

BOOZERBEAM™

WINDOW AND DOOR HEADERS

1.6E • 1800F_b

- Stronger than 1.3E TimberStrand (LSL) and headers made in the field from 2-ply dimension lumber.
- Less expensive than LSL, LVL and PSL.
- Exceptional value in cost vs. performance.
- Unlike field made headers, these require no assembly at all. Just measure, cut and install. Saves time and money!
- Available in lengths from 6' up to 52'.
- More dimensionally stable than headers made from dimension lumber. Consistently straight and true.
- Constant 3 1/2" widths match 4" framing and require no blocking. Also available in 5 1/2" Widths
- Quality inspected by APA-The Engineered Wood Association.



**HANDCRAFTED WITH PRIDE
IN THE U.S.A.**



NORTH AMERICAN
WHOLESALE LUMBER
ASSOCIATION



BOOZERBEAM 1.6E Window and Door Headers are available in 3 1/2" widths and depths that are compatible with I-Joists, conventional framing and traditional glulam. Standard depths include:

5 1/2" 7" 7 1/4" 7 1/2" 8 3/8" 9 1/4" 9 1/2" 11 1/4" 11 7/8" 14" 16"

Other depths available upon request.

Please contact your nearest **BOOZERBEAM** dealer for sizes available in your market.

BOOZERBEAM HOLDS UP!



1800Fb-1.6E-300Fv Southern Pine Glulam Roof Beams (lbf/ft) – Snow Load

Load Duration Factor = 1.15, F_{bx} = 1,800 psi, F_{vx} = 300 psi, E_x = 1,600,000 psi

3-1/2-INCH WIDTH		SPAN (ft)																			
Depth (in.)	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
4-1/4	905	400	204	102	58	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-1/2	1517	672	376	225	128	79	51	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	2459	1090	610	388	268	167	110	75	53	---	---	---	---	---	---	---	---	---	---	---	---
7-1/4	2638	1169	655	417	287	186	122	84	60	---	---	---	---	---	---	---	---	---	---	---	---
8-3/8	3522	1561	875	557	385	281	191	132	94	69	51	---	---	---	---	---	---	---	---	---	---
9-1/4	4297	1905	1068	681	470	343	259	180	129	95	71	54	---	---	---	---	---	---	---	---	---
9-1/2	4532	2010	1127	718	496	362	275	195	140	103	77	59	---	---	---	---	---	---	---	---	---
11-1/4	6358	2820	1582	1009	698	510	388	305	236	175	133	102	80	63	50	---	---	---	---	---	---
11-7/8	7084	3143	1763	1125	778	569	433	340	273	207	157	121	95	75	60	---	---	---	---	---	---
12-5/8	8008	3553	1994	1272	880	644	490	385	310	250	190	147	116	92	74	60	---	---	---	---	---
14	9849	4371	2453	1566	1083	793	604	475	382	314	262	204	161	128	104	84	69	57	---	---	---
15-3/8	11880	5273	2960	1889	1308	957	730	574	462	380	317	267	215	173	140	114	94	78	65	54	---
16	12866	5710	3206	2047	1417	1037	791	622	501	412	343	289	244	196	159	130	107	89	74	62	52
16-1/2	13683	6073	3410	2177	1508	1104	842	662	533	438	365	307	262	216	175	144	119	99	83	69	58
18	16286	7229	4060	2592	1796	1315	1003	789	636	521	434	366	312	269	230	189	157	131	110	93	79

5-1/2-INCH WIDTH		SPAN (ft)																			
Depth (in.)	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
4-1/4	1422	629	320	161	91	55	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-1/2	2384	1055	590	354	202	124	81	54	---	---	---	---	---	---	---	---	---	---	---	---	---
7	3864	1712	959	610	421	262	172	118	84	60	---	---	---	---	---	---	---	---	---	---	---
7-1/4	4146	1837	1029	655	452	292	192	132	94	68	---	---	---	---	---	---	---	---	---	---	---
8-3/8	5534	2453	1375	876	605	441	300	207	148	108	81	61	---	---	---	---	---	---	---	---	---
9-1/4	6752	2994	1678	1070	739	540	407	282	202	149	112	85	66	51	---	---	---	---	---	---	---
9-1/2	7122	3158	1771	1129	780	569	433	306	220	162	122	93	72	56	---	---	---	---	---	---	---
11-1/4	9991	4432	2486	1586	1096	801	610	479	371	275	208	161	125	99	79	63	51	---	---	---	---
11-7/8	11133	4939	2771	1768	1222	894	680	534	429	325	247	191	149	118	95	76	62	---	---	---	---
12-5/8	12584	5583	3133	1999	1383	1011	770	605	485	393	299	231	182	145	116	94	76	62	51	---	---
14	15477	6868	3855	2460	1703	1246	949	743	595	486	404	320	252	202	163	132	109	89	74	61	51
15-3/8	18668	8285	4651	2969	2055	1505	1144	894	716	586	486	410	339	271	220	180	148	123	102	85	72
16	20218	8974	5038	3216	2227	1630	1238	967	775	634	527	444	378	308	250	204	169	140	117	98	82
16-1/2	21502	9544	5359	3421	2369	1734	1315	1028	824	674	560	472	402	339	275	226	187	155	130	109	92
18	25592	11360	6379	4074	2822	2059	1560	1220	978	800	665	561	478	412	358	298	247	206	173	146	124

- Notes:
- (1) For preliminary design use only. Final design should include a complete analysis, including bearing stresses and lateral stability.
 - (2) Span = simply supported beam.
 - (3) Maximum deflection = L/180 under total load. Other deflection limits may apply.
 - (4) Service condition = dry.
 - (5) Tabulated values represent total loads and have taken the dead weight of the beam (assumed 36 pcf) into account.
 - (6) Sufficient bearing length shall be provided at supports
 - (7) Maximum beam shear is located at a distance from the supports equal to the depth of the beam.
 - (8) Upper-right areas limited by deflection; lower-left areas limited by bending strength.



