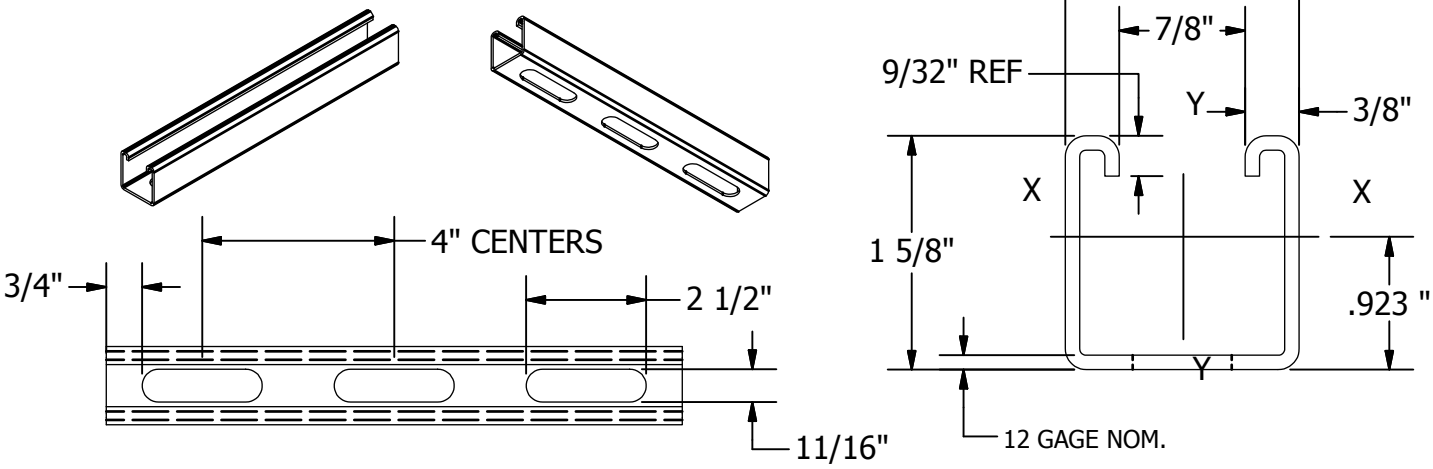
PRODUCT DATA SHEET

H-132-OS 2.5-PG CHANNEL

HAYDON PART NO. 712103 - H-132-OS2.5-PG X 10FT - 1 5/8" X 12 GAGE CHANNEL
HAYDON PART NO. 712104 - H-132-OS2.5-PG X 20FT - 1 5/8" X 12 GAGE CHANNEL



PROPERTIES OF SECTION								
	Wt/Ft	Area of Section		X-X Axis			Y-Y Axis	
Catalog No.	Lbs.	Sq. in.	I in.^4	S in.^3	r in.	I in.^4	S in.^3	r in.
H-132 OS2.5	1.68	.552	0.188	0.208	0.584	0.236	0.290	0.654

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

SPECIFICATIONS

CUSTOMER APPROVAL

PRINT NAME _____ SIGNATURE _____ DATE _____

GENERAL

H-STRUT channels are manufactured by a series of forming dies, or rolls, which progressively cold work the strip steel into the desired channel configuration. This method produces a cross section of uniform dimensions within a tolerance of plus or minus .015", on outside dimensions.

MATERIAL

H-STRUT channels are produced from structural steel covered by the following specifications.
PRE-GALVANIZED STEEL . . . . . ASTM A-653
Mill Certifications may be provided at the time of order.

LENGTH INFORMATION

H-STRUT channels are produced and stocked in 10 and 20 foot lengths with a tolerance of +/- 1/8".
Other lengths are available upon request.

All information contained herein is based on Haydon's "H-Strut Metal Framing No. 15 Engineering Catalog"

Prepared by: Name	Signature	Title	Date
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H-132-OS2.5-PG CHANNEL

Span (In)	Static Beam Load (X-X Axis)							Max. Allowable Load at Slot Face (Lbs)	Column Loading Data			
	Max Allowable Uniform Load (Lbs)	Deflection at Uniform Load (In)	Uniform Load at Deflection						Max. Column Load Applied at C.G.			
			Span/180 Deflection (Lbs)	Span/240 Deflection (Lbs)	Span/360 Deflection (Lbs)	Weight of Channel (Lbs)	Unbraced Height (In)		k=.65 (Lbs)	k=.80 (Lbs)	k=1.0 (Lbs)	k=1.2 (Lbs)
12	3,480	0.01	3,480	3,480	3,480	1.9	12	3,850	12,240	11,940	11,480	10,960
18	2,320	0.03	2,320	2,320	2,320	2.9	18	3,710	11,540	10,960	10,130	9,290
24	1,740	0.06	1,740	1,740	1,740	3.9	24	3,530	10,690	9,850	8,740	7,710
30	1,390	0.09	1,390	1,390	1,310	4.9	30	3,330	9,780	8,740	7,470	6,380
36	1,160	0.13	1,160	1,160	910	5.8	36	3,120	8,880	7,710	6,380	5,310
42	990	0.17	990	990	670	6.8	42	2,910	8,020	6,800	5,470	4,430
48	870	0.23	870	770	510	7.8	48	2,710	7,240	6,000	4,690	3,810
60	700	0.35	660	490	330	9.7	60	2,340	5,910	4,690	3,630	2,960
72	580	0.51	460	340	230	11.6	72	2,040	4,840	3,810	2,960	2,400
84	500	0.69	340	250	170	13.6	84	1,800	4,040	3,200	2,480	1,980
96	430	0.90	260	190	130	15.5	96	1,600	3,480	2,750	2,110	1,670
108	390	1.14	200	150	100	17.5	108	1,440	3,050	2,400	1,820	**
120	350	1.41	160	120	80	19.4	120	1,290	2,700	2,110	**	**
144	290	2.03	110	90	60	23.3	144	1,060	2,180	1,670	**	**
168	250	2.77	80	60	40	27.2	168	**	1,790	**	**	**
180	230	3.18	70	50	40	29.1	180	**	**	**	**	**
192	220	3.61	60	50	NR	31.0	192	**	**	**	**	**
216	190	4.57	50	40	NR	34.9	216	**	**	**	**	**
240	170	5.65	40	NR	NR	38.8	240	**	**	**	**	**

NR = Not Recommended
** Not recommended - KL/r exceeds 200

NOTES

1. 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.
2. 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%.
3. The above chart shows beam capacities for strut without holes. For strut with holes, multiply by the following: OS2.5 by 86%.
4. See H-Strut Metal Framing No. 15 Engineering Catalog for reduction factors for unbraced lengths.

Bearing Load may limit load

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