

ESR-1866

Used for Florida State Wide Product
Approval #

FL11166

SIMPSON

Strong-Tie

®

Products on this Report which are
approved:

**SIMPSON STRONG-TIE COMPANY,
INC**

| <u>Product</u> | <u>FL#</u> | <u>Product</u> | <u>FL#</u> | <u>Product</u> | <u>FL#</u> |
|----------------|------------|----------------|------------|----------------|------------|
| B1.56/11.25 | 11166.1 | B3.56/24 | 11166.6 | B614 | 11166.11 |
| B1.56/11.88 | 11166.1 | B3.56/26 | 11166.6 | B616 | 11166.11 |
| B1.56/9.25 | 11166.1 | B3.56/28 | 11166.6 | B68 | 11166.11 |
| B1.81/11.88 | 11166.2 | B3.56/30 | 11166.6 | B7.12/11.25 | 11166.12 |
| B1.81/14 | 11166.2 | B3.56/9.25 | 11166.6 | B7.12/11.88 | 11166.12 |
| B1.81/16 | 11166.2 | B3.56/9.5 | 11166.6 | B7.12/14 | 11166.12 |
| B1.81/9.5 | 11166.2 | B310 | 11166.7 | B7.12/16 | 11166.12 |
| B2.37/11.25 | 11166.3 | B312 | 11166.7 | B7.12/18 | 11166.12 |
| B2.37/11.88 | 11166.3 | B314 | 11166.7 | B7.12/20 | 11166.12 |
| B2.37/14 | 11166.3 | B316 | 11166.7 | B7.12/22 | 11166.12 |
| B2.37/16 | 11166.3 | B4.75/11.88 | 11166.8 | B7.12/24 | 11166.12 |
| B2.37/18 | 11166.3 | B4.75/14 | 11166.8 | B7.12/26 | 11166.12 |
| B2.37/20 | 11166.3 | B4.75/16 | 11166.8 | B7.12/28 | 11166.12 |
| B2.56/11.88 | 11166.4 | B4.75/18 | 11166.8 | B7.12/9.25 | 11166.12 |
| B2.56/14 | 11166.4 | B4.75/20 | 11166.8 | B7.12/9.5 | 11166.12 |
| B2.56/16 | 11166.4 | B4.75/9.5 | 11166.8 | BA1.81/11.88 | 11166.13 |
| B2.56/18 | 11166.4 | B410 | 11166.9 | BA2.56/11.88 | 11166.13 |
| B2.56/20 | 11166.4 | B412 | 11166.9 | BA2.56/14 | 11166.13 |
| B2.56/22 | 11166.4 | B414 | 11166.9 | BA2.56/16 | 11166.13 |
| B2.56/24 | 11166.4 | B416 | 11166.9 | BA3.56/11.88 | 11166.13 |
| B2.56/26 | 11166.4 | B48 | 11166.9 | BA3.56/14 | 11166.13 |
| B2.56/28 | 11166.4 | B5.12/11.88 | 11166.10 | BA3.56/16 | 11166.13 |
| B2.56/30 | 11166.4 | B5.12/14 | 11166.10 | BA410 | 11166.13 |
| B3.12/11.25 | 11166.5 | B5.12/16 | 11166.10 | BA412 | 11166.13 |
| B3.12/11.88 | 11166.5 | B5.12/18 | 11166.10 | BA48 | 11166.13 |
| B3.12/9.25 | 11166.5 | B5.12/20 | 11166.10 | FA6 | 10866.1 |
| B3.56/11.25 | 11166.6 | B5.12/22 | 11166.10 | FA8 | 10866.1 |
| B3.56/11.88 | 11166.6 | B5.12/24 | 11166.10 | FJA | 10866.2 |
| B3.56/12 | 11166.6 | B5.12/26 | 11166.10 | FSA | 10866.2 |
| B3.56/14 | 11166.6 | B5.12/28 | 11166.10 | GH46-6 | 10866.3 |
| B3.56/16 | 11166.6 | B5.12/30 | 11166.10 | GH46-8 | 10866.3 |
| B3.56/18 | 11166.6 | B5.12/9.5 | 11166.10 | GH48-6 | 10866.3 |
| B3.56/20 | 11166.6 | B610 | 11166.11 | GH48-8 | 10866.3 |
| B3.56/22 | 11166.6 | B612 | 11166.11 | GLB5A | 10866.4 |

Continued on page 2

Continued from page 1

| Product | FL# | Product | FL# | Product | FL# |
|----------------|------------|----------------|------------|------------------|------------|
| GLB5B | 10866.4 | HB3.56/30 | 11166.16 | HB7.12/16 | 11166.21 |
| GLB5C | 10866.4 | HB3.56/32 | 11166.16 | HB7.12/18 | 11166.21 |
| GLB5D | 10866.4 | HB3.56/9.25 | 11166.16 | HB7.12/20 | 11166.21 |
| GLB7A | 10866.5 | HB3.56/9.5 | 11166.16 | HB7.12/22 | 11166.21 |
| GLB7B | 10866.5 | HB4.75/10 | 11166.17 | HB7.12/24 | 11166.21 |
| GLB7C | 10866.5 | HB4.75/12 | 11166.17 | HB7.12/26 | 11166.21 |
| GLB7D | 10866.5 | HB4.75/14 | 11166.17 | HB7.12/28 | 11166.21 |
| GLBT512 | 10866.6 | HB4.75/16 | 11166.17 | HB7.12/9.25 | 11166.21 |
| GLBT516 | 10866.6 | HB4.75/18 | 11166.17 | HB7.12/9.5 | 11166.21 |
| GLBT520 | 10866.6 | HB4.75/20 | 11166.17 | HFA6 | 10866.8 |
| GLBT612 | 10866.7 | HB412 | 11166.18 | HFA8 | 10866.8 |
| GLBT616 | 10866.7 | HB414 | 11166.18 | HGLBA | 10866.9 |
| GLBT620 | 10866.7 | HB416 | 11166.18 | HGLBB | 10866.9 |
| HB1.81/11.25 | 11166.14 | HB5.12/11.88 | 11166.19 | HGLBC | 10866.9 |
| HB1.81/11.88 | 11166.14 | HB5.12/14 | 11166.19 | HGLBD | 10866.9 |
| HB1.81/14 | 11166.14 | HB5.12/16 | 11166.19 | HGT-2 | 10866.10 |
| HB1.81/16 | 11166.14 | HB5.12/18 | 11166.19 | HGT-3 | 10866.10 |
| HB1.81/18 | 11166.14 | HB5.12/20 | 11166.19 | HGT-4 | 10866.10 |
| HB1.81/20 | 11166.14 | HB5.12/22 | 11166.19 | LBV1.56/11.25 | 11166.22 |
| HB2.56/22 | 11166.15 | HB5.12/24 | 11166.19 | LBV1.56/11.88 | 11166.22 |
| HB2.56/24 | 11166.15 | HB5.12/26 | 11166.19 | LBV1.56/11.88L45 | 11166.22 |
| HB2.56/26 | 11166.15 | HB5.12/28 | 11166.19 | LBV1.56/11.88R45 | 11166.22 |
| HB2.56/28 | 11166.15 | HB5.12/30 | 11166.19 | LBV1.56/14 | 11166.22 |
| HB2.56/30 | 11166.15 | HB5.50/11.25 | 11166.20 | LBV1.56/16 | 11166.22 |
| HB3.56/11.25 | 11166.16 | HB5.50/11.88 | 11166.20 | LBV1.56/9.25 | 11166.22 |
| HB3.56/11.88 | 11166.16 | HB5.50/12 | 11166.20 | LBV1.56/9.5 | 11166.22 |
| HB3.56/12 | 11166.16 | HB5.50/14 | 11166.20 | LBV1.56/9.5L45 | 11166.22 |
| HB3.56/14 | 11166.16 | HB5.50/16 | 11166.20 | LBV1.56/9.5R45 | 11166.22 |
| HB3.56/16 | 11166.16 | HB5.50/18 | 11166.20 | LBV1.81/11.25 | 11166.23 |
| HB3.56/18 | 11166.16 | HB5.50/20 | 11166.20 | LBV1.81/11.88 | 11166.23 |
| HB3.56/20 | 11166.16 | HB5.50/9.25 | 11166.20 | LBV1.81/11.88L45 | 11166.23 |
| HB3.56/22 | 11166.16 | HB5.50/9.5 | 11166.20 | LBV1.81/11.88R45 | 11166.23 |
| HB3.56/24 | 11166.16 | HB7.12/11.25 | 11166.21 | LBV1.81/14 | 11166.23 |
| HB3.56/26 | 11166.16 | HB7.12/11.88 | 11166.21 | LBV1.81/16 | 11166.23 |
| HB3.56/28 | 11166.16 | HB7.12/14 | 11166.21 | LBV1.81/7.25 | 11166.23 |



