

Z-Line Heavy Duty Boltless Rack Installation Instructions

Tennsco Corp., Dickson, TN 37056-1888 • (615) 446-8000

RETAIN INSTRUCTIONS FOR FUTURE REFERENCE!

Congratulations on your purchase of Z-Line Heavy Duty Boltless Rack from **Tennsco**! Z-Line's interlocking keyhole design not only makes installation fast and easy but eliminates the need for clips, gussets, sway braces or other hardware commonly used in conventional shelving. This allows completely free access to your stored materials from all sides of the unit.

Z-Line Boltless Rack is available in both standard- and heavy-duty strengths, in a variety of heights, widths and depths, to fit virtually any storage application. Adding an extra shelf is quick and easy. And starter and adder units allow for joining shelving units together.



SHELF LOAD CAPACITIES*

| Unit Width | Recommended Deck Supports | Load Capacity, With Deck Supports |
|------------|---------------------------|-----------------------------------|
| 48" | 1 | 2500 lbs. |
| 60" | 1 | 2250 lbs. |
| 72" | 2 | 2000 lbs. |
| 84" | 3 | 1750 lbs. |
| 96" | 3 | 1600 lbs. |

* Total weight capacity not to exceed 13,000 lbs. per unit (3,250 per post) for SUR posts. Total weight capacity not to exceed 11,000 lbs. per unit (5,500 lbs. per post) for ZTP posts.

GENERAL SAFETY INFORMATION

Some parts may have sharp edges. CARE must be taken when handling the pieces to avoid injury. For safety, wear a pair of work gloves when assembling or performing any maintenance on shelving.

LIMITED WARRANTY

Tennsco warrants goods purchased hereunder to be free of defects in materials and workmanship for a period of one (1) year from the date of shipment, hereunder. This warranty shall not apply in the event goods are damaged as a result of misuse, abuse, neglect, accident, improper application, modification or repair by persons not authorized by Seller, where goods are damaged during shipment, or where the date stamps on the goods have been defaced, modified or removed. UNLESS CONSIDERED UNENFORCEABLE OR UNLAWFUL UNDER APPLICABLE LAW:

- ALL IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO WARRANTIES OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED:
- BUYERS REMEDY, IF ANY, FOR ANY DEFECTIVE GOODS SHALL BE LIMITED TO A REFUND BY SELLER OR REPLACEMENT OF THE GOODS AT SELLER'S OPTION, AND SHALL IN NO EVENT INCLUDE DAMAGES OF ANY KIND, WHETHER INCIDENTAL, CONSEQUENTIAL OR OTHERWISE.

NO GOODS ACCEPTED FOR RETURN WITHOUT PRIOR APPROVAL. Seller shall have the right to inspect any goods claimed to be defective at Buyer's place of business or require Buyer to return the goods to Seller for inspection on Seller's premises. Transportation charges covering returned goods will be borne by Seller only if such goods are proven to be defective, are covered by this warranty and are returned within the warranty period stated above.

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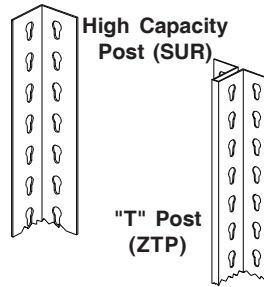
ASSEMBLY OF HEAVY-DUTY BOLTLESS RACK

Tools Needed: A rubber mallet for seating the shelf supports. Two people are recommended for assembly.

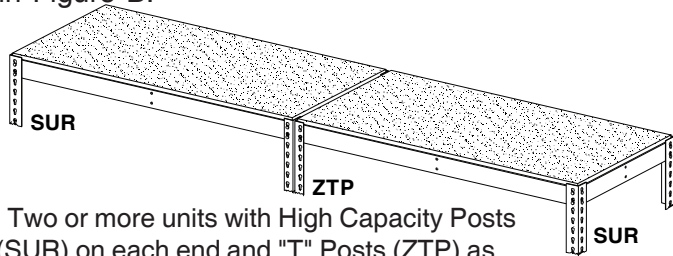
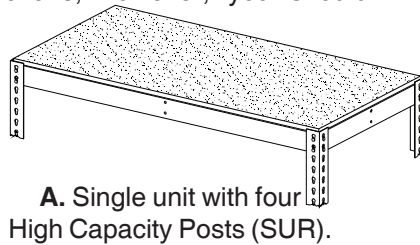
Approximate assembly time: 15 to 30 minutes per section.

1. The reference numbers used throughout this sheet refer to the illustration on the back cover. This is to help you to identify the various parts as they are mentioned.

