

Simple span – Allowable uniform load (lb/ft)												
L/120 deflection limit	Span ft.											
Section	1.33	2	3	4	5	6	7	8	9	10	12	14
087F125-18	118.6	52.5	23.3	13.1	8.4	5.2	3.3	2.2	1.5	1.1	0.6	0.4
087F125-27	201.4	89.1	39.6	22.3	13.7	7.9	5.0	3.3	2.3	1.7	1.0	0.6
087F125-30	227.1	100.4	44.6	25.1	14.9	8.6	5.4	3.6	2.6	1.9	1.1	0.7
087F125-33	249.9	110.5	49.1	27.6	16.4	9.5	6.0	4.0	2.8	2.1	1.2	0.7
087F125-43	315.9	139.7	62.1	34.9	20.7	12.0	7.6	5.1	3.6	2.6	1.5	0.9
087F125-54	378.2	167.2	74.3	41.8	24.8	14.4	9.1	6.1	4.3	3.1	1.8	1.1
150F125-18	130.8	87.0	50.1	28.2	18.0	12.5	9.2	7.0	5.4	3.9	2.3	1.4
150F125-27	336.8	186.8	83.0	46.7	29.9	20.8	15.3	11.7	8.2	6.0	3.5	2.2
150F125-30	416.5	209.8	93.3	52.5	33.6	23.3	17.1	12.8	9.0	6.6	3.8	2.4
150F125-33	520.3	231.2	102.7	57.8	37.0	25.7	18.9	14.1	9.9	7.2	4.2	2.6
150F125-43	667.1	295.0	131.1	73.8	47.2	32.8	24.1	18.1	12.7	9.2	5.3	3.4
150F125-54	808.0	357.3	158.8	89.3	57.2	39.7	29.2	21.9	15.4	11.2	6.5	4.1
L/180 deflection limit												
087F125-18	118.6	52.5	23.3	11.6	6.0	3.4	2.2	1.5	1.0	0.7	0.4	0.3
087F125-27	201.4	89.1	39.6	17.8	9.1	5.3	3.3	2.2	1.6	1.1	0.7	0.4
087F125-30	227.1	100.4	44.6	19.4	10.0	5.8	3.6	2.4	1.7	1.2	0.7	0.5
087F125-33	249.9	110.5	49.1	21.4	10.9	6.3	4.0	2.7	1.9	1.4	0.8	0.5
087F125-43	315.9	139.7	62.1	27.0	13.8	8.0	5.0	3.4	2.4	1.7	1.0	0.6
087F125-54	378.2	167.2	74.3	32.3	16.6	9.6	6.0	4.0	2.8	2.1	1.2	0.8
150F125-18	130.8	87.0	50.1	28.2	18.0	12.1	7.6	5.1	3.6	2.6	1.5	1.0
150F125-27	336.8	186.8	83.0	46.7	29.9	18.5	11.7	7.8	5.5	4.0	2.3	1.5
150F125-30	416.5	209.8	93.3	52.5	33.6	20.3	12.8	8.6	6.0	4.4	2.5	1.6
150F125-33	520.3	231.2	102.7	57.8	37.0	22.4	14.1	9.4	6.6	4.8	2.8	1.8
150F125-43	667.1	295.0	131.1	73.8	47.2	28.5	18.0	12.0	8.5	6.2	3.6	2.2
150F125-54	808.0	357.3	158.8	89.3	57.2	34.6	21.8	14.6	10.2	7.5	4.3	2.7
L/240 deflection limit												
087F125-18	118.6	52.5	20.7	8.7	4.5	2.6	1.6	1.1	0.8	0.6	0.3	0.2
087F125-27	201.4	89.1	31.6	13.3	6.8	4.0	2.5	1.7	1.2	0.9	0.5	0.3
087F125-30	227.1	100.4	34.6	14.6	7.5	4.3	2.7	1.8	1.3	0.9	0.5	0.3
087F125-33	249.9	110.5	38.0	16.0	8.2	4.7	3.0	2.0	1.4	1.0	0.6	0.4
087F125-43	315.9	139.7	48.0	20.2	10.4	6.0	3.8	2.5	1.8	1.3	0.7	0.5
087F125-54	378.2	167.2	57.5	24.3	12.4	7.2	4.5	3.0	2.1	1.6	0.9	0.6
150F125-18	130.8	87.0	50.1	28.2	15.6	9.1	5.7	3.8	2.7	2.0	1.1	0.7
