

## Allowable Live Loads (psf) - 18" Open Joist 2000 Live Load Deflection L/ 480

Joist Depth			Dead Load (psf)				Dead Load (psf)				Dead Load (psf)				Dead Load (psf)			
18 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
4x2	#2 SPF	10	301	226	188	150	301	226	188	150	301	226	188	150	301	226	188	150
4x2	#2 SPF	11	273	205	171	137	273	205	171	137	273	205	171	137	273	205	171	137
4x2	#2 SPF	12	251	188	157	125	251	188	157	125	251	188	157	125	251	188	157	125
4x2	#2 SPF	13	231	174	145	116	231	174	145	116	231	174	145	116	231	174	145	116
4x2	#2 SPF	14	215	161	134	107	215	161	134	107	215	161	134	107	215	161	134	107
4x2	#2 SPF	15	201	150	125	100	201	150	125	100	201	150	125	100	201	150	125	100
4x2	#2 SPF	16	188	141	118	94	188	141	118	94	188	141	118	94	188	141	118	94
4x2	#2 SPF	17	177	133	111	88	177	133	111	88	177	133	111	88	177	133	111	88
4x2	#2 SPF	18	167	125	104	84	167	125	104	84	167	125	104	84	167	125	104	84
4x2	#2 SPF	19	158	119	99	79	158	119	99	79	158	119	99	79	158	119	99	79
4x2	#2 SPF	20	150	113	94	75	150	113	94	75	150	113	94	75	150	113	94	75
4x2	#2 SPF	21	143	107	90	72	143	107	90	72	143	107	90	72	143	107	90	72
4x2	#2 SPF	22	137	103	85	68	137	103	85	68	137	103	85	68	137	103	85	68
4x2	2100 SPF	23	98	74	61	49	98	74	61	49	98	74	61	49	98	74	61	49
4x2	2100 SPF	24	94	71	59	47	94	71	59	47	94	71	59	47	94	71	59	47
4x2	2100 SPF	25	90	68	57	45	90	68	57	45	90	68	57	45	90	68	57	45
4x2	2100 SPF	26	87	65	54	44	87	65	54	44	87	65	54	44	87	65	54	44
4x2	2400 SPF	27	79	59	49	39	79	59	49	39	79	59	49	39	79	59	49	39
4x2	2400 SPF	28	76	57	47	38	76	57	47	38	76	57	47	38	76	57	47	38
4x2	2400 SPF	29	73	55	46	37	73	55	46	37	73	55	46	37	73	55	46	37
4x2	2400 SPF	30	58	44	36	29	58	44	36	29	58	44	36	29	58	44	36	29
4x2	2400 SPF	31	57	42	35	28	57	42	35	28	57	42	35	28	57	42	35	28

- 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.