2. Depending upon whether you are assembling a single unit or an adder unit, you may have one or both of the styles of upright shown at right:

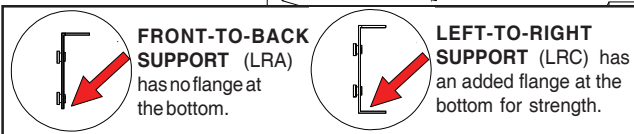
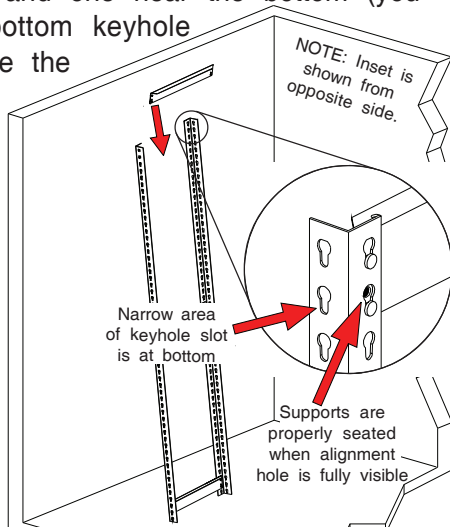


A single unit uses SUR posts for all four uprights, as shown below in Figure A. If you plan on assembling multiple sections, however, you should build your starter unit with two ZTP posts on one end, which will provide common posts for adjacent sections, as shown in Figure B.

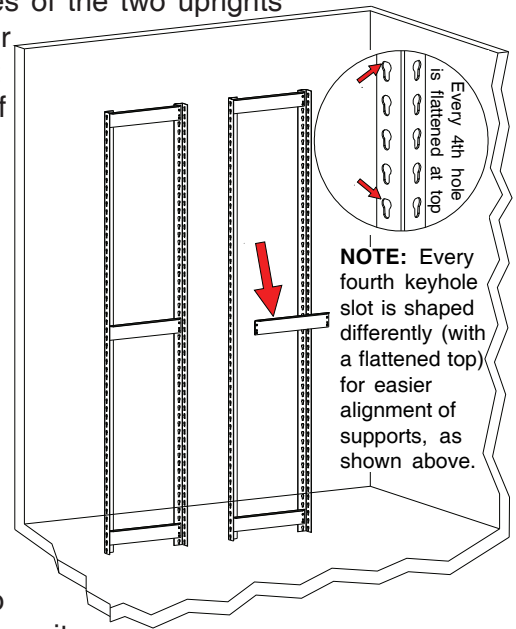


3. With help from an associate, or using a wall for support, connect two SUR uprights (Ref. No. 1a) together with two front-to-back supports (Ref. No. 2), one at the top and one near the bottom (you should leave the bottom keyhole slot empty). Be sure the supports are fully seated in the slots, as shown at right.

NOTE: Front-to-back supports are different than left-to-right supports. Be sure you are using the correct supports on the ends, as shown in the box below.



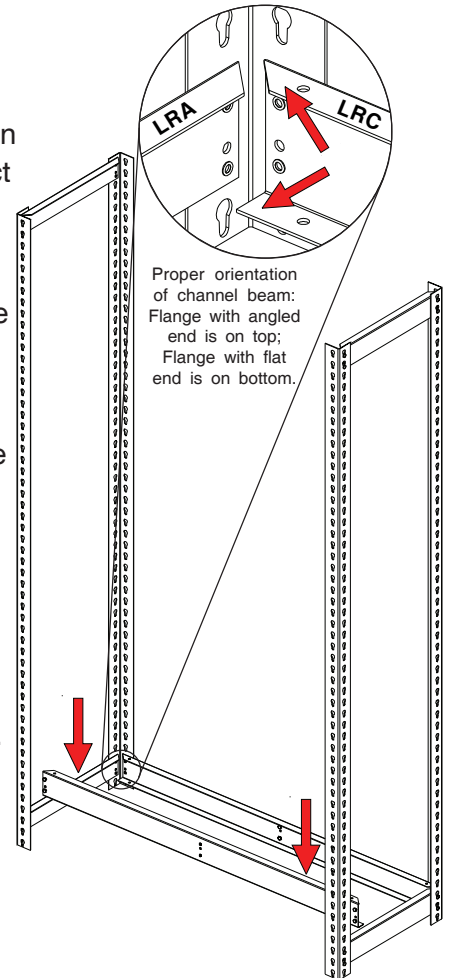
4. Place a third front-to-back end support in the middle keyholes of the two uprights (or at whatever level you want your third shelf to be). This forms one end of the shelving unit.



