

Table Notes

1. If present, hems and offsets in flanges are ignored.
2. Effective properties are given as the minimum value for positive or negative bending.
3. See page 5 for additional table notes.

(Hat) Furring Channel Section Properties (F-Sections)											
Section	F _y (ksi)	Design Thickness (in)	Gross Properties					Effective Properties			
			Area (in ²)	Weight (lb/ft)	I _x (in ⁴)	R _x (in)	I _y (in ⁴)	R _y (in)	I _x (in ⁴)	S _x (in ³)	M _a (in-k)
087F125-18	33	0.0188	0.070	0.239	0.009	0.356	0.0354	0.710	0.0086	0.0160	0.317
087F125-27	33	0.0283	0.105	0.356	0.013	0.353	0.0528	0.710	0.0131	0.0272	0.537
087F125-30	33	0.0312	0.115	0.391	0.014	0.353	0.0580	0.710	0.0143	0.0307	0.606
087F125-33	33	0.0346	0.127	0.432	0.016	0.351	0.0641	0.710	0.0157	0.0337	0.665
087F125-43	33	0.0451	0.162	0.550	0.020	0.348	0.0817	0.711	0.0196	0.0420	0.830
150F125-18	33	0.0188	0.094	0.320	0.031	0.575	0.0467	0.705	0.0299	0.0344	0.679
150F125-27	33	0.0283	0.140	0.477	0.046	0.572	0.0697	0.705	0.0459	0.0569	1.125
150F125-30	33	0.0312	0.154	0.525	0.050	0.571	0.0767	0.705	0.0503	0.0639	1.263
150F125-33	33	0.0346	0.171	0.581	0.055	0.570	0.0848	0.705	0.0554	0.0704	1.391
150F125-43	33	0.0451	0.219	0.745	0.070	0.565	0.1087	0.705	0.0699	0.0888	1.755

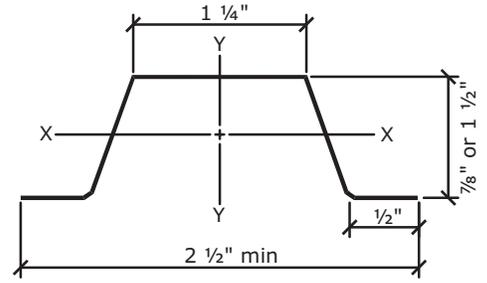


Table Notes

1. Single spans are the minimum span based on moment, shear, web crippling, or deflection.
2. Multiple spans indicate two or more equal and continuous spans with span length measured support to support.
3. Web crippling check is based on 1" of bearing at end and interior supports.
4. Multiple spans are the minimum span based on moment, shear, web crippling, deflection, combined bending and shear, or combined bending and web crippling.
5. See page 5 for additional table notes.

(Hat) Furring Channel Allowable Ceiling Spans (F-Sections) - L/240											
Section	F _y (ksi)	Spans	4 psf			6 psf			13 psf *		
			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	5' 2"	4' 9"	4' 1"	4' 6"	4' 1"	3' 7"	3' 6"	3' 2"	2' 9"
		Multiple	6' 5"	5' 10"	5' 1"	5' 7"	5' 1"	4' 2"	4' 0"	3' 6"	2' 10"
087F125-27	33	Single	6' 0"	5' 5"	4' 9"	5' 3"	4' 9"	4' 2"	4' 0"	3' 8"	3' 2"
		Multiple	7' 5"	6' 9"	5' 10"	6' 6"	5' 10"	5' 2"	5' 0"	4' 6"	3' 8"
087F125-30	33	Single	6' 2"	5' 7"	4' 11"	5' 5"	4' 11"	4' 3"	4' 2"	3' 9"	3' 4"
		Multiple	7' 7"	6' 11"	6' 1"	6' 8"	6' 1"	5' 3"	5' 2"	4' 8"	3' 11"
087F125-33	33	Single	6' 4"	5' 9"	5' 1"	5' 7"	5' 1"	4' 5"	4' 4"	3' 11"	3' 5"
		Multiple	7' 10"	7' 2"	6' 3"	6' 10"	6' 3"	5' 5"	5' 4"	4' 10"	4' 1"
087F125-43	33	Single	6' 10"	6' 3"	5' 5"	6' 0"	5' 5"	4' 9"	4' 7"	4' 2"	3' 8"
		Multiple	8' 6"	7' 8"	6' 9"	7' 5"	6' 9"	5' 10"	5' 9"	5' 2"	4' 6"
150F125-18	33	Single	7' 11"	7' 2"	6' 3"	6' 11"	6' 3"	5' 6"	5' 4"	4' 10"	4' 2"
		Multiple	9' 9"	8' 10"	7' 6"	8' 6"	7' 6"	6' 0"	5' 8"	4' 9"	3' 8"
150F125-27	33	Single	9' 1"	8' 3"	7' 3"	7' 11"	7' 3"	6' 4"	6' 2"	5' 7"	4' 10"
		Multiple	11' 3"	10' 3"	8' 11"	9' 10"	8' 11"	7' 10"	7' 7"	6' 7"	5' 4"
150F125-30	33	Single	9' 5"	8' 6"	7' 5"	8' 2"	7' 5"	6' 6"	6' 4"	5' 9"	5' 0"
		Multiple	11' 7"	10' 6"	9' 2"	10' 2"	9' 2"	8' 0"	7' 10"	7' 0"	5' 8"
150F125-33	33	Single	9' 8"	8' 10"	7' 8"	8' 6"	7' 8"	6' 9"	6' 6"	5' 11"	5' 2"
		Multiple	12' 0"	10' 11"	9' 6"	10' 6"	9' 6"	8' 4"	8' 1"	7' 4"	6' 0"
150F125-43	33	Single	10' 6"	9' 6"	8' 4"	9' 2"	8' 4"	7' 3"	7' 1"	6' 5"	5' 7"
		Multiple	13' 0"	11' 9"	10' 3"	11' 4"	10' 3"	9' 0"	8' 9"	8' 0"	6' 8"

