

## Allowable Live Loads (psf) - 11 1/4" Open Joist 2000 Live Load Deflection L/ 360

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	165	121	99	77	161	116	94	72	157	112	90	68	152	107	85	63
3x2	#2 SPF	13	144	105	85	66	140	100	81	62	136	96	77	57	131	92	72	53
3x2	#2 SPF	14	128	92	75	57	123	88	70	53	119	84	66	48	114	79	62	44
3x2	#2 SPF	15	106	79	66	50	106	77	62	46	105	73	57	41	100	69	53	37
3x2	#2 SPF	16	90	68	56	43	90	67	53	39	90	62	48	34	86	58	44	30
3x2	#2 SPF	17	77	58	48	38	77	58	46	33	77	54	41	29	75	49	37	25
4x2	#2 SPF	18	85	61	48	36	81	56	44	32	77	52	40	27	72	48	35	23
4x2	#2 SPF	19	74	52	41	31	70	48	37	26	65	43	33	22	61	39	28	18
4x2	SPF 2100F 1.8E	20	82	62	51	38	82	60	47	33	81	55	42	29	77	51	38	25
4x2	SPF 2100F 1.8E	21	69	52	43	34	69	52	41	30	69	48	37	26	68	44	33	21
4x2	SPF 2100F 1.8E	22	59	44	37	30	59	44	37	26	59	43	33	22	59	39	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.

