

Hat furring channels

Simple span – Allowable uniform load (lb/ft)													
Member	Span (ft)												
	1.33	2	3	4	5	6	7	8	9	10	12	14	
L/120 Deflection Limit													
087F125-18	119.4	52.8	23.5	13.2	8.5	5.2	3.3	2.2	1.5	1.1	0.6	0.4	
087F125-27	202.5	89.6	39.8	22.4	13.7	7.9	5.0	3.3	2.4	1.7	1.0	0.6	
087F125-30	228.3	100.9	44.9	25.2	15.0	8.7	5.5	3.7	2.6	1.9	1.1	0.7	
087F125-33	250.7	110.9	49.3	27.7	16.5	9.5	6.0	4.0	2.8	2.1	1.2	0.7	
087F125-43	312.8	138.3	61.5	34.6	20.5	11.9	7.5	5.0	3.5	2.6	1.5	0.9	
087F125-54	372.9	164.9	73.3	41.2	24.5	14.2	8.9	6.0	4.2	3.1	1.8	1.1	
150F125-18	122.7	81.6	50.3	28.3	18.1	12.6	9.2	7.1	5.4	3.9	2.3	1.4	
150F125-27	317.4	187.5	83.3	46.9	30.0	20.8	15.3	11.7	8.3	6.0	3.5	2.2	
150F125-30	392.8	210.5	93.6	52.6	33.7	23.4	17.2	12.9	9.0	6.6	3.8	2.4	
150F125-33	490.1	231.8	103.0	58.0	37.1	25.8	18.9	14.2	10.0	7.3	4.2	2.6	
150F125-43	661.4	292.5	130.0	73.1	46.8	32.5	23.9	17.9	12.6	9.2	5.3	3.3	
150F125-54	797.6	352.7	156.8	88.2	56.4	39.2	28.8	21.6	15.2	11.1	6.4	4.0	
L/180 Deflection Limit													
087F125-18	119.4	52.8	23.5	11.7	6.0	3.5	2.2	1.5	1.0	0.7	0.4	0.3	
087F125-27	202.5	89.6	39.8	17.9	9.1	5.3	3.3	2.2	1.6	1.1	0.7	0.4	
087F125-30	228.3	100.9	44.9	19.5	10.0	5.8	3.6	2.4	1.7	1.2	0.7	0.5	
087F125-33	250.7	110.9	49.3	21.4	11.0	6.3	4.0	2.7	1.9	1.4	0.8	0.5	
087F125-43	312.8	138.3	61.5	26.8	13.7	7.9	5.0	3.3	2.3	1.7	1.0	0.6	
087F125-54	372.9	164.9	73.3	31.9	16.3	9.5	6.0	4.0	2.8	2.0	1.2	0.7	
150F125-18	122.7	81.6	50.3	28.3	18.1	12.1	7.6	5.1	3.6	2.6	1.5	1.0	
150F125-27	317.4	187.5	83.3	46.9	30.0	18.6	11.7	7.8	5.5	4.0	2.3	1.5	
150F125-30	392.8	210.5	93.6	52.6	33.7	20.4	12.8	8.6	6.0	4.4	2.5	1.6	
150F125-33	490.1	231.8	103.0	58.0	37.1	22.4	14.1	9.5	6.6	4.8	2.8	1.8	
150F125-43	661.4	292.5	130.0	73.1	46.8	28.3	17.8	11.9	8.4	6.1	3.5	2.2	
150F125-54	797.6	352.7	156.8	88.2	56.4	34.2	21.5	14.4	10.1	7.4	4.3	2.7	
L/240 Deflection Limit													
087F125-18	119.4	52.8	20.8	8.8	4.5	2.6	1.6	1.1	0.8	0.6	0.3	0.2	
087F125-27	202.5	89.6	31.7	13.4	6.9	4.0	2.5	1.7	1.2	0.9	0.5	0.3	
087F125-30	228.3	100.9	34.7	14.6	7.5	4.3	2.7	1.8	1.3	0.9	0.5	0.3	
087F125-33	250.7	110.9	38.1	16.1	8.2	4.8	3.0	2.0	1.4	1.0	0.6	0.4	
087F125-43	312.8	138.3	47.6	20.1	10.3	5.9	3.7	2.5	1.8	1.3	0.7	0.5	
087F125-54	372.9	164.9	56.8	23.9	12.3	7.1	4.5	3.0	2.1	1.5	0.9	0.6	