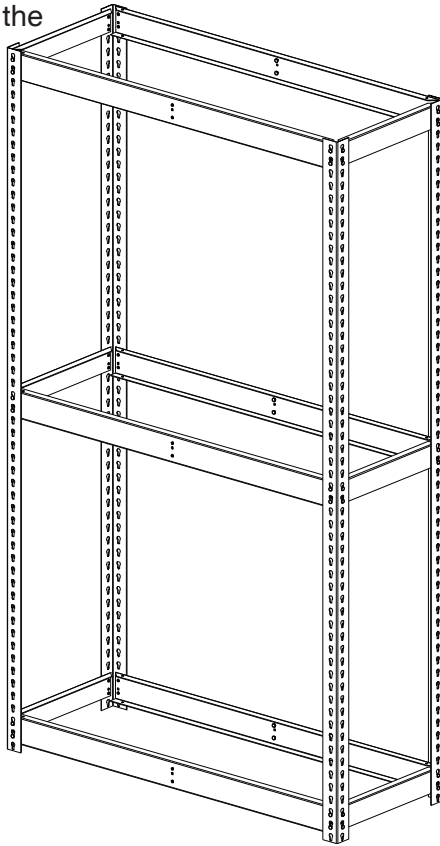
5. Repeat steps 3 and 4 to construct a second set of unit ends.

NOTE: If you are planning to install an adder unit, this second set should consist of ZTP uprights (Ref. No. 1b) to act as an intermediate assembly. Carefully re-read through step 2 to better understand this.

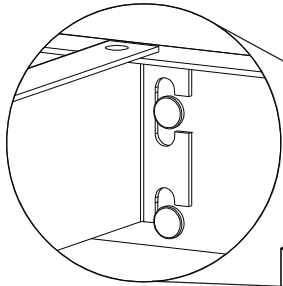
6. With the help of an associate, connect the two unit ends with left-to-right channel beams (Ref. No. 3). If the top flange on the front-to-back end support interferes with the top flange on the channel beam, your channel beam is upside-down. The flange with the angled ends must be on top, as shown at right. Be sure that the channel beams are fully seated, as was illustrated in step 3.



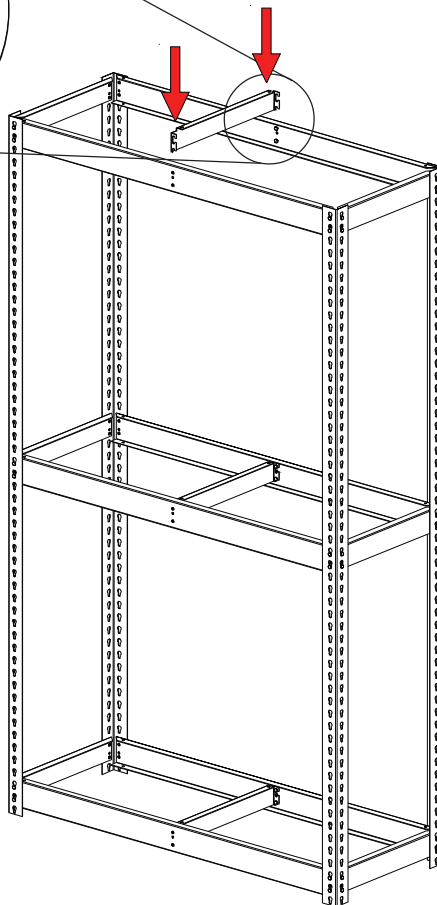
7. Attach the remaining channel beams at the same levels you placed the end supports, making sure that all are completely seated in the upright slots.



NOTE: If you have purchased additional shelf levels, the end supports and channel beams for the extra levels may also be inserted at this time.