150F125-27	336.8	186.8	83.0	46.7	24.0	13.9	8.7	5.9	4.1	3.0	1.7	1.1
150F125-30	416.5	209.8	93.3	51.4	26.3	15.2	9.6	6.4	4.5	3.3	1.9	1.2
150F125-33	520.3	231.2	102.7	56.6	29.0	16.8	10.6	7.1	5.0	3.6	2.1	1.3
150F125-43	667.1	295.0	131.1	72.2	37.0	21.4	13.5	9.0	6.3	4.6	2.7	1.7
150F125-54	808.0	357.3	158.8	87.5	44.8	25.9	16.3	10.9	7.7	5.6	3.2	2.0
L/360 deflection limit												
087F125-18	118.6	46.5	13.8	5.8	3.0	1.7	1.1	0.7	0.5	0.4	0.2	0.1
087F125-27	201.4	71.2	21.1	8.9	4.6	2.6	1.7	1.1	0.8	0.6	0.3	0.2
087F125-30	227.1	77.8	23.0	9.7	5.0	2.9	1.8	1.2	0.9	0.6	0.4	0.2
087F125-33	249.9	85.4	25.3	10.7	5.5	3.2	2.0	1.3	0.9	0.7	0.4	0.2
087F125-43	315.9	107.9	32.0	13.5	6.9	4.0	2.5	1.7	1.2	0.9	0.5	0.3
087F125-54	378.2	129.4	38.3	16.2	8.3	4.8	3.0	2.0	1.4	1.0	0.6	0.4
150F125-18	130.8	87.0	48.3	20.4	10.4	6.0	3.8	2.5	1.8	1.3	0.8	0.5
150F125-27	336.8	186.8	74.1	31.2	16.0	9.3	5.8	3.9	2.7	2.0	1.2	0.7
150F125-30	416.5	209.8	81.2	34.3	17.5	10.1	6.4	4.3	3.0	2.2	1.3	0.8
150F125-33	520.3	231.2	89.4	37.7	19.3	11.2	7.0	4.7	3.3	2.4	1.4	0.9
150F125-43	667.1	295.0	114.1	48.1	24.7	14.3	9.0	6.0	4.2	3.1	1.8	1.1
150F125-54	808.0	357.3	138.3	58.4	29.9	17.3	10.9	7.3	5.1	3.7	2.2	1.4

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)												
L/120 deflection limit	Span ft.											
Section	1.33	2	3	4	5	6	7	8	9	10	12	14
087F125-18	89.0	47.3	23.1	13.0	8.4	5.8	4.3	3.3	2.6	2.1	1.5	1.0
087F125-27	175.7	86.8	39.1	22.1	14.2	9.9	7.3	5.6	4.4	3.6	2.4	1.5
087F125-30	204.8	97.7	44.1	24.9	16.0	11.1	8.2	6.3	5.0	4.0	2.6	1.6
087F125-33	235.3	107.5	48.5	27.4	17.6	12.2	9.0	6.9	5.4	4.4	2.9	1.8
087F125-43	298.0	136.0	61.3	34.7	22.3	15.5	11.4	8.7	6.9	5.6	3.6	2.3
087F125-54	355.5	162.6	73.4	41.5	26.6	18.5	13.6	10.4	8.2	6.7	4.3	2.7
150F125-18	112.8	65.3	36.5	23.6	16.5	12.3	9.2	7.0	5.6	4.5	3.1	2.3
150F125-27	241.0	134.5	72.3	45.4	29.7	20.7	15.2	11.7	9.2	7.5	5.2	3.8
150F125-30	286.0	158.2	84.3	52.0	33.4	23.2	17.1	13.1	10.3	8.4	5.8	4.3
150F125-33	338.4	184.9	97.3	57.3	36.8	25.6	18.8	14.4	11.4	9.2	6.4	4.7
150F125-43	509.2	269.5	129.2	73.1	47.0	32.7	24.0	18.4	14.5	11.8	8.2	6.0
150F125-54	694.5	345.9	156.5	88.6	56.9	39.6	29.1	22.3	17.6	14.3	9.9	7.3
L/180 deflection limit												
087F125-18	89.0	47.3	23.1	13.0	8.4	5.8	4.3	3.3	2.5	1.8	1.0	0.7
