

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.

BOOZERBEAM™

INSTALLATION AND STORAGE REQUIREMENTS AND USE MEASURES APPLICABLE TO ALL BOOZER PRODUCTS.

(Revised as of January 18, 2019)

Specific use, storage and installation requirements and instructions applicable to all Boozer products, including but not limited to Boozer Glued Laminated Timber Beams, Treated Beams, Columns, Joists, and Headers (the “Product”) may be found at <http://boozer-beam.com/products/>. The following precautions should be taken both when handling any BoozerBeam™ Product and in determining where to use and dispose of the Product. These requirements and instructions are provided as part of and incorporated by reference into Boozer’s Limited Warranty.

- The Product should not be exposed to the elements (sun, rain, snow, water, moisture, excessive heat, excessive cold, etc.), other than very short periods prior to installation.
- The Product should not be used in direct water or marine applications, below grade, or in applications in which the Product is in direct contact with the soil. Columns may be installed on concrete if a installed onto a metal plate that separates the columns from the concrete.
- The Product should not be used where it will be in frequent or prolonged contact with bare skin, unless an effective sealer has been applied.
- The Product is not suitable for food garden uses.
- All shipping containers, plastic, or other wrapping applied during shipment should be removed from the Product prior to installation.
- Do not use the Product for cutting-boards or countertops.
- For all interior applications, the purchaser is responsible for ensuring that the installation of a treated product complies with all applicable indoor air quality standards (IAQs) as prescribed by the federal or applicable state or local regulatory authority.
- Dispose of the Product by ordinary trash collection or burial. Treated wood should not be burned in open fires or in stoves, fireplaces, or residential boilers because toxic chemicals may be produced as part of the smoke and ashes. Treated wood from commercial or industrial use (e.g., construction sites) may be burned only in commercial or industrial incinerators or boilers in accordance with state and federal regulations.
- Avoid frequent or prolonged inhalation of sawdust from the Product. When sawing and machining treated wood, wear a dust mask. Whenever possible, these operations should be performed outdoors to avoid indoor accumulations of airborne sawdust from treated wood.
- When power sawing and machining, wear goggles to protect eyes from flying particles.
- After working with the Product, and before eating, drinking, and use of tobacco products, wash all exposed skin areas thoroughly and completely.
- If oily preservatives or Product sawdust accumulate on clothes, launder before reuse of the clothes. Work clothes exposed to the Product or its sawdust or preservatives should be washed separately from other clothing.
- While in storage, the Product should be kept dry and under cover and not be exposed to standing water or marine conditions.
- It is the purchaser and intended user of the Product’s sole responsibility to install the Product correctly and to select the proper-sized Product for its/his/her intended use.
- When storing a Product for any extended amount of time, the Product should be stored on its down-side, with gravity acting on the Product as it would in its eventual installation.
- All Products should be installed with the standard, as-designed orientation (e.g., for Beams, with the narrow side down). For Products with a specific or designated orientation instruction (which should appear on the Product), that instruction should be strictly followed.

BOOZER BEAM™

LIMITED WARRANTY

(Revised as of January 18, 2019)

1. **LIMITED WARRANTY COVERAGE:** Boozer Laminated Beam Company, Inc. (“Boozer”) warrants (for installation within the U.S.) to the purchaser and all transferees prior to and including the first owner of the structure to which the Product (as hereafter defined) is properly installed (each a “Covered Person”) that each Product sold by Boozer, including but not limited to Boozer Glued Laminated Timber Beams, Treated Beams, Columns, Joists, and Headers (the “Product”), when manufactured is free from defects in material and manufacture and, when used for its intended purpose and in accordance with Boozer’s installation and use requirements, will perform in accordance with the published Product specifications. This Limited Warranty only covers defects and failures of the Product that result in structural failure of the Product. If the Product is defective in material or manufacture (when used for its intended purpose and in accordance with Boozer’s installation and use requirements), Boozer will replace the Product with a non-defective Product (or equivalent product, if the Product is no longer available) at no charge. Boozer’s replacement of the defective Product pursuant to this Section 1 of this Limited Warranty SHALL BE THE SOLE AND EXCLUSIVE REMEDY available to the Covered Person with respect to defects in material or manufacture or any performance of the Product that is not in accordance with relevant specifications. Boozer will not refund or pay any costs in connection with labor or accessory materials or for any other damages regardless of whether caused by the Product or otherwise.

2. **CONDITIONS OF WARRANTY:** Boozer’s liability hereunder to the Covered Person shall be subject to the following terms and conditions:
 - (a) The claimant must provide reasonable proof that he/she is a Covered Person.
 - (b) The Product must be properly stored and installed in accordance with Boozer’s installation, storage and use requirements (available at: <http://boozerbeam.com/products/>) and all applicable building codes, rules, and ordinances (“Applicable Building Rules”) adopted by federal, state or local governments or government agencies and applicable to the installation. Failure to install the Product in accordance with Boozer’s installation requirements and all Applicable Building Rules voids this Limited Warranty.
 - (c) The Covered Person must provide written notice of any claim under this Limited Warranty to Boozer within 45 days after discovery of any claimed Product failure covered by this Limited Warranty and before beginning any permanent repair. The notice must describe the location of the Product, details of the failure, and provide all information necessary for Boozer to investigate the claim. Photos of the Product, showing defect or failure, should accompany the notice. Before any permanent repair, the Covered Person must allow Boozer or Boozer’s agent to enter the property and structure where the Product is installed, and examine, photograph and take samples of the Product.
 - (d) Upon discovery of a possible Product defect or failure, the Covered Person must immediately, and at the Covered Person’s own expense, provide for protection of all property that could be affected until the problem or failure is remedied.
 - (e) Only defects and failures that result in the structural failure of the Product are covered by this Limited Warranty

3. **EXCLUSIONS:** This Limited Warranty does not cover loss, damage or defects resulting from or in any way attributable to: (a) any Product failure due to any reason other than structural failure or defect in material and manufacture; (b) the improper storage, shipping, handling or installation of the Product (including, without limitation, failure of the Product to be installed in strict compliance with Boozer’s installation, storage and use requirements and all Applicable Building Rules) or improper installation of other accessories; (c) repair or alteration of the Product; (d) settlement or structural movement or movement of materials to which the Product is attached; (e) damage from incorrect or improper design of the structure; (f) exceeding any applicable maximum designed weight or wind loads; (g) acts of God including, but not limited to, hurricanes, tornados, floods, earthquakes, extreme weather or other natural phenomena, (including, but not limited to, unusual climate conditions); (h) performance of any paints or coatings; (i) lack of proper maintenance; (j) damage during the construction process; (k) damage caused by the weathering of the Product including, but not limited to including but not limited to, raised grain, splitting, checking, twisting, warping, shrinkage, swelling; or de-lamination; (l) damage caused by the use of inappropriate fasteners; (m) any Product failure or damage due to water or marine applications; (n) discoloration or minor cosmetic defects; (o) failure due to moisture or exposure to elements; (p) wet use applications or any application in which the Product is enclosed and moisture cannot naturally evaporate from the Product; (q) any application in which the Product is in direct contact with the ground (except, in the case of Treated Columns, when the column is mounted on a metal plate on a concrete slab, in accordance with Boozer’s general and specific installation requirements and Applicable Building Rules); (r) failures or defects if the Product is subjected to further processing or alteration after shipment; (s) damage due to fungal decay of or termite attack (any such warranty on a Treated Product will be provided, if at all, by a third-party applicator as provided in Paragraph 4, below); (t) any unapproved pressure or topical treatment; or (u) any other neglect, abuse, or misuse by the Covered Person or a third party. In addition, only defects and failures of the Product that result in the structural failure of the Product are covered by this Limited Warranty.

4. TREATED PRODUCTS ONLY: To the extent a Covered Person has purchased or possesses a Boozer Product that has been treated with a chemical designed to deter or prevent insect damage or fungal growth on the Product (a "Treated Product"), Boozer assigns to such Covered Person any and all warranties applicable to the Treated Product, if any, against fungal damage or insect attack provided to Boozer from the manufacturers and applicators of such product.
5. DISCLAIMER: The statements in this Limited Warranty constitute the only warranty extended by Boozer for the Product. BOOZER DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT AS PROVIDED BY APPLICABLE STATE LAW IN WHICH CASE THE DURATION OF ANY APPLICABLE IMPLIED WARRANTIES ARE LIMITED TO THE FULLEST EXTENT ALLOWED BY APPLICABLE LAW. NO OTHER WARRANTY IS OR WILL BE MADE BY OR ON BEHALF OF THE MANUFACTURER OR THE SELLER OR BY OPERATION OF LAW OR BY USAGE OF TRADE OR COURSE OF DEALING WITH RESPECT TO THE PRODUCT OR ITS INSTALLATION, STORAGE, HANDLING, MAINTENANCE, USE, REPLACEMENT OR REPAIR.
6. EXCLUSION OF INCIDENTAL AND CONSEQUENTIAL DAMAGES: EXCEPT AS EXPRESSLY OVERRIDDEN BY APPLICABLE LAW, IN NO EVENT WILL BOOZER BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM NONDELIVERY OR FROM THE USE, MISUSE, OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT.
7. SETTLEMENT OF CLAIM: Any warranty payment or material replacement by Boozer pursuant to Section 1 hereof shall constitute a full settlement and release of all claims of any Covered Person or their successors and assigns hereunder for damages or other relief, and shall be a complete bar to any litigation arising out of this warranty or the Covered Person's purchase or use of the Product filed subsequent to the Covered Person's acceptance of such compensation.