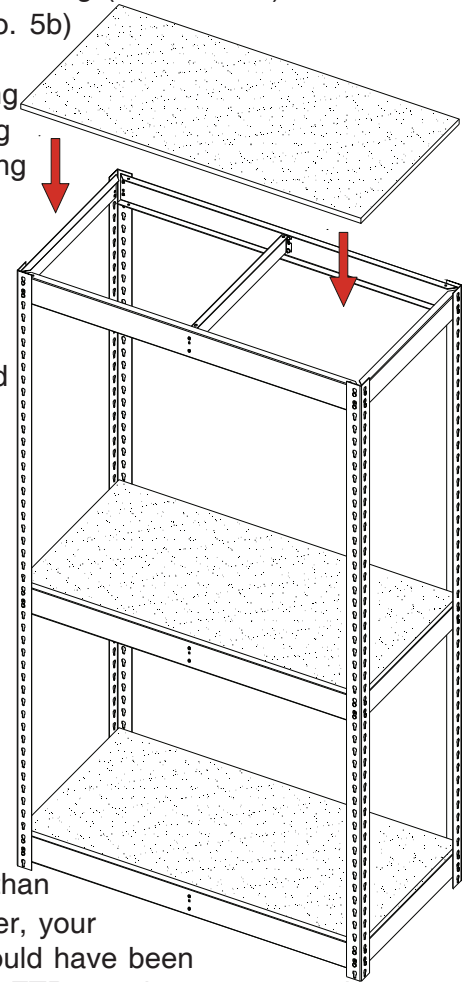


8. Attach shelf reinforcements (Ref. No. 4) at each level by sliding onto the rivets until centered. Tap reinforcements down until they are seated firmly.



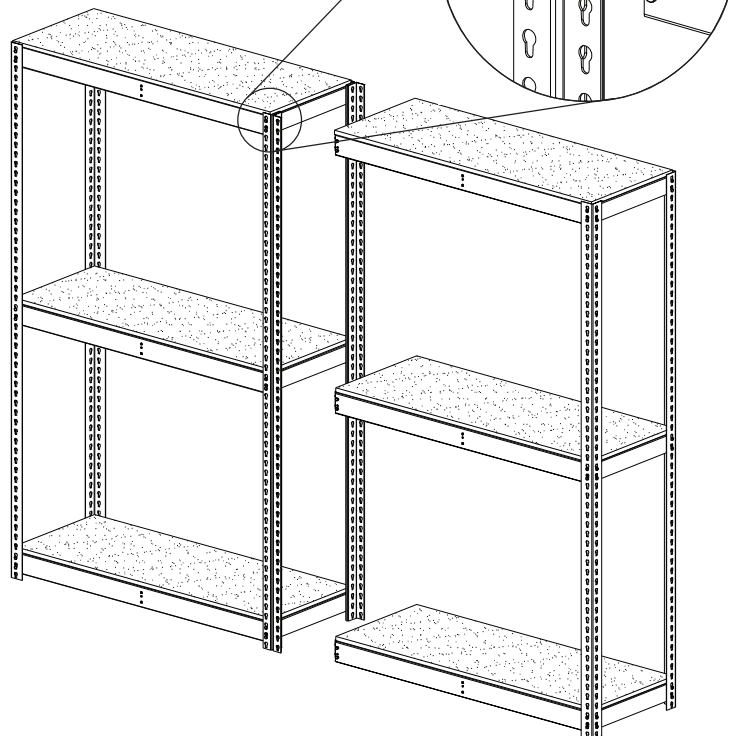
NOTE: See chart on front page for number of reinforcements recommended per shelf level.

9. If particleboard decking (Ref. No. 5a) or wire decking (Ref. No. 5b) was purchased, place the decking on each shelving level. The decking should fit flat on top of the shelf supports and reinforcements.

