

BOOZERBEAM™

I-JOIST COMPATIBLE GLULAM BEAM

1.8E • 2400F_b

Our 1.8E BOOZERBEAM-IJC is a structural glulam beam that is made of Southern Yellow Pine lumber and waterproof adhesive. It is clearly stronger and stiffer than 1.7E TimberStrand, 1.8E LVL and 1.8E/24F glulam beams. Made of the finest southern yellow pine lumber and waterproof adhesive available. It can be seamlessly integrated into any engineered wood system. Substituted for LVL and PSL in I-joint systems, the 1.8E BOOZERBEAM is much more cost effective because it is both stronger and lower in cost.



- Stronger and stiffer than 1.7E TimberStrand (LSL), 1.8E LVL and 1.8E/24F glulam beams.
- Less expensive than LVL and PSL.
- Exceptional value in cost vs. performance.
- I-Joist compatible (IJC) depths for seamless substitution.
- Available in any length up to 52'.
- Individually wrapped or bundle wrapped with water resistant paper.
- LiquiSeal™ wax coating available.
- Made of the finest southern yellow pine lumber and waterproof adhesive available.
- Quality inspected by APA-The Engineered Wood Association.

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



The **1.8E BOOZERBEAM-IJC** is available in widths of: 3 1/2" 5 1/4" 5 1/2" & 7"
and depths that are compatible with I-joists, conventional framing and traditional glulam.

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

BOOZERBEAM HOLDS UP!



2400Fb-1.8E-300Fv Southern Pine Glulam Roof Beams (lb/ft) – Construction Load

Load Duration Factor = 1.25, Fbx = 2,400 psi, Fvx = 300 psi, Ex = 1,800,000 psi

3-1/2-INCH WIDTH																					
Depth (in.)	SPAN (ft)																				
	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
9-1/4	1552	990	685	441	292	203	146	108	81	62	---	---	---	---	---	---	---	---	---	---	---
9-1/2	1637	1045	723	478	317	220	158	117	88	68	52	---	---	---	---	---	---	---	---	---	---
11-1/4	2297	1467	1016	744	531	370	267	198	150	116	91	72	58	---	---	---	---	---	---	---	---
11-7/8	2560	1635	1132	829	626	436	315	234	178	138	108	86	69	56	---	---	---	---	---	---	---
14	3561	2274	1576	1154	881	694	521	389	297	231	182	146	118	96	79	66	54	---	---	---	---
16	4653	2973	2060	1510	1153	908	733	584	447	349	276	222	180	148	123	102	86	72	61	51	---
18	5891	3764	2609	1913	1461	1151	929	762	635	500	398	320	261	215	179	150	126	107	91	77	66

5-7/16-INCH WIDTH																					
Depth (in.)	SPAN (ft)																				
	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
9-1/4	2411	1538	1064	684	454	315	227	167	126	96	75	58	---	---	---	---	---	---	---	---	---
9-1/2	2543	1623	1123	742	493	342	246	182	137	105	81	64	50	---	---	---	---	---	---	---	---
11-1/4	3569	2279	1578	1155	825	575	415	308	234	180	141	112	90	72	58	---	---	---	---	---	---
11-7/8	3977	2540	1759	1288	972	678	490	364	277	214	168	134	107	87	71	58	---	---	---	---	---
14	5532	3533	2448	1793	1369	1074	810	604	461	358	283	227	183	150	123	102	85	70	59	---	---
16	7228	4618	3200	2346	1784	1397	1121	908	694	541	429	345	280	230	190	159	133	112	94	80	68
18	9151	5848	4054	2963	2247	1760	1413	1158	965	777	618	498	406	334	278	232	196	166	141	120	103

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.