1800Fb-1.6E-300Fv Southern Pine Glulam Floor Beams (lb/ft)

Load Duration Factor = 1.0, Fbx = 1,800 psi, Fvx = 300 psi, Ex = 1,600,000 psi

3-1/2-INCH WIDTH		SPAN (ft)																				
Depth (in.)	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	
4-1/4	787	303	126	63	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-1/2	1319	583	276	139	78	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	2138	947	530	290	165	102	66	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7-1/4	2293	1016	569	323	184	114	74	50	---	---	---	---	---	---	---	---	---	---	---	---	---	---
8-3/8	3061	1357	760	484	286	178	117	80	56	---	---	---	---	---	---	---	---	---	---	---	---	---
9-1/4	3735	1656	928	591	388	241	159	109	77	56	---	---	---	---	---	---	---	---	---	---	---	---
9-1/2	3940	1747	979	623	420	262	173	119	84	61	---	---	---	---	---	---	---	---	---	---	---	---
11-1/4	5527	2451	1374	876	605	439	291	201	144	106	79	60	---	---	---	---	---	---	---	---	---	---
11-7/8	6159	2732	1532	977	675	493	343	238	171	126	94	72	56	---	---	---	---	---	---	---	---	---
12-5/8	6962	3088	1732	1105	764	558	414	287	206	152	115	88	68	53	---	---	---	---	---	---	---	---
14	8563	3799	2132	1360	941	688	524	394	284	210	159	123	96	76	60	---	---	---	---	---	---	---
15-3/8	10329	4583	2572	1641	1136	831	633	497	379	282	214	165	130	103	82	66	54	---	---	---	---	---
16	11186	4964	2786	1778	1230	900	686	539	428	318	242	187	147	117	94	76	62	51	---	---	---	---
16-1/2	11897	5279	2963	1891	1309	958	730	574	462	350	266	206	162	129	104	84	69	56	---	---	---	---
18	14159	6284	3528	2252	1559	1141	870	684	551	451	349	271	214	171	138	112	92	76	63	52	---	---

5-1/2-INCH WIDTH		SPAN (ft)																				
Depth (in.)	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	
4-1/4	1236	477	198	98	54	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
5-1/2	2072	917	434	218	123	75	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7	3359	1488	833	456	260	160	104	70	---	---	---	---	---	---	---	---	---	---	---	---	---	---
7-1/4	3604	1596	893	508	290	179	116	79	55	---	---	---	---	---	---	---	---	---	---	---	---	---
8-3/8	4811	2132	1194	760	450	279	183	125	88	63	---	---	---	---	---	---	---	---	---	---	---	---
9-1/4	5870	2602	1458	928	609	379	250	172	122	88	65	---	---	---	---	---	---	---	---	---	---	---
9-1/2	6192	2745	1538	980	661	411	271	187	132	96	71	53	---	---	---	---	---	---	---	---	---	---
11-1/4	8686	3852	2160	1377	951	689	457	316	226	166	124	95	73	56	---	---	---	---	---	---	---	---
11-7/8	9678	4292	2407	1535	1061	775	539	374	268	197	148	113	87	68	53	---	---	---	---	---	---	---
12-5/8	10941	4853	2722	1736	1200	877	650	451	324	239	180	138	107	84	66	52	---	---	---	---	---	---
14	13456	5970	3350	2137	1478	1081	823	620	447	331	250	193	151	119	94	76	61	---	---	---	---	---
15-3/8	16231	7202	4042	2579	1785	1306	992	775	596	442	336	260	204	162	129	104	85	69	56	---	---	---
16	17578	7800	4378	2794	1934	1415	1073	838	671	500	380	294	231	184	148	120	97	79	65	53	---	---
16-1/2	18695	8296	4657	2972	2057	1505	1140	891	713	550	419	324	255	203	163	133	108	88	73	60	---	---
18	22250	9875	5544	3539	2450	1787	1353	1058	847	693	548	426	336	269	217	177	145	120	99	82	68	---

- Notes:
- (1) For preliminary design use only. Final design should include a complete analysis, including bearing stresses and lateral stability.
 - (2) Span = simply supported beam.
 - (3) Maximum deflection = L/360 under live load, based on live/total load = 0.8. Where additional stiffness is desired or for other live/total load ratios, design for deflection must be modified per requirements.
 - (4) Service condition = dry.
 - (5) Tabulated values represent total loads based on live/total load = 0.8 and have taken the dead weight of the beam (assumed 36 pcf) into account.
 - (6) Sufficient bearing length shall be provided at supports
 - (7) Maximum beam shear is located at a distance from the supports equal to the depth of the beam.
 - (8) Upper-right areas limited by deflection; lower-left areas limited by bending strength.