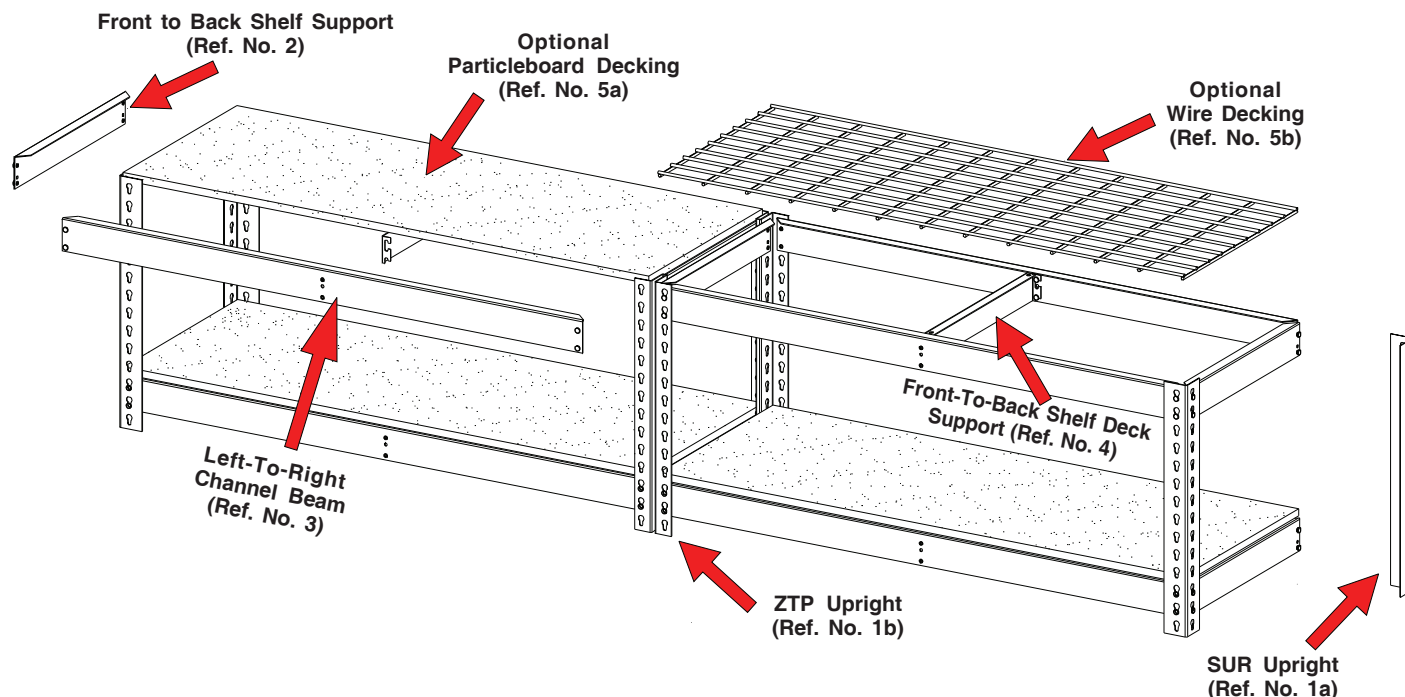


If you purchased a single unit, your shelving unit is now complete and ready to use. For adder units, see step 10.

10. If joining more than one unit together, your original unit should have been assembled with ZTP uprights on one end, as described in step 5. Simply continue adding shelf supports and uprights to complete your additional units.



REPLACEMENT PARTS



| SINGLE OR STARTER UNIT | | | | ADDER UNIT | | | |
|------------------------|----------------------------------|-------|------------|------------|----------------------------------|-------|------------|
| REF. NO. | DESCRIPTION | QTY.* | PART NO.** | REF. NO. | DESCRIPTION | QTY.* | PART NO.** |
| 1a | High Capacity Post | 4 | SUR-hh | 1b | "T" Post | 2 | ZTP-hh |
| 2 | Front-to-Back Shelf Support | | | 2 | Front-To-Back Shelf Support | | |
| | 12" to 32" Shelf Depth | 6 | LRA-dd | | 12" to 32" Shelf Depth | 6 | LRA-dd |
| | 36" to 48" Shelf Depth | 6 | LRA-ddG | | 36" to 48" Shelf Depth | 6 | LRA-ddG |
| 3 | Left-To-Right Channel Beam | 6 | LRC-ww | 3 | Left-To-Right Channel Beam | 6 | LRC-ww |
| 4 | Front-To-Back Shelf Deck Support | *** | SDS-dd | 4 | Front-To-Back Shelf Deck Support | *** | SDS-dd |
| 5a | Optional Decking-Particleboard | 3 | PB-wwdd | 5a | Optional Decking-Particleboard | 3 | PB-wwdd |
| 5b | Optional Decking-Wire | 3 | ZWD-wwdd | 5b | Optional Decking-Wire | 3 | ZWD-wwdd |

* Quantities apply to the basic 3-shelf unit only. If you have ordered additional shelf levels, quantities will vary accordingly.
 ** Where the suffix "ww", "dd", or "hh" is used in the part number, the width (ww), depth (dd) or height (hh) is substituted in the part number. For example, for an 84" high Angle Post, the part number would be SUR-84.
 *** LRCs ranging from 48"w to 60"w come with 1 SDS-dd; 72"w comes with 2 SDS-dd; 84"w to 96"w comes with 3 SDS-dd.



Tennsco makes every effort to ensure that all units ship complete and arrive undamaged. However, should your unit contain missing or damaged parts, replacements may be obtained directly from us. To obtain proper replacement parts, follow the instructions below, or fill out the form at www.tennsco.com/replacement.cfm.

TO OBTAIN PROPER REPLACEMENT PARTS, PLEASE PROVIDE THE FOLLOWING INFORMATION:

- Description of part(s) needed and part number(s) as shown in Parts List (above)
- Color (i.e. Medium Grey, etc.)
- Was item missing, or was it damaged?
- Purchase Date
- Your company name
- Contact person's name/address/phone number
- Company the product was purchased from

Tennsco Corp., P.O. Box 1888, Dickson, TN 37056-1888 Voice: (800) 251-8184 Fax: (800) 722-0134
 If requesting parts by telephone, ask for customer service and have as much of the above information ready as possible.
 Or, if you prefer, you can fill out the parts replacement form at www.tennsco.com/replacement.cfm.