



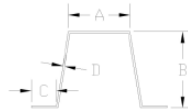
Product: Hat Channel

Product Info: Section Properties For Hat Channel

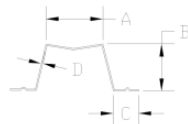
Section Properties for Hat Channel

Section	Design Thickness (in)	Area (in ²)	Gross Properties			33 KSI Effective Properties						
			Weight (lb/ft)	I _{xx} (in ⁴)	R _x (in)	I _{yy} (in ⁴)	R _y (in)	I _{xx} (in ⁴)	S _{xx} (in ³)	M _a (in-k)	V _a (lb)	Y _{cg} (in)
067HC-18	0.0197	0.094	0.285	0.012	0.383	0.056	0.861	0.0097	0.0170	27.962		
067HC-30	0.0328	0.137	0.464	0.177	1.197	0.091	0.861	0.0176	0.0342	56.322		
067HC-43	0.0474	0.194	0.659	0.024	0.373	0.131	0.862	0.0245	0.0544	89.628		
150HC-18	0.0197	0.108	0.370	0.038	0.621	0.081	0.905	0.0334	0.0365	60.134		
150HC-30	0.0328	0.179	0.606	0.061	0.615	0.132	0.905	0.0605	0.0709	116.739		
150HC-43	0.0474	0.254	0.864	0.085	0.609	0.189	0.905	0.0856	0.1115	183.645		

A. 1 1/2"
B. 1 1/2"
C. 1/2"
D. .020 - 25 gage
.030 - 22 gage
.037 - 20 gage
.048 - 18 gage
.060 - 16 gage



A. 1 1/2"
B. 7/8"
C. 1/2"
D. .020 - 25 gage
.030 - 22 gage
.033 - 20 gage



Hat Channel Allowable Ceiling Spans- Deflection L/360

Section	Spans	4 psf Channel Spacing (in) o.c.						6 psf Channel Spacing (in) o.c.					
		12"		16"		24"		12"		16"		24"	
		(FT)	(IN)	(FT)	(IN)	(FT)	(IN)	(FT)	(IN)	(FT)	(IN)	(FT)	(IN)
067HC-18	Single	4	11	4	5	3	10	4	3	3	10	3	4
	Multiple	6	0	5	6	4	9	5	3	4	9	4	2
067HC-30	Single	5	11	5	5	4	8	5	3	4	8	4	1
	Multiple	7	4	6	8	5	10	6	5	5	10	5	0
067HC-43	Single	6	7	6	0	5	3	5	9	5	3	4	7
	Multiple	8	2	7	5	6	6	7	2	6	6	5	8
150HC-18	Single	7	4	6	8	5	10	6	5	5	10	5	0
	Multiple	9	1	8	3	7	3	7	11	7	3	6	5
150HC-30	Single	9	0	8	1	7	2	7	10	7	2	6	2
	Multiple	11	1	10	1	8	10	9	8	8	10	7	8
150HC-43	Single	10	0	9	2	8	9	8	10	8	0	7	0
	Multiple	12	6	11	4	9	10	10	11	9	10	8	7

ASTM & Code Standards:

- AISI North American Specification [NASPEC] S100-07 with 2010 Supplement.
- * Effective properties incorporate the strength increase from the cold work of forming
- Gross properties are based on the full-unreduced cross section, away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955, A653 and A1003
- Galvanized sheet steel meets or exceeds requirements of ASTM A924

Contractor Info:

Architect Info:

Project Info:

