A GENERAL INSTALLATION GUIDE FOR
RIDG-U-RAK
DRIVE-IN / DRIVE-THRU
STORAGE SYSTEMS

Proudly Made in the USA

IG-DI-1
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I. INTRODUCTION

This document is a procedural guide only intended for the purpose of installing a RIDG-U-RAK storage system.

Due to the numerous types of storage rack systems the customer and installer should review thoroughly all instructions, bills of material, RIDG-U-RAK installation drawings and this guide prior to starting. By doing so, you will provide yourself with a basic understanding on how to install a RIDG-U-RAK storage system. Some rack system designs may be unique, driven by a variety of factors. Understanding these differences is critical in determining the best procedure for erecting the system. A well-executed installation will ultimately depend on the experience of the installation crew and how well they understand the specific system configuration and characteristics. Any questions regarding the above information should be brought to the attention of RIDG-U-RAK.

Due to the unknown factors that may have occurred after the original storage rack installation, defining how to demolish or remove an existing rack system is not the responsibility of RIDG-U-RAK. This installation guide is not a guideline for removal or demolition of racking systems.

TECHNICAL ASSISTANCE

After reviewing all documents, should you experience difficulty with any aspect of the installation of the rack system, please call the RIDG-U-RAK installation manager at, (814)-725-8751. If we receive a call from an installer on site, we can assist with questions or difficulties.

SAFETY

A safe working environment is an important key to a successful installation. Safety should always be the highest priority in every step taken during the install process. It is important to adhere to all safety guidelines set forth by your employer, customer, and state and federal guidelines. If you have any questions or concerns during your install about safety, please reach out to your project manager or site manager. Another great resource for rack safety tips and guidelines is an online blog created by RMI (Rack Manufactures Institute). http://www.rmireacksafety.org/

Keep in mind each job site may have additional guidelines not covered by this guide.
II. PRIOR TO INSTALLATION

Step 1. Clear the area. - The installation area must be free and clear. Free and clear is defined as the install area being empty and ready for an unimpeded installation.

Step 2. Check floor slab flatness. - Find the high point(s) of the floor in the rack installation area. Lay out a rack column grid pattern on the floor within the racking install area to determine if additional shimming may be required. This will also verify if the floor is sloped. (Note: Check the floor for elevation within 6 inches of where the grid indicates the rack columns should land.) If the floor is not level, shimming may be required to achieve a level system. If the floor is sloped, contact the onsite project manager and RIDG-U-RAK for further instructions.

Step 3. Create chalk lines. - A good installation begins with an accurate and straight Mason’s line. A Mason’s line is defined as a heavy string or chord used to align courses of masonry. Using a tape measure and a chalk line, establish a starting reference point. This reference point begins the grid pattern, which is relative to the Mason line. The grid pattern must be square. The squareness should be verified by checking equal diagonal measurements.

Step 4. Locate the upright frames. - Upright frames shall be installed vertically plumb in both down aisle and cross aisle directions, to a maximum deviation of H”/480 over the rack height. This should be done with either a plumb bob or surveying equipment, and shimmed as required. (See “Shim” section on page 23 for further information.)

Step 5. Identify components and hardware. - Prior to assembly, it is important to verify all items have been received. Use the packing list provided to verify. “Supplemental Drawing(s)” may be used to identify and locate components in the system. Do not, under any circumstances, use any hardware other than that which is specified without written approval from RIDG-U-RAK. Refer to the connection details of this guide below to determine the correct hardware for all connections. (See packing list examples in the back of this guide.)
III. GENERAL DESCRIPTION OF SYSTEM

Drive-In systems are a high density storage system best suited for last-in, first out (LIFO) storage requirements. Drive-Thru systems are similar to Drive-In systems as they can be accessed from either end and can be used for first-in, first-out (FIFO) storage requirements.

These storage rack systems feature narrow-pallet storage lanes running perpendicular to the working aisles. Pallets are stored on the floor and on the elevated parallel rails.

Drive-in rack systems should be started with the installation of a single bay. Refer to the proper “Rack Profile, Supplemental Drawings, and the Bill of Material,” prepared for this particular system. The instructions herein may also contain pertinent information. Identify and gather the correct components for a single bay at this time. Be sure to check for special or optional components before initiating the installation process. See section VIII, “Drive-In/Drive-Thru Accessories” on pages 31-35.

**Example Rack Profile** - See any supplemental drawings provided specific to your Drive-In system.
IV. DRIVE-IN/DRIVE-THRU COMPONENTS

ROLLED RAIL SUPPORTS

TEE’S

Standard TEE - Roll Form (TR)  Standard TEE - Roll Form - Upright Connection

Figure 1 – TR = Nomenclature for Tee Roll Form, see pg. 39  Figure 2 - (4) ½-13x1"LG Hex HD Bolt & Whiz-Lok Nuts
(Torque = 57ft.lbs)

Standard TEE - Roll Form - Upright and Rolled Rail Connection with Hardware

Figure 3 - (2) 3/8-16x1"LG Hex HD Bolt & Whiz-Lok Nuts (Torque = 23ft.lbs)
SPLICE TEE’S

Splice TEE - Roll Form (TR)  Splice TEE - Roll Form with Upright Connection

Figure 4 - TR = Nomenclature for Splice TEE, see pg. 39

Figure 5 - (4) ½-13x1”LG Hex HD Bolt & Whiz-Lok Nuts
(Torque = 57ft.lbs)

Splice TEE - Roll Form-Upright and Rolled Rail Connection with Hardware

Figure 6 - (4) 3/8-16x1” LG Hex HD Bolt & Whiz Lok Nuts (Torque = 23ft.lbs)
ELL’S

Standard ELL - Roll Form (LR)  Standard ELL - Roll Form Upright Connection

Figure 7-LR = Nomenclature for Roll Form ELL see pg. 39

Figure 8 - (4) 1/2-13x1”LG Hex HD Bolt & Whiz-Lok Nuts
(Torque = 57ft.lbs)

ELL - Roll Form - Upright and Rolled Rail Connection with Hardware

Figure 9 - (1) 3/8-16x1” Hex HD bolt & Whiz-Lok Nuts (Torque = 23ft.lbs)
SPLICED ELL’S

Spliced Rolled Rail - ELL (LR)  Spliced Rolled Rail - ELL with Upright Connection

Figure 10 – LR = Nomenclature for Spliced ELL see pg. 39         Figure 11 - (4) 1/2-13x1"LG Hex HD Bolt & Whiz-Lok Nuts
(Torque = 57ft.lbs)

Spliced Rolled Rail - ELL Upright and Rolled Rail Connection with Hardware

Figure 12 - (2) 3/8-16x1" Hex HD Bolt & Whiz-Lok Nuts (Torque = 23ft.lbs)
**ALTERNATE ELL’S**

**Alternate ELL - (AR)**

**Alternate ELL with Upright Connection**

![Figure 13 - AR=Nomenclature for Alternate ELL](image1)

![Figure 14 - (3) ½-13x1"Hex HD Bolt & Whiz-Lok Nuts (Torque = 57ft.lbs.)](image2)

**Alternate ELL - Upright and Rolled Rail Connection with Hardware**

![Figure 15 - (1) 3/8-16x1" Hex HD Bolt & Whiz-Lok Nuts (Torque = 23ft.lbs)](image3)
**BASIC BEAMS**

**Basic Beam (BR)**

**Basic Beam with Upright Connection**

Figure 16 - BR = Nomenclature for Basic Beam see pg. 41

Figure 17 - (4) ½ -13x1” Hex HD Bolt & Whiz-Lok Nuts (Torque = 57ft.lbs)

**Basic Beam - Upright and Rail Connection with Hardware**

Figure 18 - (2) 3/8-16x1” Hex HD Bolt & Whiz-Lok Nuts (Torque = 23ft.lbs)
**TOP BRACE - Roll Form Upright Frames**

**Top Brace (TB)**

**Top Brace with Upright**

Figure 19 - TB = Nomenclature for a Roll Formed Top Beam, see pg.41

Figure 20 - (4) ½-13x1" Hex HD Bolt & Whiz-Lok Nuts (Torque = 57ft.lbs)

**Top Brace Connection and Hardware**

Figure 21 - Attach both ends (1 end shown)
SPACE SAVER RAIL SUPPORTS

TEE’S

Space Saver Rail - TEE (SST)  Space Saver Rail - Tee with Upright Connection

Figure 22 - SST = Nomenclature for Space Save TEE, see pg. 39  Figure 23 - (4) 1/2-13x1”LG Hex HD Bolt & Whiz-Lok Nuts  
(Torque = 57ft.lbs)

Space Saver Rail - TEE - Upright and Rail Connection with Hardware

Figure 24 - (2) 1/2-13x1.25” BTN HD Bolt & Whiz-Lok Nuts (Torque = 57ft.lbs)
ELL’S

Space Saver Rail - ELL (SSL)

Space Saver Rail - ELL - Upright Connection

Figure 25 - SSL = Nomenclature for Space Saver ELL, see pg.39

Figure 26 - (4) 1/2-13x1"LG Hex HD Bolt & Whiz-Lok Nuts (Torque = 57ft.lbs)

Space Saver Rail - ELL - Upright and Rail Connection with Hardware

Figure 27 - (1) 1/2-13x1.25" BTN HD Bolt & Whiz Lok Nuts (Torque = 57ft.lbs)
SPACE SAVER RAIL - Spliced Rail

Space Saver Rail - Spliced Rail (SSR)  Space Saver Rail - Spliced Rail with Hardware

Figure 28 - Longer rails may contain a splice.
SSR = Nomenclature for Space Saver Rail-Spliced rail, see pg. 40.

Figure 29 - (4) 3/8-16x1 1/4" SKFL HD Bolt & Whiz Lok Nuts
(Torque = 23ft.lbs)

Space Saver Rail - Spliced Rail with Hardware & Connection

Figure 30 - Shown Attached
BASIC BEAMS

Basic Beam (SBG)                                      Space Saver with Upright

Figure 31 - SBG = Nomenclature for Space Saver Basic Beam see pg.41

Figure 32 - (4) ½-13x1” Hex HD Bolt & Whiz-Lok Nuts  
(Torque = 57ft.lbs)

Basic Beam Connection with Hardware

Figure 33 - (2) 3/8-16x1 1/4” SKFL HD & Whiz Lok Nuts (Torque = 23ft.lbs)
TOP BRACE – Structural Upright Frames

Top Brace (STB)  

Top Brace with Upright

Figure 34 - STB = Nomenclature for Top Beam Structural Brace, see pg.41

Figure 35 - (4) ½-13x1” Hex HD Bolt & Whiz-Lok Nuts  
(Torque = 57ft.lbs)

Top Brace Connection with Hardware

Figure 36 - Attach both ends (1 end shown)
V. START INSTALLATION

Step 1. Begin the Drive-In starter bay. - Start the basic beam section of the first bay. Identify and locate the components that are required for this section. Unless otherwise specified, position the upright frames so that the diagonal slopes downward from the front column to the back column.

Step 2. Raise the first upright frame. - Using the appropriate equipment, raise all upright frames in a safe and controlled manner. Begin with the first upright frame and place into position. Hold that upright frame firmly in place in a manner that does not allow it to topple or fall. Using the appropriate hardware, attach a top brace or a basic beam as a temporary brace to each column of the upright frame. The temporary brace should attach approximately 12" above the floor.
Step 3. **Raise and firmly secure the second upright frame.** - After firmly securing the first upright frame in place, raise the next upright frame in the down aisle direction. Attach the second upright frame to the temporary braces.

![Diagram of Drive-In / Drive-Thru installation showing upright frames, cross aisle, temporary braces, chalk line, Mason line, basic beam, and down aisle.]

Step 4. **Finish the build of the section.** - Continue to firmly brace the upright frame section, while installing the required basic beams and/or top braces at the required locations in this section. For a Drive-Thru system, top braces are only required. Tighten all hardware connection to the torque specifications. This section becomes the anchor for the rest of the starter bay.

![Diagram showing basic beam, temporary brace, Mason line, chalk line, and Drive-In / Drive-Thru installation components.]
Step 5. **Plumb, Shim, Level, and Square the bay.** - Once all components of the basic section, *excluding* the pallet rails, are installed and tightened to the recommended specifications, it is time to level, plumb, and square the starter section.

a.) **Plumb** - Plumb means the upright frame does not tilt or lean in either the down aisle or cross aisle direction. The maximum out-of-plumb measurement allowed in either down-aisle or cross-aisle direction is $H''/480$ where $H$ is the height of the upright (inches).

**Cross Aisle - Side View**

**Down Aisle - Frontal View**
b.) **Level** - Level means the upright frame is level in the cross aisle and down aisle direction and the two upright frames are level to each other.

**Down Aisle - Frontal View**

**Cross Aisle - Side View**
c.) **Shim** – Shims are placed under the base plate to ensure that the rack is level, as required. Not all upright frames will require shimming. (Note, shim stacks equal to or greater than 1" thick must be welded together.)

![Shim Diagram]


d.) **Squareness** - Square means all components are at 90 degrees and are parallel to the same components throughout the bay. The entire bay must be square in the cross aisle and down aisle direction. This can be confirmed by comparing the diagonal hypotenuses of the bay.

![Squareness Diagram]
**Step 6 Anchoring & Embedment** - After the installed starter bay is level, plumb, and square, anchor the upright frames in place. Once the upright frames are anchored the starter section is complete. **DO NOT** remove the temporary bracing at this time.

**Anchoring**

Unless otherwise specified, only 1 anchor is required per base plate.

The torque specifications for an anchor is based on the type and size of the anchor. Please refer to the anchor manufacturers' hardware specifications for the appropriate torque spec. This information is typically found on the anchor hardware box or manufacturers' website.

The vertical alignment of the anchor must be within the anchor manufactures' guidelines.

Drill the anchor manufactures' recommended hole size for the anchor type being used, using the base plate as a guide. This information is typically found on the anchor manufactures' hardware box or website.
**Embedment** - Embedment is defined as the minimum specified dimension that the anchor must be installed into the concrete, with the anchor seated firmly against the top of the baseplate and torqued to the required spec. Embedment is measured from the top surface of the concrete to the bottom of the anchor bolt and does not include the baseplate or shim thickness.
**Step 7. The installation of row spacers.** - Attach the row spacers to the starter bay upright frames, beginning at the top. Install the upper most spacer as close to the top horizontal of the upright frame, as possible. Attach the remaining required row spacers in intervals of approximately 10 feet with the bottom spacer no higher than 14 feet above the floor, or as instructed on any supplemental drawings provided.

### ROW SPACERS

**Row Spacer (RS)**

**Row Spacer with Upright**

![Row Spacer Diagram](image)

**Figure 38** - RS = Nomenclature for Row Spacer, see pg.38

**Figure 39** - (2) 7/16-14x3-1/2" (3" Column) or 4-1/2" (4" Column) Hex HD Bolt & Whiz-Lok Nuts (Torque = 15ft.lbs.)

**Row Spacer Bolted to Upright with Hardware**

![Row Spacer Bolted Diagram](image)

**Figure 40** - Attach both ends (1 end shown)
STRUCTURAL UPRIGHT FRAME SPACER

Structural Frame Spacer (SFS)  Structural Frame Spacer with Upright

Figure 41 - Nomenclature for Structural Frame Spacer, see pg. 38

Figure 42 - (2) ½-13x1” Hex HD Bolt & Whiz-Lok Nuts
(Torque = 57ft.lbs)

Structural Frame Spacer Connected to Upright with Hardware

Figure 43 - Attach both ends (1 end shown)
**Step 8. Sub-assembly of “TEE” AND “ELL” to the upright frames.** - The “TEE” & “ELL” pallet rail supports should be attached to the Drive-In rack upright frames and upright doubles prior to installing the rails. Tighten all attachment hardware to the recommended torque specification.

