

Allowable Uniform Loads

1.6E Beam-Floor 100%

ALLOWABLE UNIFORM LOADS* – POUNDS PER LINEAL FOOT

ONE x 1 3/4" 1.6E PWLVL

Span (ft)	Key	3 1/2"	5 1/2"	7 1/4"	9 1/4"	9 1/2"	11 1/4"	11 1/2"	14"
6	LL	64	250	572	-	-	-	-	-
	TL	95	372	615	829	857	1068	1149	1448
	BRG	1.5/3	1.5/3	1.5/3.5	1.9/4.8	2/4.9	2.5/6.1	2.6/6.6	3.3/8.3
7	LL	41	157	360	-	-	-	-	-
	TL	53	208	479	684	707	873	936	1165
	BRG	1.5/3	1.5/3	1.5/3.2	1.8/4.6	1.9/4.7	2.3/5.9	2.5/6.3	3.1/7.8
8	LL	-	105	241	501	543	-	-	-
	TL	-	121	279	583	601	738	789	974
	BRG	-	1.5/3	1.5/3	1.8/4.5	1.8/4.6	2.3/5.7	2.4/6.1	3/7.5
9	LL	-	74	169	352	381	633	-	-
	TL	-	75	173	483	506	639	682	836
	BRG	-	1.5/3	1.5/3	1.7/4.2	1.7/4.4	2.2/5.5	2.4/5.9	2.9/7.2
10	LL	-	-	-	256	278	461	543	-
	TL	-	48	112	381	409	556	600	733
	BRG	-	1.5/3	1.5/3	1.5/3.7	1.6/3.9	2.1/5.3	2.3/5.8	2.8/7
11	LL	-	-	-	193	209	347	408	-
	TL	-	32	76	285	309	458	506	652
	BRG	-	1.5/3	1.5/3	1.5/3	1.5/3.3	1.9/4.9	2.1/5.4	2.8/6.9
12	LL	-	-	-	148	161	267	314	515
	TL	-	-	53	218	237	384	424	571
	BRG	-	1.5/3	1.5/3	1.5/3	1.5/3	1.8/4.4	2/4.9	2.6/6.6
13	LL	-	-	-	117	126	210	247	405
	TL	-	-	37	171	185	310	360	486
	BRG	-	1.5/3	1.5/3	1.5/3	1.5/3	1.6/3.9	1.8/4.5	2.4/6.1
14	LL	-	-	-	93	101	168	198	324
	TL	-	-	27	136	148	247	291	418
	BRG	-	1.5/3	1.5/3	1.5/3	1.5/3	1.5/3.4	1.6/4	2.3/5.7
15	LL	-	-	-	76	82	137	161	263
	TL	-	-	-	110	119	200	236	363
	BRG	-	-	-	1.5/3	1.5/3	1.5/3	1.5/3.4	2.1/5.3
16	LL	-	-	-	63	68	113	132	217
	TL	-	-	-	90	97	164	193	318
	BRG	-	-	-	1.5/3	1.5/3	1.5/3	1.5/3	2/4.9
17	LL	-	-	-	52	57	94	110	181
	TL	-	-	-	74	81	136	160	265
	BRG	-	-	-	1.5/3	1.5/3	1.5/3	1.5/3	1.8/4.4
18	LL	-	-	-	44	48	79	93	152
	TL	-	-	-	62	67	114	134	222
	BRG	-	-	-	1.5/3	1.5/3	1.5/3	1.5/3	1.6/3.9
19	LL	-	-	-	-	41	67	79	130
	TL	-	-	-	-	56	96	113	188
	BRG	-	-	-	-	1.5/3	1.5/3	1.5/3	1.5/3.5
20	LL	-	-	-	-	-	58	68	111
	TL	-	-	-	-	-	81	96	160
	BRG	-	-	-	-	-	1.5/3	1.5/3	1.5/3.2
21	LL	-	-	-	-	-	50	59	96
	TL	-	-	-	-	-	70	83	138
	BRG	-	-	-	-	-	1.5/3	1.5/3	1.5/3
22	LL	-	-	-	-	-	43	51	84
	TL	-	-	-	-	-	60	71	119
	BRG	-	-	-	-	-	1.5/3	1.5/3	1.5/3
23	LL	-	-	-	-	-	-	45	73
	TL	-	-	-	-	-	-	62	103
	BRG	-	-	-	-	-	-	1.5/3	1.5/3
24	LL	-	-	-	-	-	-	-	64
	TL	-	-	-	-	-	-	-	90
	BRG	-	-	-	-	-	-	-	1.5/3
25	LL	-	-	-	-	-	-	-	57
	TL	-	-	-	-	-	-	-	79
	BRG	-	-	-	-	-	-	-	1.5/3
26	LL	-	-	-	-	-	-	-	51
	TL	-	-	-	-	-	-	-	70
	BRG	-	-	-	-	-	-	-	1.5/3
27	LL	-	-	-	-	-	-	-	45
	TL	-	-	-	-	-	-	-	61
	BRG	-	-	-	-	-	-	-	1.5/3
28	LL	-	-	-	-	-	-	-	41
	TL	-	-	-	-	-	-	-	54
	BRG	-	-	-	-	-	-	-	1.5/3
29	LL	-	-	-	-	-	-	-	-
	TL	-	-	-	-	-	-	-	-
	BRG	-	-	-	-	-	-	-	-
30	LL	-	-	-	-	-	-	-	-
	TL	-	-	-	-	-	-	-	-
	BRG	-	-	-	-	-	-	-	-

* Can be applied to the beam in addition to its own weight.
Simple or multiple beam spans.

2 plies minimum for depths greater than 14 inches.

Wax-based sealer applied to mitigate moisture issues associated with wood products during storage and construction.

Key to Table:

LL = Maximum live load - limits deflection to L/360

TL = Maximum total load - limits deflections to L/240 (or a maximum of 0.3125" for beams 7 1/4" deep or less)

BRG = Required end / intermediate bearing length (inches), based on bearing stress of 750 psi.