®

SIMPSON STRONG-TIE COMPANY, INC

Continued from page 2

| Product | FL# | Product | FL# | Product | FL# |
|----------------|------------|----------------|------------|----------------|------------|
| LBV1.81/9.25 | 11166.23 | LBV3.12/11.88 | 11166.27 | LBV4.75/16 | 11166.31 |
| LBV1.81/9.5 | 11166.23 | LBV3.12/14 | 11166.27 | LBV4.75/18 | 11166.31 |
| LBV1.81/9.5L45 | 11166.23 | LBV3.12/16 | 11166.27 | LBV4.75/20 | 11166.31 |
| LBV1.81/9.5R45 | 11166.23 | LBV3.12/9.25 | 11166.27 | LBV4.75/9.25 | 11166.31 |
| LBV2.06/11.88 | 11166.24 | LBV3.12/9.5 | 11166.27 | LBV4.75/9.5 | 11166.31 |
| LBV2.06/14 | 11166.24 | LBV3.56/11.25 | 11166.28 | LBV5.12/11.25 | 11166.32 |
| LBV2.06/16 | 11166.24 | LBV3.56/11.88 | 11166.28 | LBV5.12/11.88 | 11166.32 |
| LBV2.06/9.5 | 11166.24 | LBV3.56/12 | 11166.28 | LBV5.12/12 | 11166.32 |
| LBV2.1/11.88 | 11166.24 | LBV3.56/13 | 11166.28 | LBV5.12/14 | 11166.32 |
| LBV2.1/14 | 11166.24 | LBV3.56/14 | 11166.28 | LBV5.12/16 | 11166.32 |
| LBV2.1/16 | 11166.24 | LBV3.56/16 | 11166.28 | LBV5.12/18 | 11166.32 |
| LBV2.1/9.5 | 11166.24 | LBV3.56/18 | 11166.28 | LBV5.12/20 | 11166.32 |
| LBV2.37/11.25 | 11166.25 | LBV3.56/20 | 11166.28 | LBV5.12/22 | 11166.32 |
| LBV2.37/11.88 | 11166.25 | LBV3.56/22 | 11166.28 | LBV5.12/24 | 11166.32 |
| LBV2.37/14 | 11166.25 | LBV3.56/24 | 11166.28 | LBV5.12/9.25 | 11166.32 |
| LBV2.37/16 | 11166.25 | LBV3.56/26 | 11166.28 | LBV5.12/9.5 | 11166.32 |
| LBV2.37/18 | 11166.25 | LBV3.56/28 | 11166.28 | MBHA3.12/11.25 | 10866.11 |
| LBV2.37/20 | 11166.25 | LBV3.56/30 | 11166.28 | MBHA3.12/9.25 | 10866.11 |
| LBV2.37/9.5 | 11166.25 | LBV3.56/7.25 | 11166.28 | MBHA3.56/11.25 | 10866.12 |
| LBV2.56/11.25 | 11166.26 | LBV3.56/9.25 | 11166.28 | MBHA3.56/11.88 | 10866.12 |
| LBV2.56/11.88 | 11166.26 | LBV3.56/9.37 | 11166.28 | MBHA3.56/14 | 10866.12 |
| LBV2.56/13 | 11166.26 | LBV3.56/9.5 | 11166.28 | MBHA3.56/16 | 10866.12 |
| LBV2.56/14 | 11166.26 | LBV4.12/11.88 | 11166.29 | MBHA3.56/18 | 10866.12 |
| LBV2.56/16 | 11166.26 | LBV4.12/14 | 11166.29 | MBHA3.56/9.25 | 10866.12 |
| LBV2.56/18 | 11166.26 | LBV4.12/16 | 11166.29 | MBHA5.50/11.25 | 10866.13 |
| LBV2.56/20 | 11166.26 | LBV4.12/9.5 | 11166.29 | MBHA5.50/11.88 | 10866.13 |
| LBV2.56/22 | 11166.26 | LBV4.28/11.25 | 11166.30 | MBHA5.50/14 | 10866.13 |
| LBV2.56/24 | 11166.26 | LBV4.28/11.88 | 11166.30 | MBHA5.50/16 | 10866.13 |
| LBV2.56/26 | 11166.26 | LBV4.28/14 | 11166.30 | MBHA5.50/18 | 10866.13 |
| LBV2.56/28 | 11166.26 | LBV4.28/16 | 11166.30 | MBHA5.50/9.25 | 10866.13 |
| LBV2.56/30 | 11166.26 | LBV4.28/9.25 | 11166.30 | UFP10-SDS3 | 10866.14 |
| LBV2.56/9.25 | 11166.26 | LBV4.28/9.5 | 11166.30 | | |
| LBV2.56/9.37 | 11166.26 | LBV4.75/11.25 | 11166.31 | | |
| LBV2.56/9.5 | 11166.26 | LBV4.75/11.88 | 11166.31 | | |
| LBV3.12/11.25 | 11166.27 | LBV4.75/14 | 11166.31 | | |



®

SIMPSON STRONG-TIE COMPANY, INC

ICC Evaluation Service, Inc.
www.icc-es.org

Business/Regional Office ■ 5360 Workman Mill Road, Whittier, California 90601 ■ (562) 699-0543
Regional Office ■ 900 Montclair Road, Suite A, Birmingham, Alabama 35213 ■ (205) 599-9800
Regional Office ■ 4051 West Flossmoor Road, Country Club Hills, Illinois 60478 ■ (708) 799-2305

DIVISION: 06—WOOD AND PLASTICS
Section: 06090—Wood and Plastic Fastenings

REPORT HOLDER:

SIMPSON STRONG-TIE COMPANY, INC.
5956 WEST LAS POSITAS BOULEVARD
PLEASANTON, CALIFORNIA 94588
(925) 560-9000
www.strongtie.com

EVALUATION SUBJECT:

LBV, B, HB AND BA SERIES JOIST HANGERS

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)

Properties evaluated:

Structural

2.0 USES

The Simpson Strong-Tie LBV, B, HB, and BA series top-flange hangers described in this report are used as wood framing connectors in accordance with Section 2304.9.3 of the IBC. The products may also be used in structures regulated under the IRC when an engineered design is submitted in accordance with Section R301.1.3 of the IRC.

3.0 DESCRIPTION

3.1 General:

The hangers are formed from a single constant-width piece of steel, into a joist hanger with triangular-shaped sides that bend over the header with rectangular top flanges.

3.1.1 LBV Series Hangers: The LBV series joist hanger is designed to support single or double I-joists and common structural composite lumber that is 1.50 inches (38 mm) wide or wider. The joist hangers are formed from 14 gage galvanized steel, with a G90 coating, into seat-type hangers that are nailed to the top and side of the header and to the sides of the joists. Tables 1A and 1B have additional details.