150F125-18	122.7	81.6	50.3	28.3	15.7	9.1	5.7	3.8	2.7	2.0	1.1	0.7	
150F125-27	317.4	187.5	83.3	46.9	24.1	13.9	8.8	5.9	4.1	3.0	1.7	1.1	
150F125-30	392.8	210.5	93.6	51.5	26.4	15.3	9.6	6.4	4.5	3.3	1.9	1.2	
150F125-33	490.1	231.8	103.0	56.8	29.1	16.8	10.6	7.1	5.0	3.6	2.1	1.3	
150F125-43	661.4	292.5	130.0	71.6	36.7	21.2	13.4	9.0	6.3	4.6	2.7	1.7	
150F125-54	797.6	352.7	156.8	86.5	44.3	25.6	16.1	10.8	7.6	5.5	3.2	2.0	
L/360 Deflection Limit													
087F125-18	119.4	46.7	13.8	5.8	3.0	1.7	1.1	0.7	0.5	0.4	0.2	0.1	
087F125-27	202.5	71.4	21.2	8.9	4.6	2.6	1.7	1.1	0.8	0.6	0.3	0.2	
087F125-30	228.3	78.1	23.1	9.8	5.0	2.9	1.8	1.2	0.9	0.6	0.4	0.2	
087F125-33	250.7	85.7	25.4	10.7	5.5	3.2	2.0	1.3	0.9	0.7	0.4	0.2	
087F125-43	312.8	107.0	31.7	13.4	6.8	4.0	2.5	1.7	1.2	0.9	0.5	0.3	
087F125-54	372.9	127.7	37.8	16.0	8.2	4.7	3.0	2.0	1.4	1.0	0.6	0.4	
150F125-18	122.7	81.6	48.5	20.4	10.5	6.1	3.8	2.6	1.8	1.3	0.8	0.5	
150F125-27	317.4	187.5	74.3	31.3	16.0	9.3	5.8	3.9	2.8	2.0	1.2	0.7	
150F125-30	392.8	210.5	81.4	34.4	17.6	10.2	6.4	4.3	3.0	2.2	1.3	0.8	
150F125-33	490.1	231.8	89.7	37.8	19.4	11.2	7.1	4.7	3.3	2.4	1.4	0.9	
150F125-43	661.4	292.5	113.2	47.8	24.5	14.2	8.9	6.0	4.2	3.1	1.8	1.1	
150F125-54	797.6	352.7	136.6	57.6	29.5	17.1	10.8	7.2	5.1	3.7	2.1	1.3	

Notes: 1. Allowable uniform loads are taken as the minimum value based on:
a. Moment b. Shear c. Web crippling (1" end bearing) d. Listed deflection

Two equal continuous spans – Allowable uniform load (lb/ft)													
Member	Span (ft)												
	1.33	2	3	4	5	6	7	8	9	10	12	14	
L/120 Deflection Limit													
087F125-18	89.8	46.3	23.1	13.1	8.4	5.9	4.3	3.3	2.6	2.1	1.5	1.0	
087F125-27	172.8	86.5	39.3	22.2	14.3	9.9	7.3	5.6	4.4	3.6	2.4	1.5	
087F125-30	200.1	98.0	44.3	25.0	16.1	11.2	8.2	6.3	5.0	4.0	2.6	1.6	
087F125-33	228.1	107.7	48.6	27.5	17.7	12.3	9.0	6.9	5.5	4.4	2.9	1.8	
087F125-43	292.4	134.1	60.6	34.3	22.0	15.3	11.3	8.6	6.8	5.5	3.6	2.3	
087F125-54	345.4	159.2	72.1	40.9	26.2	18.2	13.4	10.3	8.1	6.6	4.3	2.7	
150F125-18	115.3	67.8	36.8	23.2	16.1	11.8	9.0	7.1	5.6	4.5	3.1	2.3	
150F125-27	250.4	135.6	70.8	43.6	29.6	20.8	15.3	11.7	9.2	7.5	5.2	3.8	
150F125-30	295.2	158.4	82.0	50.3	33.5	23.3	17.1	13.1	10.4	8.4	5.8	4.3	
150F125-33	345.8	183.3	93.8	57.1	36.9	25.7	18.9	14.5	11.4	9.3	6.4	4.7	