**Step 9. Finish building the starter bay.** - Raise and brace the next pair of uprights by using the previous procedures. Attach the row spacers to these uprights connecting the frames to the starter bay section frames. **DO NOT** anchor uprights at this time. Attach top bracing.

Start placing the pallet rail onto the pallet rail supports. Once the second set of uprights are installed, attach rails to the supports, and hand tighten the attachment hardware as you go. **DO NOT** anchor these uprights. Continue to build the entire starter bay section of the row following the previous procedures.

**Step 10. Level, plumb, square, and anchor the starter bay.** - After the entire starter bay is completed; level, plum, and square the entire bay. Anchor the upright frames.
Step 11. **Check & Tighten all bolted connections.** - Bolted connections in the Drive-In system should now be tightened and torqued to the proper specifications.

Step 12. **Remove the temporary bracing.** - All temporary bracing may now be removed.

Step 13. **Finish building the Drive-In section.** - Install all remaining bays of the drive-in or drive-thru racking by repeating the previously stated steps. Approximately every 5th bay, check the squareness of the system during the install and adjust if necessary.
VIII. COMPLETION CHECK

Before releasing the Drive-In or Drive-Thru system for use, have you...

---------- Installed all required component parts including any optional accessories?

---------- Installed, tightened and torqued all bolts or connections to the required specifications?

---------- Verified to see if the system is square?

---------- Plumbed and leveled all upright frames and/or upright doubles?

---------- Anchored all upright frames and/or upright doubles with the correct anchor type & quantity?

---------- Cleaned up the work site?

---------- Received the customer approvals and signed off?
IX. **DRIVE-IN/DRIVE-THRU ACCESSORIES**

**Floor Guides** run the depth of the system to help guide the fork truck in the Drive-In storage bay and also help reduce the incidence of internal upright frame impact damage.

**Floor Guide (FG)**

**Floor Guide – Attaching to Upright with Hardware**

![Figure 44 - Anchor, Floor Guide, and Frames Together](image1)

**Floor Guide Attached to Upright with Anchors Installed**

![Figure 45 - Shown attached](image2)
**Pallet Rail Stops** attach to the end of the pallet rails.

**Pallet Rail Stop (PS)**

**Pallet Rail Stop with Upright and Hardware**

*Figure 46 - 1-3/8x16x1" Hex HD Bolt & Whiz Lok Nuts (Torque Spec = 23ft.lbs) *Attaches to the rail using the bolt supplied in the basic beam kit.*

**Pallet Rail Stop with Upright and Hardware Connection**

*Figure 47 - Shown attached*
Bolted Load Stops attach to the upright frames.

**Bolted Load Stop (BLS)**

**Bolted Load Stop with Upright and Hardware**

Figure 48 - 4-1/2-13X1" Hex HD Bolt & Whiz Lok Nuts
(Torque Spec = 57ft.lbs.)

**Bolted Load Stop with Upright and Hardware Connection**

Figure 49 - Shown attached
**G.R.-Structural** is a heavy duty row spacer that serves as a guide rail.

**G.R. Structural (GR)**

**G.R. Structural with Upright and Hardware**

![Diagram](image)

**Figure 50 - 4-1/2x13x1" Hex HD Bolt & Whiz Lok Nuts**

(Torque Spec = 57ft.lbs.)

