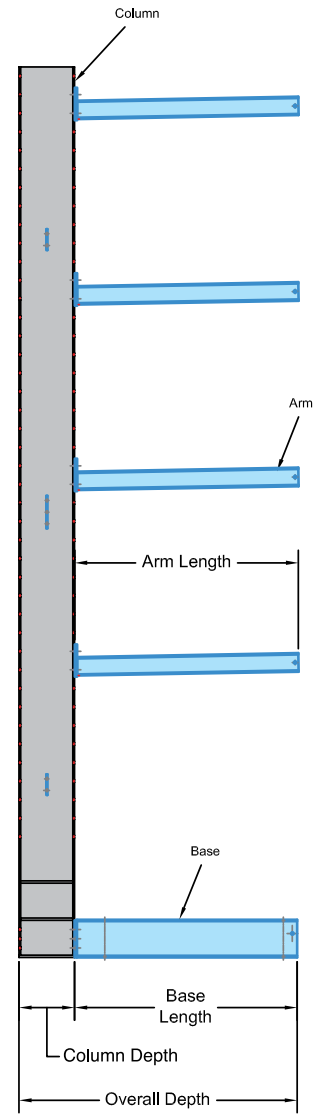
Bracing patterns for various column heights are shown below. Typically, every bay is braced.



Column Details



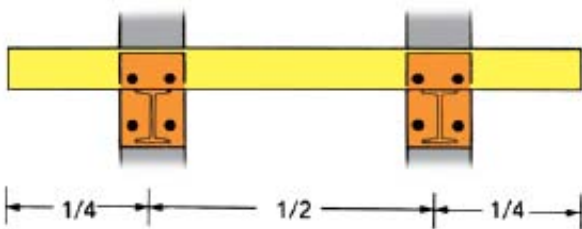
Double Sided Elevation



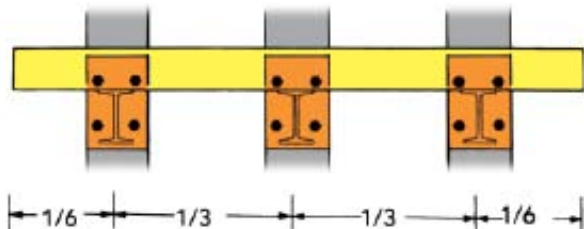
Single Sided Elevation

Recommended Column Spacing

Proper spacing of columns is determined by an acceptable level of load deflection between the column arms supporting the load



TWO ARM SUPPORT IS MOST ECONOMICAL
Load is centered on two arms with the distance between arms at $1/2$ the length of the load unit.



THREE ARM SUPPORT FOR HEAVY, LONG LOADS
Center the load over middle arm support with distance between arms $1/3$ the length of the load unit.