150F125-43	500.5	257.6	128.0	72.5	46.5	32.4	23.8	18.2	14.4	11.7	8.1	6.0	
150F125-54	667.7	335.7	154.3	87.4	56.1	39.0	28.7	22.0	17.4	14.1	9.8	7.2	
L/180 Deflection Limit													
087F125-18	89.8	46.3	23.1	13.1	8.4	5.9	4.3	3.3	2.5	1.8	1.0	0.7	
087F125-27	172.8	86.5	39.3	22.2	14.3	9.9	7.3	5.4	3.8	2.8	1.6	1.0	
087F125-30	200.1	98.0	44.3	25.0	16.1	11.2	8.2	5.9	4.1	3.0	1.7	1.1	
087F125-33	228.1	107.7	48.6	27.5	17.7	12.3	9.0	6.5	4.5	3.3	1.9	1.2	
087F125-43	292.4	134.1	60.6	34.3	22.0	15.3	11.3	8.1	5.7	4.1	2.4	1.5	
087F125-54	345.4	159.2	72.1	40.9	26.2	18.2	13.4	9.6	6.8	4.9	2.8	1.8	
150F125-18	115.3	67.8	36.8	23.2	16.1	11.8	9.0	7.1	5.6	4.5	3.1	2.3	
150F125-27	250.4	135.6	70.8	43.6	29.6	20.8	15.3	11.7	9.2	7.5	5.2	3.5	
150F125-30	295.2	158.4	82.0	50.3	33.5	23.3	17.1	13.1	10.4	8.4	5.8	3.9	
150F125-33	345.8	183.3	93.8	57.1	36.9	25.7	18.9	14.5	11.4	9.3	6.4	4.3	
150F125-43	500.5	257.6	128.0	72.5	46.5	32.4	23.8	18.2	14.4	11.7	8.1	5.4	
150F125-54	667.7	335.7	154.3	87.4	56.1	39.0	28.7	22.0	17.4	14.1	9.8	6.5	
L/240 Deflection Limit													
087F125-18	89.8	46.3	23.1	13.1	8.4	5.9	3.9	2.6	1.9	1.4	0.8	0.5	
087F125-27	172.8	86.5	39.3	22.2	14.3	9.6	6.0	4.0	2.8	2.1	1.2	0.8	
087F125-30	200.1	98.0	44.3	25.0	16.1	10.4	6.6	4.4	3.1	2.3	1.3	0.8	
087F125-33	228.1	107.7	48.6	27.5	17.7	11.5	7.2	4.8	3.4	2.5	1.4	0.9	
087F125-43	292.4	134.1	60.6	34.3	22.0	14.3	9.0	6.0	4.2	3.1	1.8	1.1	
087F125-54	345.4	159.2	72.1	40.9	26.2	17.1	10.8	7.2	5.1	3.7	2.1	1.3	
150F125-18	115.3	67.8	36.8	23.2	16.1	11.8	9.0	7.1	5.6	4.5	2.7	1.7	
150F125-27	250.4	135.6	70.8	43.6	29.6	20.8	15.3	11.7	9.2	7.2	4.2	2.6	
150F125-30	295.2	158.4	82.0	50.3	33.5	23.3	17.1	13.1	10.4	7.9	4.6	2.9	
150F125-33	345.8	183.3	93.8	57.1	36.9	25.7	18.9	14.5	11.4	8.8	5.1	3.2	
150F125-43	500.5	257.6	128.0	72.5	46.5	32.4	23.8	18.2	14.4	11.0	6.4	4.0	
150F125-54	667.7	335.7	154.3	87.4	56.1	39.0	28.7	22.0	17.4	13.3	7.7	4.9	
L/360 Deflection Limit													
087F125-18	89.8	46.3	23.1	13.1	7.2	4.2	2.6	1.8	1.2	0.9	0.5	0.3	
087F125-27	172.8	86.5	39.3	21.5	11.0	6.4	4.0	2.7	1.9	1.4	0.8	0.5	
087F125-30	200.1	98.0	44.3	23.5	12.0	7.0	4.4	2.9	2.1	1.5	0.9	0.5	
087F125-33	228.1	107.7	48.6	25.8	13.2	7.6	4.8	3.2	2.3	1.7	1.0	0.6	
087F125-43	292.4	134.1	60.6	32.2	16.5	9.5	6.0	4.0					