3.1.2 B Series Hangers: The B series joist hanger is designed to support single or double I-joists and common structural composite lumber that is 1.75 inches (44 mm) wide and wider. The joist hangers are formed from 12 gage galvanized steel into seat-type hangers that are nailed to the top and side of the header and to the sides of the joists. Tables 1A and 1B have additional details.

3.1.3 HB Series Hangers: The HB series joist hanger is designed to support single or double I-joists and common structural composite lumber that is 1.75 inches (44 mm) wide and wider. The joist hangers are formed from 10 gage galvanized steel into seat-type hangers that are nailed to the top and side of the header and to the sides of the joists. Tables 1A and 1B have additional details.

3.1.4 BA Series Hangers: The BA series joist hanger is designed to support single or double I-joists and common structural composite lumber that is 1.50 inches (38 mm) wide and wider. The joist hangers are formed from 14 gage galvanized steel, with a G90 coating, into seat-type hangers that are nailed to the top and side of the header and to the sides of the joists. Tables 2A and 2B have additional details.

3.2 Materials:

3.2.1 Steel: The hangers described in this report are manufactured from galvanized steel complying with ASTM A 653, SS designation, Grade 33, with a minimum yield strength, *F_y*, of 33,000 psi (227 MPa) and a minimum tensile strength, *F_u*, of 45,000 psi (310 MPa). Minimum base-metal thicknesses for the hangers in this report are as follows:

| NOMINAL THICKNESS (gage) | BASE-METAL THICKNESS (inch) |
|-----------------------------|--------------------------------|
| No. 10 | 0.1275 |
| No. 12 | 0.0975 |
| No. 14 | 0.0685 |

For SI: 1 inch = 25.4 mm.

The hangers have a minimum G90 zinc coating specification in accordance with ASTM A 653. Some models (designated with a model number ending with Z) are available with a G185 zinc coating specification in accordance with ASTM A 653. Some models (designated with a model number ending with HDG) are available with a hot-dip galvanization, also known as “batch” galvanization, in accordance with ASTM A 123, with a minimum specified coating weight of 2.0 ounces of zinc per square foot of surface area (600 g/m²), total for both sides. Model numbers in this report do not include the Z or HDG ending, but the information shown applies. The lumber treater or the holder of this report (Simpson Strong-Tie Company) should be contacted for recommendations on minimum corrosion resistance of steel connectors in contact with the specific proprietary preservative-treated or fire-retardant-treated lumber.

3.2.2 Wood: Wood members with which the connectors are used must be either sawn lumber or engineered lumber having a minimum specific gravity of 0.50 (minimum equivalent specific gravity of 0.50 for engineered lumber), and having a maximum moisture content of 19 percent (16 percent for engineered lumber) except as noted in Section 4.1. The thickness of the supporting wood member (header, beam, or ledger) must be equal to or greater than the length of the

ES REPORTS™ are not to be construed as representing aesthetics or any other attributes not specifically addressed, nor are they to be construed as an endorsement of the subject of the report or a recommendation for its use. There is no warranty by ICC Evaluation Service, Inc., express or implied, as to any finding or other matter in this report, or as to any product covered by the report.



fasteners specified in the tables in this report, or as required by wood member design, whichever is greater.

3.2.3 Fasteners: Nails used for hangers described in this report must comply with ASTM F 1667 and have the following minimum fastener dimensions and bending yield strengths (F_{yb}):

| COMMON NAIL SIZE | SHANK DIAMETER (inch) | LENGTH (inches) | F_{yb} (psi) |
|------------------|-----------------------|-----------------|----------------|
| 10d × 1½ | 0.148 | 1½ | 90,000 |
| 10d | 0.148 | 3 | 90,000 |
| 16d × 2½ | 0.162 | 2½ | 90,000 |
| 16d | 0.162 | 3½ | 90,000 |

For SI: 1 inch = 25.4 mm, 1 psi = 6.895 kPa.

Fasteners used in contact with preservative-treated or fire-retardant-treated lumber must comply with IBC Section 2304.9.5 or IRC Section R319.3, as applicable. The lumber treater or the holder of this report (Simpson Strong-Tie Company) should be contacted for recommendations on minimum corrosion resistance of fasteners and connection capacities of fasteners used with the specific proprietary preservative-treated or fire-retardant-treated lumber.

4.0 DESIGN AND INSTALLATION

4.1 Design:

The tabulated allowable loads shown in this report are based on allowable stress design (ASD) and include the load duration factor, C_D , corresponding with the applicable loads in accordance with the NDS.

Tabulated allowable loads apply to products connected to wood used under dry conditions and where sustained temperatures are 100°F (37.8°C) or less. When products are installed to wood having a moisture content greater than 19 percent (16 percent for engineered wood products), or where wet service is expected, the allowable loads must be adjusted by the wet service factor, C_M , specified in the NDS. When connectors are installed in wood that will experience sustained exposure to temperatures exceeding 100°F (37.8°C), the allowable loads in this report must be adjusted by the temperature factor, C_t , specified in the NDS.

Connected wood members must be analyzed for load-carrying capacity at the connection in accordance with the NDS.

4.2 Installation:

Installation of the connectors must be in accordance with this evaluation report and the manufacturer's published installation instructions. In the event of a conflict between this report and the manufacturer's published installation instructions, this report governs.

5.0 CONDITIONS OF USE

The Simpson Strong-Tie® hangers described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

- 5.1 The connectors must be manufactured, identified and installed in accordance with this report and the manufacturer's published installation instructions. A copy of the instructions must be available at the jobsite at all times during installation.
- 5.2 Calculations showing compliance with this report must be submitted to the code official. The calculations must be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed.
- 5.3 Adjustment factors noted in Section 4.1 and the applicable codes must be considered, where applicable.
- 5.4 Connected wood members and fasteners must comply, respectively, with Sections 3.2.2 and 3.2.3 of this report.
- 5.5 Use of connectors with preservative-treated or fire-retardant-treated lumber must be in accordance with Section 3.2.1 of this report. Use of fasteners with preservative-treated or fire-retardant-treated lumber must be in accordance with Section 3.2.3 of this report.

6.0 EVIDENCE SUBMITTED

Data in accordance with applicable portions of the ICC-ES Acceptance Criteria for Joist Hangers and Similar Devices (AC13), dated October 2006 (corrected March 2007).

7.0 IDENTIFICATION

The products described in this report are identified with a stamp or label indicating the name of the manufacturer (Simpson Strong-Tie), the model number, and the number of the index evaluation report ([ESR-2523](#)) that is used as an identifier for products such as those recognized in this report.

TABLE 1—APPLICABLE MODEL NUMBERS FOR LBV, B, HB, and BA SERIES JOIST HANGERS

| MODEL | DIMENSIONS (inches) | | | MODEL | DIMENSIONS (inches) | | |
|------------------|---------------------------------|--------------------------------|-------------------------------|---------------|--------------------------------|--------------------------------|-------------------------------|
| | W | H | B | | W | H | B |
| LBV1.56/11.25 | 1 ⁹ / ₁₆ | 11 ¹ / ₄ | 3 | LBV3.12/11.88 | 3 ¹ / ₈ | 11 ¹ / ₈ | 2 ¹ / ₂ |
| LBV1.56/11.88 | 1 ⁹ / ₁₆ | 11 ¹ / ₈ | 3 | LBV3.12/14 | 3 ¹ / ₈ | 14 | 2 ¹ / ₂ |
| LBV1.56/11.88L45 | 1 ⁹ / ₁₆ | 11 ¹ / ₈ | 3 | LBV3.12/16 | 3 ¹ / ₈ | 16 | 2 ¹ / ₂ |
| LBV1.56/11.88R45 | 1 ⁹ / ₁₆ | 11 ¹ / ₈ | 3 | LBV3.12/9.25 | 3 ¹ / ₈ | 9 ¹ / ₄ | 2 ¹ / ₂ |
| LBV1.56/14 | 1 ⁹ / ₁₆ | 14 | 3 | LBV3.12/9.5 | 3 ¹ / ₈ | 9 ¹ / ₂ | 2 ¹ / ₂ |
| LBV1.56/16 | 1 ⁹ / ₁₆ | 16 | 3 | LBV3.56/11.25 | 3 ⁹ / ₁₆ | 11 ¹ / ₄ | 2 ¹ / ₂ |
| LBV1.56/9.25 | 1 ⁹ / ₁₆ | 9 ¹ / ₄ | 3 | LBV3.56/11.88 | 3 ⁹ / ₁₆ | 11 ¹ / ₈ | 2 ¹ / ₂ |
| LBV1.56/9.5 | 1 ⁹ / ₁₆ | 9 ¹ / ₂ | 3 | LBV3.56/12 | 3 ⁹ / ₁₆ | 12 | 2 ¹ / ₂ |
| LBV1.56/9.5L45 | 1 ⁹ / ₁₆ | 9 ¹ / ₂ | 3 | LBV3.56/13 | 3 ⁹ / ₁₆ | 13 | 2 ¹ / ₂ |
| LBV1.56/9.5R45 | 1 ⁹ / ₁₆ | 9 ¹ / ₂ | 3 | LBV3.56/14 | 3 ⁹ / ₁₆ | 14 | 2 ¹ / ₂ |
| LBV1.81/11.25 | 1 ¹³ / ₁₆ | 11 ¹ / ₄ | 3 | LBV3.56/16 | 3 ⁹ / ₁₆ | 16 | 2 ¹ / ₂ |
| LBV1.81/11.88 | 1 ¹³ / ₁₆ | 11 ¹ / ₈ | 3 | LBV3.56/18 | 3 ⁹ / ₁₆ | 18 | 2 ¹ / ₂ |
| LBV1.81/11.88L45 | 1 ¹³ / ₁₆ | 11 ¹ / ₈ | 3 | LBV3.56/20 | 3 ⁹ / ₁₆ | 20 | 2 ¹ / ₂ |
| LBV1.81/11.88R45 | 1 ¹³ / ₁₆ | 11 ¹ / ₈ | 3 | LBV3.56/22 | 3 ⁹ / ₁₆ | 22 | 2 ¹ / ₂ |
| LBV1.81/14 | 1 ¹³ / ₁₆ | 14 | 3 | LBV3.56/24 | 3 ⁹ / ₁₆ | 24 | 2 ¹ / ₂ |
| LBV1.81/16 | 1 ¹³ / ₁₆ | 16 | 3 | LBV3.56/26 | 3 ⁹ / ₁₆ | 26 | 2 ¹ / ₂ |
| LBV1.81/7.25 | 1 ¹³ / ₁₆ | 7 ¹ / ₄ | 3 | LBV3.56/28 | 3 ⁹ / ₁₆ | 28 | 2 ¹ / ₂ |
| LBV1.81/9.25 | 1 ¹³ / ₁₆ | 9 ¹ / ₄ | 3 | LBV3.56/30 | 3 ⁹ / ₁₆ | 30 | 2 ¹ / ₂ |
| LBV1.81/9.5 | 1 ¹³ / ₁₆ | 9 ¹ / ₂ | 3 | LBV3.56/7.25 | 3 ⁹ / ₁₆ | 7 ¹ / ₄ | 2 ¹ / ₂ |
| LBV1.81/9.5L45 | 1 ¹³ / ₁₆ | 9 ¹ / ₂ | 3 | LBV3.56/9.25 | 3 ⁹ / ₁₆ | 9 ¹ / ₄ | 2 ¹ / ₂ |
| LBV1.81/9.5R45 | 1 ¹³ / ₁₆ | 9 ¹ / ₂ | 3 | LBV3.56/9.37 | 3 ⁹ / ₁₆ | 9 ³ / ₈ | 2 ¹ / ₂ |
| LBV2.06/11.88 | 2 ¹ / ₁₆ | 11 ¹ / ₈ | 2 ¹ / ₂ | LBV3.56/9.5 | 3 ⁹ / ₁₆ | 9 ¹ / ₂ | 2 ¹ / ₂ |
| LBV2.06/14 | 2 ¹ / ₁₆ | 14 | 2 ¹ / ₂ | LBV4.12/11.88 | 4 ¹ / ₈ | 11 ¹ / ₈ | 2 ¹ / ₂ |
| LBV2.06/16 | 2 ¹ / ₁₆ | 16 | 2 ¹ / ₂ | LBV4.12/14 | 4 ¹ / ₈ | 14 | 2 ¹ / ₂ |
| LBV2.06/9.5 | 2 ¹ / ₁₆ | 9 ¹ / ₂ | 2 ¹ / ₂ | LBV4.12/16 | 4 ¹ / ₈ | 16 | 2 ¹ / ₂ |
| LBV2.1/11.88 | 2 ¹ / ₈ | 11 ¹ / ₈ | 2 ¹ / ₂ | LBV4.12/9.5 | 4 ¹ / ₈ | 9 ¹ / ₂ | 2 ¹ / ₂ |
| LBV2.1/14 | 2 ¹ / ₈ | 14 | 2 ¹ / ₂ | LBV4.28/11.25 | 4 ⁹ / ₃₂ | 11 ¹ / ₄ | 2 ¹ / ₂ |
| LBV2.1/16 | 2 ¹ / ₈ | 16 | 2 ¹ / ₂ | LBV4.28/11.88 | 4 ⁹ / ₃₂ | 11 ¹ / ₈ | 2 ¹ / ₂ |
| LBV2.1/9.5 | 2 ¹ / ₈ | 9 ¹ / ₂ | 2 ¹ / ₂ | LBV4.28/14 | 4 ⁹ / ₃₂ | 14 | 2 ¹ / ₂ |
| LBV2.37/11.25 | 2 ³ / ₈ | 11 ¹ / ₄ | 2 ¹ / ₂ | LBV4.28/16 | 4 ⁹ / ₃₂ | 16 | 2 ¹ / ₂ |
| LBV2.37/11.88 | 2 ³ / ₈ | 11 ¹ / ₈ | 2 ¹ / ₂ | LBV4.28/9.25 | 4 ⁹ / ₃₂ | 9 ¹ / ₄ | 2 ¹ / ₂ |
| LBV2.37/14 | 2 ³ / ₈ | 14 | 2 ¹ / ₂ | LBV4.28/9.5 | 4 ⁹ / ₃₂ | 9 ¹ / ₂ | 2 ¹ / ₂ |
| LBV2.37/16 | 2 ³ / ₈ | 16 | 2 ¹ / ₂ | LBV4.75/11.25 | 4 ³ / ₄ | 11 ¹ / ₄ | 2 ¹ / ₂ |
| LBV2.37/18 | 2 ³ / ₈ | 18 | 2 ¹ / ₂ | LBV4.75/11.88 | 4 ³ / ₄ | 11 ¹ / ₈ | 2 ¹ / ₂ |
| LBV2.37/20 | 2 ³ / ₈ | 20 | 2 ¹ / ₂ | LBV4.75/14 | 4 ³ / ₄ | 14 | 2 ¹ / ₂ |
| LBV2.37/9.5 | 2 ³ / ₈ | 9 ¹ / ₂ | 2 ¹ / ₂ | LBV4.75/16 | 4 ³ / ₄ | 16 | 2 ¹ / ₂ |
| LBV2.56/11.25 | 2 ⁹ / ₁₆ | 11 ¹ / ₄ | 2 ¹ / ₂ | LBV4.75/18 | 4 ³ / ₄ | 18 | 2 ¹ / ₂ |
| LBV2.56/11.88 | 2 ⁹ / ₁₆ | 11 ¹ / ₈ | 2 ¹ / ₂ | LBV4.75/20 | 4 ³ / ₄ | 20 | 2 ¹ / ₂ |
| LBV2.56/13 | 2 ⁹ / ₁₆ | 13 | 2 ¹ / ₂ | LBV4.75/9.25 | 4 ³ / ₄ | 9 ¹ / ₄ | 2 ¹ / ₂ |
| LBV2.56/14 | 2 ⁹ / ₁₆ | 14 | 2 ¹ / ₂ | LBV4.75/9.5 | 4 ³ / ₄ | 9 ¹ / ₂ | 2 ¹ / ₂ |
| LBV2.56/16 | 2 ⁹ / ₁₆ | 16 | 2 ¹ / ₂ | LBV5.12/11.25 | 5 ¹ / ₈ | 11 ¹ / ₄ | 2 ¹ / ₂ |
| LBV2.56/18 | 2 ⁹ / ₁₆ | 18 | 2 ¹ / ₂ | LBV5.12/11.88 | 5 ¹ / ₈ | 11 ¹ / ₈ | 2 ¹ / ₂ |
| LBV2.56/20 | 2 ⁹ / ₁₆ | 20 | 2 ¹ / ₂ | LBV5.12/12 | 5 ¹ / ₈ | 12 | 2 ¹ / ₂ |
| LBV2.56/22 | 2 ⁹ / ₁₆ | 22 | 2 ¹ / ₂ | LBV5.12/14 | 5 ¹ / ₈ | 14 | 2 ¹ / ₂ |
| LBV2.56/24 | 2 ⁹ / ₁₆ | 24 | 2 ¹ / ₂ | LBV5.12/16 | 5 ¹ / ₈ | 16 | 2 ¹ / ₂ |
| LBV2.56/26 | 2 ⁹ / ₁₆ | 26 | 2 ¹ / ₂ | LBV5.12/18 | 5 ¹ / ₈ | 18 | 2 ¹ / ₂ |
| LBV2.56/28 | 2 ⁹ / ₁₆ | 28 | 2 ¹ / ₂ | LBV5.12/20 | 5 ¹ / ₈ | 20 | 2 ¹ / ₂ |
| LBV2.56/30 | 2 ⁹ / ₁₆ | 30 | 2 ¹ / ₂ | LBV5.12/22 | 5 ¹ / ₈ | 22 | 2 ¹ / ₂ |
| LBV2.56/9.25 | 2 ⁹ / ₁₆ | 9 ¹ / ₄ | 2 ¹ / ₂ | LBV5.12/24 | 5 ¹ / ₈ | 24 | 2 ¹ / ₂ |
| LBV2.56/9.37 | 2 ⁹ / ₁₆ | 9 ³ / ₈ | 2 ¹ / ₂ | LBV5.12/9.25 | 5 ¹ / ₈ | 9 ¹ / ₄ | 2 ¹ / ₂ |
| LBV2.56/9.5 | 2 ⁹ / ₁₆ | 9 ¹ / ₂ | 2 ¹ / ₂ | LBV5.12/9.5 | 5 ¹ / ₈ | 9 ¹ / ₂ | 2 ¹ / ₂ |
| LBV3.12/11.25 | 3 ¹ / ₈ | 11 ¹ / ₄ | 2 ¹ / ₂ | | | | |

TABLE 1—APPLICABLE MODEL NUMBERS FOR LBV, B, HB, and BA SERIES JOIST HANGERS (Continued)

| MODEL | DIMENSIONS (inches) | | | MODEL | DIMENSIONS (inches) | | |
|-------------|---------------------------------|--------------------------------|-------------------------------|--------------|---------------------------------|--------------------------------|-------------------------------|
| | W | H | B | | W | H | B |
| B1.56/11.25 | 1 ⁹ / ₁₆ | 11 ¹ / ₄ | 3 ¹ / ₂ | B414 | 3 ⁹ / ₁₆ | 13 | 2 ¹ / ₂ |
| B1.56/11.88 | 1 ⁹ / ₁₆ | 11 ¹ / ₈ | 3 ¹ / ₂ | B416 | 3 ⁹ / ₁₆ | 15 | 2 ¹ / ₂ |
| B1.56/9.25 | 1 ⁹ / ₁₆ | 9 ¹ / ₄ | 3 ¹ / ₂ | B48 | 3 ⁹ / ₁₆ | 7 ¹ / ₈ | 2 ¹ / ₂ |
| B1.81/11.88 | 1 ¹³ / ₁₆ | 11 ¹ / ₈ | 3 | B5.12/11.88 | 5 ¹ / ₈ | 11 ¹ / ₈ | 2 ¹ / ₂ |
| B1.81/14 | 1 ¹³ / ₁₆ | 14 | 3 | B5.12/14 | 5 ¹ / ₈ | 14 | 2 ¹ / ₂ |
| B1.81/16 | 1 ¹³ / ₁₆ | 16 | 3 | B5.12/16 | 5 ¹ / ₈ | 16 | 2 ¹ / ₂ |
| B1.81/9.5 | 1 ¹³ / ₁₆ | 9 ¹ / ₂ | 3 | B5.12/18 | 5 ¹ / ₈ | 18 | 2 ¹ / ₂ |
| B2.37/11.25 | 2 ³ / ₈ | 11 ¹ / ₄ | 2 ¹ / ₂ | B5.12/20 | 5 ¹ / ₈ | 20 | 2 ¹ / ₂ |
| B2.37/11.88 | 2 ³ / ₈ | 11 ¹ / ₈ | 2 ¹ / ₂ | B5.12/22 | 5 ¹ / ₈ | 22 | 2 ¹ / ₂ |
| B2.37/14 | 2 ³ / ₈ | 14 | 2 ¹ / ₂ | B5.12/24 | 5 ¹ / ₈ | 24 | 2 ¹ / ₂ |
| B2.37/16 | 2 ³ / ₈ | 16 | 2 ¹ / ₂ | B5.12/26 | 5 ¹ / ₈ | 26 | 2 ¹ / ₂ |
| B2.37/18 | 2 ³ / ₈ | 18 | 2 ¹ / ₂ | B5.12/28 | 5 ¹ / ₈ | 28 | 2 ¹ / ₂ |
| B2.37/20 | 2 ³ / ₈ | 20 | 2 ¹ / ₂ | B5.12/30 | 5 ¹ / ₈ | 30 | 2 ¹ / ₂ |
| B2.56/11.88 | 2 ⁹ / ₁₆ | 11 ¹ / ₈ | 2 ¹ / ₂ | B5.12/9.5 | 5 ¹ / ₈ | 9 ¹ / ₂ | 2 ¹ / ₂ |
| B2.56/14 | 2 ⁹ / ₁₆ | 14 | 2 ¹ / ₂ | B610 | 5 ¹ / ₂ | 9 ¹ / ₈ | 2 ¹ / ₂ |
| B2.56/16 | 2 ⁹ / ₁₆ | 16 | 2 ¹ / ₂ | B612 | 5 ¹ / ₂ | 11 | 2 ¹ / ₂ |
| B2.56/18 | 2 ⁹ / ₁₆ | 18 | 2 ¹ / ₂ | B614 | 5 ¹ / ₂ | 13 | 2 ¹ / ₂ |
| B2.56/20 | 2 ⁹ / ₁₆ | 20 | 2 ¹ / ₂ | B616 | 5 ¹ / ₂ | 15 | 2 ¹ / ₂ |
| B2.56/22 | 2 ⁹ / ₁₆ | 22 | 2 ¹ / ₂ | B68 | 5 ¹ / ₂ | 7 ¹ / ₈ | 2 ¹ / ₂ |
| B2.56/24 | 2 ⁹ / ₁₆ | 24 | 2 ¹ / ₂ | B7.12/11.25 | 7 ¹ / ₈ | 11 ¹ / ₄ | 2 ¹ / ₂ |
| B2.56/26 | 2 ⁹ / ₁₆ | 26 | 2 ¹ / ₂ | B7.12/11.88 | 7 ¹ / ₈ | 11 ¹ / ₈ | 2 ¹ / ₂ |
| B2.56/28 | 2 ⁹ / ₁₆ | 28 | 2 ¹ / ₂ | B7.12/14 | 7 ¹ / ₈ | 14 | 2 ¹ / ₂ |
| B2.56/30 | 2 ⁹ / ₁₆ | 30 | 2 ¹ / ₂ | B7.12/16 | 7 ¹ / ₈ | 16 | 2 ¹ / ₂ |
| B3.12/11.25 | 3 ¹ / ₈ | 11 ¹ / ₄ | 2 ¹ / ₂ | B7.12/18 | 7 ¹ / ₈ | 18 | 2 ¹ / ₂ |
| B3.12/11.88 | 3 ¹ / ₈ | 11 ¹ / ₈ | 2 ¹ / ₂ | B7.12/20 | 7 ¹ / ₈ | 20 | 2 ¹ / ₂ |
| B3.12/9.25 | 3 ¹ / ₈ | 9 ¹ / ₄ | 2 ¹ / ₂ | B7.12/22 | 7 ¹ / ₈ | 22 | 2 ¹ / ₂ |
| B3.56/11.25 | 3 ⁹ / ₁₆ | 11 ¹ / ₄ | 2 ¹ / ₂ | B7.12/24 | 7 ¹ / ₈ | 24 | 2 ¹ / ₂ |
| B3.56/11.88 | 3 ⁹ / ₁₆ | 11 ¹ / ₈ | 2 ¹ / ₂ | B7.12/26 | 7 ¹ / ₈ | 26 | 2 ¹ / ₂ |
| B3.56/12 | 3 ⁹ / ₁₆ | 12 | 2 ¹ / ₂ | B7.12/28 | 7 ¹ / ₈ | 28 | 2 ¹ / ₂ |
| B3.56/14 | 3 ⁹ / ₁₆ | 14 | 2 | B7.12/9.25 | 7 ¹ / ₈ | 9 ¹ / ₄ | 2 ¹ / ₂ |
| B3.56/16 | 3 ⁹ / ₁₆ | 16 | 2 | B7.12/9.5 | 7 ¹ / ₈ | 9 ¹ / ₂ | 2 ¹ / ₂ |
| B3.56/18 | 3 ⁹ / ₁₆ | 18 | 2 ¹ / ₂ | BA1.81/11.88 | 1 ¹³ / ₁₆ | 11 ¹ / ₈ | 3 |
| B3.56/20 | 3 ⁹ / ₁₆ | 20 | 2 ¹ / ₂ | BA2.56/11.88 | 2 ⁹ / ₁₆ | 11 ¹ / ₈ | 3 |
| B3.56/22 | 3 ⁹ / ₁₆ | 22 | 2 ¹ / ₂ | BA2.56/14 | 2 ⁹ / ₁₆ | 14 | 3 |
| B3.56/24 | 3 ⁹ / ₁₆ | 24 | 2 ¹ / ₂ | BA2.56/16 | 2 ⁹ / ₁₆ | 16 | 3 |
| B3.56/26 | 3 ⁹ / ₁₆ | 26 | 2 ¹ / ₂ | BA3.56/11.88 | 3 ⁹ / ₁₆ | 11 ¹ / ₈ | 3 |
| B3.56/28 | 3 ⁹ / ₁₆ | 28 | 2 ¹ / ₂ | BA3.56/14 | 3 ⁹ / ₁₆ | 14 | 3 |
| B3.56/30 | 3 ⁹ / ₁₆ | 30 | 2 ¹ / ₂ | BA3.56/16 | 3 ⁹ / ₁₆ | 16 | 3 |
| B3.56/9.25 | 3 ⁹ / ₁₆ | 9 ¹ / ₄ | 2 ¹ / ₂ | BA410 | 3 ⁹ / ₁₆ | 9 ¹ / ₈ | 3 |
| B3.56/9.5 | 3 ⁹ / ₁₆ | 9 ¹ / ₂ | 2 ¹ / ₂ | BA412 | 3 ⁹ / ₁₆ | 11 | 3 |
| B310 | 2 ⁹ / ₁₆ | 9 ¹ / ₈ | 2 ¹ / ₂ | BA48 | 3 ⁹ / ₁₆ | 7 ¹ / ₈ | 3 |
| B312 | 2 ⁹ / ₁₆ | 11 | 2 ¹ / ₂ | HB1.81/11.25 | 1 ¹³ / ₁₆ | 11 ¹ / ₄ | 4 ¹ / ₄ |
| B314 | 2 ⁹ / ₁₆ | 13 | 2 ¹ / ₂ | HB1.81/11.88 | 1 ¹³ / ₁₆ | 11 ¹ / ₈ | 4 ¹ / ₄ |
| B316 | 2 ⁹ / ₁₆ | 15 | 2 ¹ / ₂ | HB1.81/14 | 1 ¹³ / ₁₆ | 14 | 4 ¹ / ₄ |
| B4.75/11.88 | 4 ³ / ₄ | 11 ¹ / ₈ | 2 ¹ / ₂ | HB1.81/16 | 1 ¹³ / ₁₆ | 16 | 4 ¹ / ₄ |
| B4.75/14 | 4 ³ / ₄ | 14 | 2 ¹ / ₂ | HB1.81/18 | 1 ¹³ / ₁₆ | 18 | 4 ¹ / ₄ |
| B4.75/16 | 4 ³ / ₄ | 16 | 2 ¹ / ₂ | HB1.81/20 | 1 ¹³ / ₁₆ | 20 | 4 ¹ / ₄ |
| B4.75/18 | 4 ³ / ₄ | 18 | 2 ¹ / ₂ | HB2.56/22 | 2 ⁹ / ₁₆ | 22 | 3 ¹ / ₂ |
| B4.75/20 | 4 ³ / ₄ | 20 | 2 ¹ / ₂ | HB2.56/24 | 2 ⁹ / ₁₆ | 24 | 3 ¹ / ₂ |
| B4.75/9.5 | 4 ³ / ₄ | 9 ¹ / ₂ | 2 ¹ / ₂ | HB2.56/26 | 2 ⁹ / ₁₆ | 26 | 3 ¹ / ₂ |
| B410 | 3 ⁹ / ₁₆ | 9 ¹ / ₈ | 2 ¹ / ₂ | HB2.56/28 | 2 ⁹ / ₁₆ | 28 | 3 ¹ / ₂ |
| B412 | 3 ⁹ / ₁₆ | 11 | 2 ¹ / ₂ | HB2.56/30 | 2 ⁹ / ₁₆ | 30 | 3 ¹ / ₂ |