087F125-27	175.7	86.8	39.1	22.1	14.2	9.9	7.3	5.4	3.8	2.7	1.6	1.0
087F125-30	204.8	97.7	44.1	24.9	16.0	11.1	8.2	5.9	4.1	3.0	1.7	1.1
087F125-33	235.3	107.5	48.5	27.4	17.6	12.2	9.0	6.4	4.5	3.3	1.9	1.2
087F125-43	298.0	136.0	61.3	34.7	22.3	15.5	11.4	8.1	5.7	4.2	2.4	1.5
087F125-54	355.5	162.6	73.4	41.5	26.6	18.5	13.6	9.7	6.8	5.0	2.9	1.8
150F125-18	112.8	65.3	36.5	23.6	16.5	12.3	9.2	7.0	5.6	4.5	3.1	2.3
150F125-27	241.0	134.5	72.3	45.4	29.7	20.7	15.2	11.7	9.2	7.5	5.2	3.5
150F125-30	286.0	158.2	84.3	52.0	33.4	23.2	17.1	13.1	10.3	8.4	5.8	3.8
150F125-33	338.4	184.9	97.3	57.3	36.8	25.6	18.8	14.4	11.4	9.2	6.4	4.2
150F125-43	509.2	269.5	129.2	73.1	47.0	32.7	24.0	18.4	14.5	11.8	8.2	5.4
150F125-54	694.5	345.9	156.5	88.6	56.9	39.6	29.1	22.3	17.6	14.3	9.9	6.6
L/240 deflection limit												
087F125-18	89.0	47.3	23.1	13.0	8.4	5.8	3.9	2.6	1.8	1.3	0.8	0.5
087F125-27	175.7	86.8	39.1	22.1	14.2	9.5	6.0	4.0	2.8	2.1	1.2	0.7
087F125-30	204.8	97.7	44.1	24.9	16.0	10.4	6.6	4.4	3.1	2.2	1.3	0.8
087F125-33	235.3	107.5	48.5	27.4	17.6	11.4	7.2	4.8	3.4	2.5	1.4	0.9
087F125-43	298.0	136.0	61.3	34.7	22.3	14.4	9.1	6.1	4.3	3.1	1.8	1.1
087F125-54	355.5	162.6	73.4	41.5	26.6	17.3	10.9	7.3	5.1	3.7	2.2	1.4
150F125-18	112.8	65.3	36.5	23.6	16.5	12.3	9.2	7.0	5.6	4.5	2.7	1.7
150F125-27	241.0	134.5	72.3	45.4	29.7	20.7	15.2	11.7	9.2	7.2	4.2	2.6
150F125-30	286.0	158.2	84.3	52.0	33.4	23.2	17.1	13.1	10.3	7.9	4.6	2.9
150F125-33	338.4	184.9	97.3	57.3	36.8	25.6	18.8	14.4	11.4	8.7	5.0	3.2
150F125-43	509.2	269.5	129.2	73.1	47.0	32.7	24.0	18.4	14.5	11.1	6.4	4.1
150F125-54	694.5	345.9	156.5	88.6	56.9	39.6	29.1	22.3	17.6	13.5	7.8	4.9
L/360 deflection limit												
087F125-18	89.0	47.3	23.1	13.0	7.2	4.1	2.6	1.7	1.2	0.9	0.5	0.3
087F125-27	175.7	86.8	39.1	21.4	11.0	6.4	4.0	2.7	1.9	1.4	0.8	0.5
087F125-30	204.8	97.7	44.1	23.4	12.0	6.9	4.4	2.9	2.1	1.5	0.9	0.5
087F125-33	235.3	107.5	48.5	25.7	13.2	7.6	4.8	3.2	2.3	1.6	1.0	0.6
087F125-43	298.0	136.0	61.3	32.5	16.6	9.6	6.1	4.1	2.9	2.1	1.2	0.8
087F125-54	355.5	162.6	73.4	39.0	19.9	11.5	7.3	4.9	3.4	2.5	1.4	0.9
150F125-18	112.8	65.3	36.5	23.6	16.5	12.3	9.2	6.1	4.3	3.1	1.8	1.1
150F125-27	241.0	134.5	72.3	45.4	29.7	20.7	14.0	9.4	6.6	4.8	2.8	1.8
150F125-30	286.0	158.2	84.3	52.0	33.4	23.2	15.4	10.3	7.2	5.3	3.1	1.9
150F125-33	338.4	184.9	97.3	57.3</								