2400Fb-1.8E-300Fv Southern Pine Glulam Roof Beams (lb/ft) – Snow Load

Load Duration Factor = 1.15, Fbx = 2,400 psi, Fvx = 300 psi, Ex = 1,800,000 psi

3-1/2-INCH WIDTH		SPAN (ft)																				
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
9-1/4	1427	910	630	441	292	203	146	108	81	62	---	---	---	---	---	---	---	---	---	---	---	---
9-1/2	1505	960	664	478	317	220	158	117	88	68	52	---	---	---	---	---	---	---	---	---	---	---
11-1/4	2113	1349	934	683	521	370	267	198	150	116	91	72	58	---	---	---	---	---	---	---	---	---
11-7/8	2355	1503	1041	762	581	436	315	234	178	138	108	86	69	56	---	---	---	---	---	---	---	---
14	3275	2091	1449	1061	810	637	514	389	297	231	182	146	118	96	79	66	54	---	---	---	---	---
16	4279	2734	1894	1388	1059	834	673	554	447	349	276	222	180	148	123	102	86	72	61	51	---	---
18	5418	3462	2399	1759	1343	1058	854	700	583	493	398	320	261	215	179	150	126	107	91	77	66	---

5-7/16-INCH WIDTH		SPAN (ft)																				
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	
9-1/4	2217	1414	978	684	454	315	227	167	126	96	75	58	---	---	---	---	---	---	---	---	---	---
9-1/2	2339	1492	1032	742	493	342	246	182	137	105	81	64	50	---	---	---	---	---	---	---	---	---
11-1/4	3282	2095	1450	1061	809	575	415	308	234	180	141	112	90	72	58	---	---	---	---	---	---	---
11-7/8	3658	2335	1617	1184	902	678	490	364	277	214	168	134	107	87	71	58	---	---	---	---	---	---
14	5088	3249	2251	1648	1258	987	791	604	461	358	283	227	183	150	123	102	85	70	59	---	---	---
16	6648	4247	2943	2156	1640	1283	1030	843	694	541	429	345	280	230	190	159	133	112	94	80	68	---
18	8417	5378	3727	2724	2066	1617	1298	1064	886	748	618	498	406	334	278	232	196	166	141	120	103	---

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.



2400Fb-1.8E-300Fv Southern Pine Glulam Floor Beams (lb/ft)

Load Duration Factor = 1.0, Fbx = 2,400 psi, Fvx = 300 psi, Ex = 1,800,000 psi

3-1/2-INCH WIDTH		SPAN (ft)																			
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
9-1/4	1240	761	437	272	180	124	88	64	---	---	---	---	---	---	---	---	---	---	---	---	---
9-1/2	1308	825	474	295	195	135	96	70	52	---	---	---	---	---	---	---	---	---	---	---	---
11-1/4	1836	1171	791	495	328	228	163	120	90	69	53	---	---	---	---	---	---	---	---	---	---
11-7/8	2046	1306	904	583	387	269	193	143	107	82	64	---	---	---	---	---	---	---	---	---	---
14	2846	1817	1258	921	639	445	321	238	181	140	109	87	69	56	---	---	---	---	---	---	---
16	3719	2375	1645	1205	919	669	484	360	274	213	167	133	108	87	71	59	---	---	---	---	---
18	4709	3008	2084	1527	1166	918	693	517	394	307	243	194	157	129	106	88	73	61	51	---	---

5-7/16-INCH WIDTH		SPAN (ft)																			
Depth (in.)	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
9-1/4	1926	1183	679	423	279	192	137	100	74	55	---	---	---	---	---	---	---	---	---	---	---
9-1/2	2032	1282	737	459	303	209	149	109	81	61	---	---	---	---	---	---	---	---	---	---	---
11-1/4	2852	1820	1229	768	510	353	254	187	140	107	83	64	50	---	---	---	---	---	---	---	---
11-7/8	3179	2029	1404	906	601	418	300	221	167	128	99	78	61	---	---	---	---	---	---	---	---
14	4422	2823	1955	1431	993	692	499	370	281	217	170	134	107	86	70	57	---	---	---	---	---
16	5778	3690	2556	1872	1423	1039	752	559	426	330	260	207	167	136	111	91	75	62	51	---	---
18	7316	4674	3238	2365	1793	1403	1077	803	613	477	377	302	244	200	164	136	113	94	79	66	55

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.