TABLE 1—APPLICABLE MODEL NUMBERS FOR LBV, B, HB, and BA SERIES JOIST HANGERS (Continued)

| MODEL | DIMENSIONS (inches) | | | MODEL | DIMENSIONS (inches) | | |
|--------------|--------------------------------|--------------------------------|-------------------------------|--------------|-------------------------------|--------------------------------|-------------------------------|
| | W | H | B | | W | H | B |
| HB3.56/11.25 | 3 ⁹ / ₁₆ | 11 ¹ / ₄ | 3 ¹ / ₂ | HB5.12/20 | 5 ¹ / ₈ | 20 | 3 ¹ / ₂ |
| HB3.56/11.88 | 3 ⁹ / ₁₆ | 11 ¹ / ₈ | 3 ¹ / ₂ | HB5.12/22 | 5 ¹ / ₈ | 22 | 3 ¹ / ₂ |
| HB3.56/12 | 3 ⁹ / ₁₆ | 12 | 3 ¹ / ₂ | HB5.12/24 | 5 ¹ / ₈ | 24 | 3 ¹ / ₂ |
| HB3.56/14 | 3 ⁹ / ₁₆ | 14 | 3 ¹ / ₂ | HB5.12/26 | 5 ¹ / ₈ | 26 | 3 ¹ / ₂ |
| HB3.56/16 | 3 ⁹ / ₁₆ | 16 | 3 ¹ / ₂ | HB5.12/28 | 5 ¹ / ₈ | 28 | 3 ¹ / ₂ |
| HB3.56/18 | 3 ⁹ / ₁₆ | 18 | 3 ¹ / ₂ | HB5.12/30 | 5 ¹ / ₈ | 30 | 3 ¹ / ₂ |
| HB3.56/20 | 3 ⁹ / ₁₆ | 20 | 3 ¹ / ₂ | HB5.50/11.25 | 5 ¹ / ₂ | 11 ¹ / ₄ | 3 ¹ / ₂ |
| HB3.56/22 | 3 ⁹ / ₁₆ | 22 | 3 ¹ / ₂ | HB5.50/11.88 | 5 ¹ / ₂ | 11 ¹ / ₈ | 3 ¹ / ₂ |
| HB3.56/24 | 3 ⁹ / ₁₆ | 24 | 3 ¹ / ₂ | HB5.50/12 | 5 ¹ / ₂ | 12 | 3 ¹ / ₂ |
| HB3.56/26 | 3 ⁹ / ₁₆ | 26 | 3 ¹ / ₂ | HB5.50/14 | 5 ¹ / ₂ | 14 | 3 ¹ / ₂ |
| HB3.56/28 | 3 ⁹ / ₁₆ | 28 | 3 ¹ / ₂ | HB5.50/16 | 5 ¹ / ₂ | 16 | 3 ¹ / ₂ |
| HB3.56/30 | 3 ⁹ / ₁₆ | 30 | 3 ¹ / ₂ | HB5.50/18 | 5 ¹ / ₂ | 18 | 3 ¹ / ₂ |
| HB3.56/32 | 3 ⁹ / ₁₆ | 32 | 3 ¹ / ₂ | HB5.50/20 | 5 ¹ / ₂ | 20 | 3 ¹ / ₂ |
| HB3.56/9.25 | 3 ⁹ / ₁₆ | 9 ¹ / ₄ | 3 ¹ / ₂ | HB5.50/9.25 | 5 ¹ / ₂ | 9 ¹ / ₄ | 3 ¹ / ₂ |
| HB3.56/9.5 | 3 ⁹ / ₁₆ | 9 ¹ / ₂ | 3 ¹ / ₂ | HB5.50/9.5 | 5 ¹ / ₂ | 9 ¹ / ₂ | 3 ¹ / ₂ |
| HB4.75/10 | 4 ³ / ₄ | 10 | 3 ¹ / ₂ | HB7.12/11.25 | 7 ¹ / ₈ | 11 ¹ / ₄ | 3 ¹ / ₂ |
| HB4.75/12 | 4 ³ / ₄ | 12 | 3 ¹ / ₂ | HB7.12/11.88 | 7 ¹ / ₈ | 11 ¹ / ₈ | 3 ¹ / ₂ |
| HB4.75/14 | 4 ³ / ₄ | 14 | 3 ¹ / ₂ | HB7.12/14 | 7 ¹ / ₈ | 14 | 3 ¹ / ₂ |
| HB4.75/16 | 4 ³ / ₄ | 16 | 3 ¹ / ₂ | HB7.12/16 | 7 ¹ / ₈ | 16 | 3 ¹ / ₂ |
| HB4.75/18 | 4 ³ / ₄ | 18 | 3 ¹ / ₂ | HB7.12/18 | 7 ¹ / ₈ | 18 | 3 ¹ / ₂ |
| HB4.75/20 | 4 ³ / ₄ | 20 | 3 ¹ / ₂ | HB7.12/20 | 7 ¹ / ₈ | 20 | 3 ¹ / ₂ |
| HB412 | 3 ⁹ / ₁₆ | 11 | 3 ¹ / ₂ | HB7.12/22 | 7 ¹ / ₈ | 22 | 3 ¹ / ₂ |
| HB414 | 3 ⁹ / ₁₆ | 13 | 3 ¹ / ₂ | HB7.12/24 | 7 ¹ / ₈ | 24 | 3 ¹ / ₂ |
| HB416 | 3 ⁹ / ₁₆ | 15 | 3 ¹ / ₂ | HB7.12/26 | 7 ¹ / ₈ | 26 | 3 ¹ / ₂ |
| HB5.12/11.88 | 5 ¹ / ₈ | 11 ¹ / ₈ | 3 ¹ / ₂ | HB7.12/28 | 7 ¹ / ₈ | 28 | 3 ¹ / ₂ |
| HB5.12/14 | 5 ¹ / ₈ | 14 | 3 ¹ / ₂ | HB7.12/9.25 | 7 ¹ / ₈ | 9 ¹ / ₄ | 3 ¹ / ₂ |
| HB5.12/16 | 5 ¹ / ₈ | 16 | 3 ¹ / ₂ | HB7.12/9.5 | 7 ¹ / ₈ | 9 ¹ / ₂ | 3 ¹ / ₂ |
| HB5.12/18 | 5 ¹ / ₈ | 18 | 3 ¹ / ₂ | | | | |

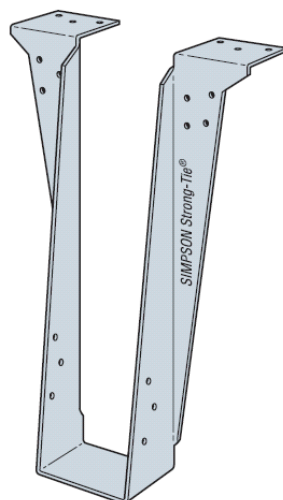


FIGURE 1—B SERIES HANGER

TABLE 1a—ALLOWABLE DOWNLOADS FOR LBV, B, AND HB SERIES JOIST HANGERS

| MODEL SERIES | SEAT WIDTH RANGE | HEIGHT RANGE | FASTENERS | | | DOWNLOAD (lbs) | | |
|--------------|------------------------|--------------|-----------|--------|----------------------------|----------------|------|------|
| | | | TOP | FACE | JOIST | 100% | 115% | 125% |
| LBV | $1.56" \leq W < 2.56"$ | 7-30" | 6-16d | 4-16d | 2-10d x 1 $\frac{1}{2}$ " | 2590 | 2590 | 2590 |
| LBV | $2.56" \leq W < 5.50"$ | 7-30" | 6-16d | 4-16d | 2-10d x 1 $\frac{1}{2}$ " | 2590 | 2590 | 2590 |
| LBV | $W \geq 5.50"$ | 7-30" | 6-16d | 4-16d | 2-10d x 1 $\frac{1}{2}$ " | 2460 | 2460 | 2460 |
| LBV | $1.56" \leq W < 2.56"$ | 7-30" | 6-16d | 4-16d | 6-10d x 1 $\frac{1}{2}$ " | 2590 | 2590 | 2590 |
| LBV | $2.56" \leq W < 5.50"$ | 7-30" | 6-16d | 4-16d | 6-10d x 1 $\frac{1}{2}$ " | 2590 | 2590 | 2590 |
| LBV | $W \geq 5.50"$ | 7-30" | 6-16d | 4-16d | 6-10d x 1 $\frac{1}{2}$ " | 2460 | 2460 | 2460 |
| B | $1.81" \leq W < 2.56"$ | 7-30" | 6-16d | 8-16d | 6-10d x 1 $\frac{1}{2}$ " | 3640 | 3640 | 3640 |
| B | $2.56" < W < 7.25"$ | 7-30" | 6-16d | 8-16d | 6-16d x 2 $\frac{1}{2}$ " | 3890 | 3890 | 3890 |
| B | $W \geq 7.25"$ | 7-30" | 6-16d | 8-16d | 6-16d x 2 $\frac{1}{2}$ " | 3890 | 3890 | 3890 |
| HB | $1.81" \leq W < 2.56"$ | 7-30" | 6-16d | 16-16d | 10-10d x 1 $\frac{1}{2}$ " | 5300 | 5300 | 5300 |
| HB | $2.56" \leq W < 7.25"$ | 7-30" | 6-16d | 16-16d | 10-16d x 2 $\frac{1}{2}$ " | 5735 | 5735 | 5735 |
| HB | $W \geq 7.25"$ | 7-30" | 6-16d | 16-16d | 10-16d | 5650 | 5650 | 5650 |

For SI: 1 inch = 25.4 mm, 1 lb = 4.45 N.

