

H-134

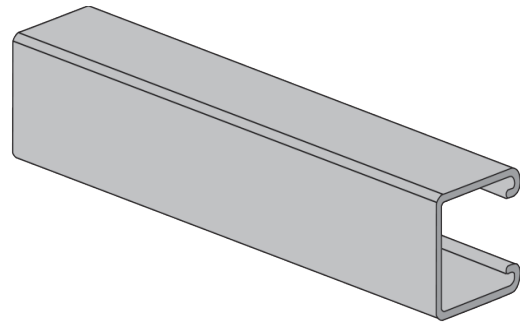
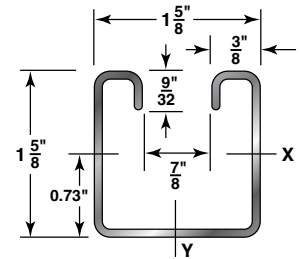
Insert custom dimensions

1 5/8" X 1 5/8"

14 Gauge Channel

Weight/100 ft. - 145 lbs.

H-134 is a medium-duty channel with a good strength-to-weight ratio. This product is commonly used for supporting electrical and light-duty mechanical systems. As a 14 gauge alternative to the H-132 profile, it is available "slotted" or with several other pre-punched hole and weld configurations.



SPECIFICATIONS

General

H-STRUT® channels are manufactured from high quality, domestically sourced structural steel and roll formed into shape. These products comply with MFMA-4 standards, and beam and column load tables are calculated in accordance with the ANSI North American Specification for the Design of Cold-Formed Steel Structural Members, 2016 Edition.

Length Information

H-Strut channels are produced in standard 10' and 20' lengths with a tolerance of $\pm 1/8"$. Other lengths are available upon request.

Loading Data

1. Load capacities in this section include a safety factor (to the yield strength) of 1.68 for beam loads and 1.80 for column loads.
2. When calculating load at center of span, multiply load from table 0.5 and deflection by 0.8.
3. When calculating beam and column loads for aluminum, multiply by 33%.

Material

H-Strut channels are produced from prime structural metals covered by the following specifications.

(See the technical section for additional information.)

- Aluminum (Type 6063-T6) ASTM B221
- Plain Steel ASTM A1011 SS Grade 33
- Pre-Galvanized Steel ASTM A653 SS Grade 33, G90
- Stainless Steel (Type 304 & 316L) ASTM A240

Other materials and specifications are available upon request.

Finishes

H-Strut is available in powder-coated and zinc trivalent. Other finishes are available upon request.

- Hot-Dip Galvanized ASTM A123
- Zinc Trivalent Chromium (ZTC) ASTM B633
- Powder-Coated

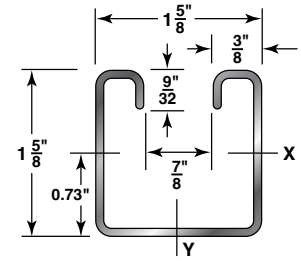


H-134

Section Properties

Catalog No.	Wt. lbs/ft	Area in ²	X-X Axis			Y-Y Axis			dy in
			I in ⁴	S in ³	r in	I in ⁴	S in ³	r in	
H-134	1.45	0.409	0.145	0.162	0.596	0.179	0.221	0.662	0.73

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



Span or Unbraced Height	Static Beam Loading (X-X Axis)					Weight of Channel	Column Loading Data				Unbraced Length Factor	
	Max Allowed Uniform Load	Deflection at Uniform Load	Uniform Load at Deflection				Max Allowed Load at Slot Face	Max Column Load Applied at C.G.				
			Span/180	Span/240	Span/360			k=0.65	k=0.80	k=1.0		k=1.2
in	lbs	in	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	lbs	
24	1,350	0.06	1,350	1,350	1,350	2.9	2,790	7,930	7,260	6,320	5,410	1.00
36	900	0.13	900	900	690	4.4	2,460	6,440	5,410	4,180	3,190	1.00
48	670	0.23	670	580	390	5.8	1,990	4,970	3,820	2,730	2,120	0.93
60	540	0.35	500	370	250	7.3	1,620	3,730	2,730	2,010	1,600	0.88
72	450	0.51	350	260	170	8.7	1,350	2,830	2,120	1,600	1,290	0.83
84	380	0.68	250	190	130	10.2	1,160	2,280	1,740	1,330	1,080	0.78
96	330	0.89	190	150	100	11.6	1,020	1,910	1,480	1,140	920	0.74
108	300	1.15	150	120	80	13.1	920	1,650	1,290	1,000	**	0.71
120	270	1.42	120	90	60	14.5	830	1,450	1,140	**	**	0.68
144	220	2.00	90	60	40	17.4	690	1,170	920	**	**	0.62
168	190	2.74	60	50	30	20.3	**	980	**	**	**	0.57
192	160	3.44	50	40	NR	23.2	**	**	**	**	**	0.53
216	150	4.60	40	30	NR	26.1	**	**	**	**	**	0.49
240	130	5.46	30	NR	NR	29.0	**	**	**	**	**	0.46

NR indicates not recommended | * indicates uniform load limited by weld shear | ** indicates KL/r > 200

Notes:

- The beam weight must be subtracted from the above capacities to arrive at the net beam capacity.
- 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%.
- 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 (9/16 holes) by 88%
 - KO by 82%
- Refer to the latest Haydon Engineering Catalog for reduction factors for unbraced lengths, or contact us at engineering@haydoncorp.com or 1-800-242-9366.

PROJECT INFORMATION			
Project:		Notes:	
Address:			
Contractor:			
Engineer:	Date:		
APPROVAL			
☐ Approved ☐ Approved as Noted ☐ Not Approved		Signature: _____ Remarks: _____	

1-800-242-9366 | haydoncorp.com | submittal@haydoncorp.com

in © Copyright 2026 by Haydon Corporation. All rights reserved. HC020251 4/2025
All trademarks and service marks denoted with TM, SM, or ® are owned by Haydon Corporation unless otherwise noted

HAYDON