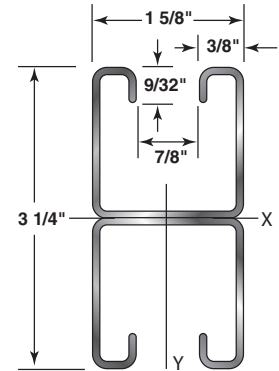
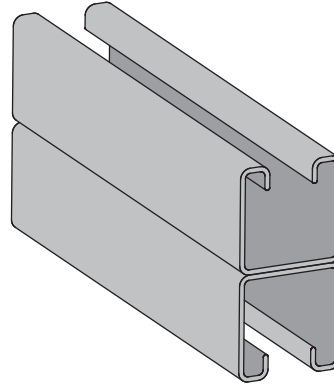


H-134-A

3 1/4" X 1 5/8"

14 Gauge Back-to-Back
wt./100 ft. - 290#

Stocked in pre-galvanized, plain & powder coated Supr-Green, in both 10 & 20 ft. lengths. Note: Also available in Stainless Steel 304 & 316L Alloys. Other materials, finishes, lengths, slotted and configurations are available upon request.



and 20' lengths with a tolerance of $\pm 1/8$ ".
Other lengths are available upon request.

LOADING DATA

1. When calculating load at center of span, multiply load from table by 0.5 and deflection by 0.8.
2. When calculating beam and column loads for aluminum, multiply by 33%.

MATERIAL

H-STRUT channels are produced from prime structural steel covered by the following specifications.
(See technical section for additional information)

- Pre-Galvanized SteelASTM A-653
- Plain SteelASTM A-1011-04-SS
- Aluminum (Type 6063T6)ASTM B-221
- Stainless Steel (Type 304 & 316L)ASTM A-240

Other materials and specifications available on request.

FINISHES

All H-STRUT channels are stocked in pre-galvanized and powder coated Supr-Green. Some sizes are stocked in zinc trivalent chromium, PVC or hot dipped galvanized.

- Hot Dipped Galvanized.ASTM A-123
- Zinc Trivalent Chromium.ASTM B-633-85
- Powder Coated Supr-Green.ASTM B-117
- PVC Coating 40 ML Thickness - Available Upon Request

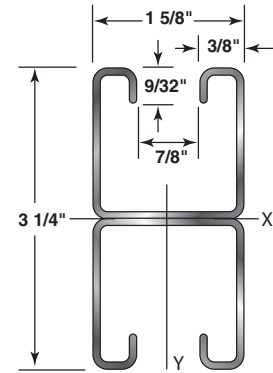
H-134-A

3 1/4" X 1 5/8"
 14 Gauge Back-to-Back
 wt./100 ft. - 290# (Cont.)

SECTION PROPERTIES

Catalog No.	Wt./Ft. Lbs.	Area of Section Sq. In.	X-X Axis			Y-Y Axis		
			I in ⁴	S in ³	r in.	I in ⁴	S in ³	r in.
H-134-A	2.90	0.832	0.741	0.456	0.944	0.366	0.450	0.663

I = Moment of Inertia S = Section Modulus r = Radius of Gyration



Span or Unbraced Height (In)	Static Beam Load (X-X Axis)							Column Loading Data			
	Max Allowable Uniform Load (Lbs)	Deflection at Uniform Load (In)	Uniform Load at Deflection				Max. Allowable Load at Slot Face (Lbs)	Max. Column Load Applied at C.G.			
			Span/180 Deflection (Lbs)	Span/240 Deflection (Lbs)	Span/360 Deflection (Lbs)	Weight of Channel (Lbs)		k=.65 (Lbs)	k=.80 (Lbs)	k=1.0 (Lbs)	k=1.2 (Lbs)
12	2,180 *	0.01	2,180 *	2,180 *	2,180 *	2.9	5,140	19,250	19,170	19,030	18,870
18	2,180 *	0.02	2,180 *	2,180 *	2,180 *	4.4	5,100	19,050	18,870	18,570	18,210
24	2,180 *	0.03	2,180 *	2,180 *	2,180 *	5.8	5,040	18,780	18,460	17,940	17,320
30	2,180 *	0.05	2,180 *	2,180 *	2,180 *	7.3	4,970	18,430	17,940	17,160	16,250
36	2,180 *	0.07	2,180 *	2,180 *	2,180 *	8.7	4,880	18,010	17,320	16,250	15,030
42	2,180 *	0.10	2,180 *	2,180 *	2,180 *	10.2	4,780	17,530	16,630	15,240	13,700
48	1,910	0.13	1,910	1,910	1,910	11.6	4,670	16,990	15,860	14,150	12,310
60	1,530	0.20	1,530	1,530	1,300	14.5	4,420	15,760	14,150	11,840	9,530
72	1,270	0.28	1,270	1,270	900	17.4	4,120	14,370	12,310	9,530	6,960
84	1,090	0.39	1,090	990	660	20.3	3,800	12,890	10,450	7,360	5,110
96	960	0.50	960	760	510	23.2	3,460	11,380	8,640	5,630	3,910
108	850	0.64	800	600	400	26.1	3,100	9,870	6,960	4,450	3,090
120	760	0.79	650	490	320	29.0	2,770	8,420	5,630	3,610	**
144	640	1.13	450	340	220	34.8	2,230	5,930	3,910	**	**
168	550	1.54	330	250	170	40.6	**	4,350	**	**	**
180	510	1.77	290	220	140	43.5	**	3,790	**	**	**
192	480	2.01	250	190	130	46.4	**	3,330	**	**	**
216	420	2.55	200	150	100	52.2	**	**	**	**	**
240	380	3.15	160	120	80	58.0	**	**	**	**	**

Bearing Load may limit load

* Load limited by spot weld shear

** Not recommended - KL/r exceeds 200

Notes

- The beam capacities shown above include the weight of the strut beam. The beam weight must be subtracted from these capacities to arrive at the net beam capacity.
- Refer to the latest Haydon Engineering Catalog in our Literature Section for reduction factors for unbraced lengths or call us 1-800-2-HAYDON.

3. Allowable beam loads are based on a uniformly loaded, simply supported beam. For capacities of a beam loaded at midspan at a single point, multiply the beam capacity by 50% and deflection by 80%.

4. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following:

- OS by 88%, OS3 by 90%,
- RS (1/16 holes) by 88%, RS-3/4-MOD (3/4 holes) by 85%,
- KO by 82%.

Project Information			
Project:	Notes:		
Address:			
Contractor:			
Engineer:			
	Date:		
Approval			
<input type="checkbox"/> Approved <input type="checkbox"/> Approved as Noted <input type="checkbox"/> Not Approved	Signature:	Remarks:	