¹Tabulated allowable load capacities shall be selected based on duration of load as permitted by the applicable building code.

²The uplift loads have been increased for wind or earthquake loading with no further increase is allowed. Reduce loads when other load durations govern.

TABLE 1b—ALLOWABLE UPLIFT LOADS FOR LBV, B, AND HB SERIES JOIST HANGERS

| MODEL SERIES | SEAT WIDTH RANGE | HEIGHT RANGE | FASTENERS | | | UPLIFT (lbs) | |
|--------------|---------------------------|--------------|-----------|--------|----------------------------|--------------|------|
| | | | TOP | FACE | JOIST | 133% | 160% |
| LBV | $1.56" \leq W \leq 5.50"$ | 7-30" | 6-16d | 4-16d | 2-10d x 1 $\frac{1}{2}$ " | 265 | 265 |
| LBV | $1.56" \leq W \leq 5.50"$ | 7-30" | 6-16d | 4-16d | 6-10d x 1 $\frac{1}{2}$ " | 770 | 895 |
| B | $1.81" \leq W < 2.56"$ | 7-30" | 6-16d | 8-16d | 6-10d x 1 $\frac{1}{2}$ " | 825 | 990 |
| B | $W \geq 2.56"$ | 7-30" | 6-16d | 8-16d | 6-16d x 2 $\frac{1}{2}$ " | 1010 | 1010 |
| HB | $1.81" \leq W < 2.56"$ | 7-30" | 6-16d | 16-16d | 10-10d x 1 $\frac{1}{2}$ " | 1455 | 1745 |
| HB | $2.56" \leq W < 3.56"$ | 7-30" | 6-16d | 16-16d | 10-16d x 2 $\frac{1}{2}$ " | 2175 | 2610 |
| HB | $W \geq 3.56"$ | 7-30" | 6-16d | 16-16d | 10-16d | 2175 | 2610 |

For SI: 1 inch = 25.4 mm, 1 lb = 4.45 N.

¹Tabulated allowable load capacities shall be selected based on duration of load as permitted by the applicable building code.

²The uplift loads have been increased for wind or earthquake loading with no further increase is allowed. Reduce loads when other load durations govern.

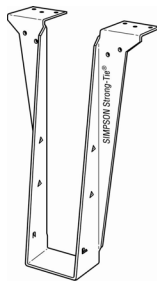


FIGURE 2a—LBV SERIES HANGER

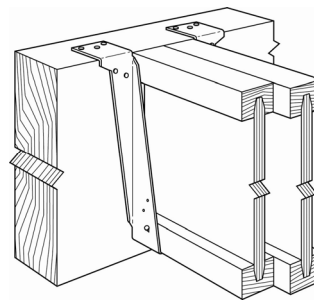


FIGURE 2b—TYPICAL LBV SERIES HANGER INSTALLATION

TABLE 2a—ALLOWABLE DOWNLOADS FOR BA SERIES JOIST HANGERS

| MODEL SERIES | SEAT WIDTH RANGE | HT RNGE | FASTENERS | | | DOWNLOAD (lbs) | | |
|--------------|-------------------|---------|-----------|--------|----------------|----------------|------|------|
| | | | TOP | FACE | JOIST | 100% | 115% | 125% |
| BA | 1.56" ≤ W < 5.50" | 7-26" | 6-16d | 10-16d | 2-10d x 1 1/2" | 3000 | 3000 | 3000 |
| BA | W ≥ 5.50" | 7-26" | 6-16d | 10-16d | 2-10d x 1 1/2" | 3435 | 3435 | 3435 |
| BA | 1.56" ≤ W < 5.50" | 7-26" | 6-16d | 10-16d | 8-10d x 1 1/2" | 3605 | 3625 | 3625 |
| BA | W ≥ 5.50" | 7-26" | 6-16d | 10-16d | 8-10d x 1 1/2" | 3800 | 3800 | 3800 |

For SI: 1 inch = 25.4 mm, 1 lb = 4.45 N.

¹Tabulated allowable load capacities shall be selected based on duration of load as permitted by the applicable building code.

²The uplift loads have been increased for wind or earthquake loading with no further increase is allowed. Reduce loads when other load durations govern.

TABLE 2b—ALLOWABLE UPLIFT LOADS FOR BA SERIES JOIST HANGERS

| MODEL SERIES | SEAT WIDTH RANGE | HEIGHT RANGE | FASTENERS | | | UPLFT (lbs) | |
|--------------|-------------------|--------------|-----------|--------|----------------|-------------|------|
| | | | TOP | FACE | JOIST | 133% | 160% |
| BA | 1.56" ≤ W ≤ 5.50" | 7-26" | 6-16d | 10-16d | 2-10d x 1 1/2" | 265 | 265 |
| BA | 1.56" ≤ W ≤ 5.50" | 7-26" | 6-16d | 10-16d | 8-10d x 1 1/2" | 1055 | 1170 |

For SI: 1 inch = 25.4 mm, 1 lb = 4.45 N.

¹Tabulated allowable load capacities shall be selected based on duration of load as permitted by the applicable building code.

²The uplift loads have been increased for wind or earthquake loading with no further increase is allowed. Reduce loads when other load durations govern.

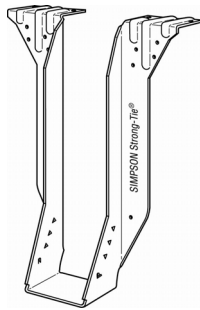


FIGURE 3a—BA SERIES HANGER

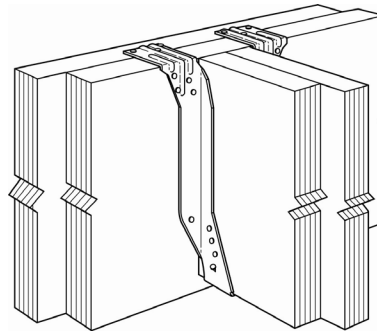


FIGURE 3b—TYPICAL BA SERIES HANGER INSTALLATION

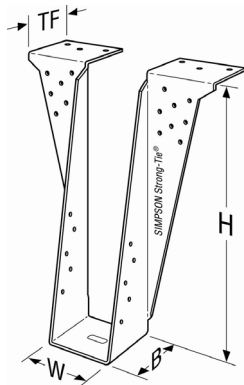


FIGURE 4—HB SERIES HANGER

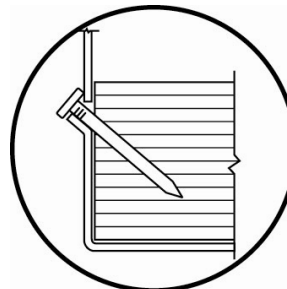


FIGURE 5—POSITIVE ANGLE NAILING (PAN) JOIST NAILING FOR LBV AND BA SERIES HANGERS