(Hat) Furring Channel Allowable Ceiling Spans (F-Sections) - L/360											
Section	F _y (ksi)	Spans	4 psf			6 psf			13 psf *		
			Spacing (in) on center			Spacing (in) on center			Spacing (in) on center		
			12	16	24	12	16	24	12	16	24
087F125-18	33	Single	4' 6"	4' 1"	3' 7"	4' 0"	3' 7"	3' 2"	3' 1"	2' 9"	2' 5"
		Multiple	5' 7"	5' 1"	4' 5"	4' 11"	4' 5"	3' 11"	3' 9"	3' 5"	2' 10"
087F125-27	33	Single	5' 3"	4' 9"	4' 2"	4' 7"	4' 2"	3' 7"	3' 6"	3' 2"	2' 10"
		Multiple	6' 6"	5' 10"	5' 2"	5' 8"	5' 2"	4' 6"	4' 4"	4' 0"	3' 6"
087F125-30	33	Single	5' 5"	4' 11"	4' 3"	4' 8"	4' 3"	3' 9"	3' 8"	3' 4"	2' 11"
		Multiple	6' 8"	6' 1"	5' 3"	5' 10"	5' 3"	4' 7"	4' 6"	4' 1"	3' 7"
087F125-33	33	Single	5' 7"	5' 1"	4' 5"	4' 10"	4' 5"	3' 10"	3' 9"	3' 5"	3' 0"
		Multiple	6' 10"	6' 3"	5' 5"	6' 0"	5' 5"	4' 9"	4' 8"	4' 3"	3' 8"
087F125-43	33	Single	6' 0"	5' 5"	4' 9"	5' 3"	4' 9"	4' 2"	4' 0"	3' 8"	3' 2"
		Multiple	7' 5"	6' 9"	5' 10"	6' 6"	5' 10"	5' 2"	5' 0"	4' 6"	4' 0"
150F125-18	33	Single	6' 11"	6' 3"	5' 6"	6' 0"	5' 6"	4' 9"	4' 8"	4' 3"	3' 8"
		Multiple	8' 6"	7' 9"	6' 9"	7' 5"	6' 9"	5' 11"	5' 8"	4' 9"	3' 8"
150F125-27	33	Single	7' 11"	7' 3"	6' 4"	6' 11"	6' 4"	5' 6"	5' 4"	4' 10"	4' 3"
		Multiple	9' 10"	8' 11"	7' 10"	8' 7"	7' 10"	6' 10"	6' 8"	6' 0"	5' 3"
150F125-30	33	Single	8' 2"	7' 5"	6' 6"	7' 2"	6' 6"	5' 8"	5' 6"	5' 0"	4' 5"
		Multiple	10' 2"	9' 2"	8' 0"	8' 10"	8' 0"	7' 0"	6' 10"	6' 3"	5' 5"
150F125-33	33	Single	8' 6"	7' 8"	6' 9"	7' 5"	6' 9"	5' 10"	5' 9"	5' 2"	4' 6"
		Multiple	10' 6"	9' 6"	8' 4"	9' 2"	8' 4"	7' 3"	7' 1"	6' 5"	5' 7"
150F125-43	33	Single	9' 2"	8' 4"	7' 3"	8' 0"	7' 3"	6' 4"	6' 2"	5' 7"	4' 11"
		Multiple	11' 4"	10' 3"	9' 0"	9' 11"	9' 0"	7' 10"	7' 8"	6' 11"	6' 1"

* Loads that exceed 10 psf limit require an approved CP60 coating.