

## Allowable Live Loads (psf) - 11 1/4" Open Joist 2000 Live Load Deflection L/ 480

Joist Depth			Dead Load (psf)				Dead Load (psf)				Dead Load (psf)				Dead Load (psf)			
11 1/4 (in)			15	15	15	15	20	20	20	20	25	25	25	25	30	30	30	30
Chord DIM	Lumber Grade	Length (ft)	Spacing (in)				Spacing (in)				Spacing (in)				Spacing (in)			
			12	16	19.2	24	12	16	19.2	24	12	16	19.2	24	12	16	19.2	24
3x2	#2 SPF	10	212	156	128	99	208	151	123	95	203	147	119	91	199	143	114	86
3x2	#2 SPF	11	187	136	112	87	182	132	107	83	178	128	103	78	173	123	99	74
3x2	#2 SPF	12	158	118	99	77	158	116	94	72	157	112	90	68	152	107	85	63
3x2	#2 SPF	13	124	93	77	62	124	93	77	62	124	93	77	57	124	92	72	53
3x2	#2 SPF	14	101	76	63	51	101	76	63	51	101	76	63	48	101	76	62	44
3x2	#2 SPF	15	79	59	49	40	79	59	49	40	79	59	49	40	79	59	49	37
3x2	#2 SPF	16	68	51	42	33	68	51	42	33	68	51	42	33	68	51	42	30
3x2	#2 SPF	17	58	43	36	29	58	43	36	29	58	43	36	29	58	43	36	25
4x2	#2 SPF	18	69	52	43	34	69	52	43	32	69	52	40	27	69	48	35	23
4x2	#2 SPF	19	59	44	37	30	59	44	37	26	59	43	33	22	59	39	28	18
4x2	SPF 2100F 1.8E	20	62	47	39	31	62	47	39	31	62	47	39	29	62	47	38	25
4x2	SPF 2100F 1.8E	21	52	39	33	26	52	39	33	26	52	39	33	26	52	39	33	21
4x2	SPF 2100F 1.8E	22	45	33	28	23	45	33	28	23	45	33	28	22	45	33	28	18

- 1) Table is based on repetitive member use installed in a floor or roof system with minimum 5/8"-inch sheathing attached to the top flanges.
- 2) No increase allowable for repetitive member use or duration of load allowed.
- 3) Allowable load values in the table must be reduced if repetitive member conditions are not met (20 percent for 3x2 and 13 percent for 4x2).
- 3) Loads noted in the table are limited by live load deflection and total load deflection noted.
- 4) Manufactured length refers to overall length which includes the possibility of a 5 1/2-inch bearing on both ends. To calculate the allowable "clear span" subtract 11 inches from the tabulated manufactured length.