**G.R. Structural with Upright and Hardware Connection**

![Diagram](image)

**Figure 51 - Attach both ends (1 end shown)**
Long Bolt Hardware is required when a component is attached to the face of the upright doubles or double columns. *(TEE is shown in the example below)*

**Upright Double 32D with Long Bolt Connection**

![Upright Double 32D with Long Bolt Connection](image)

*Figure 52 - ½-13x 5 ½” Lg Hex HD Bolt & Whiz Lok Nuts (Torque Spec = 57ft.lbs.)*

**Double Column 32D with Long Bolt Connection**

![Double Column 32D with Long Bolt Connection](image)

*Figure 53 - ½-13x 3 ½” Lg Hex HD Bolt & Whiz Lok Nuts (Torque Spec = 57ft.lbs.)*

**Upright Double 43B with Long Bolt Connection**

![Upright Double 43B with Long Bolt Connection](image)

*Figure 54 - ½-13x 6 ½” Lg Hex HD Bolt & Whiz Lok Nut (Torque Spec = 57ft.lbs.)*

**Double Column 43B with Long Bolt Connection**

![Double Column 43B with Long Bolt Connection](image)

*Figure 55 - ½-13x 4” Lg Hex HD Bolt & Whiz Lok Nuts (Torque Spec = 57ft.lbs.)*
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North East, PA 16428  

**Ship to:**
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Steel Town, PA 16428  

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## Drive-In / Drive-Thru Installation Guide

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C/O KRUGGER

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XI. **RIDG-U-RAK PART IDENTIFICATION**

**Frames, Columns, Shims, Row Spacers, and Anchors**

**UF-M43B-24.33-46.00A01-00-5300**

UF = Upright Frame  
43 = 4 inch wide column face  
24.33 = 24 feet 4 inches tall (292 inches)  
46.00 = Frame depth in inches

**UD-M43B-24.33 01-00-23-0**

UD = Upright Double Column  
43 = 4 inch wide column face  
24.33 = 24 feet 4 inches tall (292 inches)

**UF-M32D-24.33-46.00A01-00-5300**

UF = Upright Frame  
32 = 3 inch wide column face  
24.33 = 24 feet 4 inches tall (292 inches)  
46.00 = Frame depth in inches

**UD-M32D-24.33 01-00-23-0**

UD = Upright Double Column  
32 = 3 inch wide column face  
24.33 = 24 feet 4 inches tall (292 inches)

**SM-H-05.00-06.00-3S 05-75-1E-0**

SM = shim used for frames  
H = thickness .125”  
05.00 = width of shim  
06.00 = length of shim  
3S = 3 slots  
05 = UNPAINTED

**SM-S-05.00-06.00-3S 05-75-1E-0**

SM = shim used for frames  
S = thickness .075”  
05.00 = width of shim  
06.00 = length of shim  
3S = 3 slots  
05 = UNPAINTED

**RS-L-4-052.00 13-0**

RS = row Spacer  
4 = for 4 inch wide column face  
052.00 = spacing between frames

**RS-L-3-052.00 13-0**

RS = row Spacer  
3 = for 3 inch wide column face  
052.00 = spacing between frames

**SRS-M-4-052.00 01-0**

SRS = Structural Row Spacer  
4 = for 4 inch wide column face  
052.00 = spacing between frames

**Kit – RS**

Hardware kit used with Row Spacer

**Hilti Ez Screw Anchor 5/8 – 4**

Screw Anchor  
5/8 inch (.625” diameter)  
4 = 4 inches long
**TEE & ELL Support, with Kits**

**TR-H-2-08.37-N 02-0**  
**TR** = Tee rail support (Double sided)  
2 = arm support height  
08.37 = rail and arm length from centerline  
N = not used for rail splices

**LR-H-2-08.37-R-N 02-0**  
**LR** = Ell rail support (Single sided)  
2 = arm support height  
08.37 = rail and arm length from centerline  
R = Right Hand (goes to the right when looking at the column face)  
L = Left Hand (goes to the left when looking at the column face)  
N = not used for rail splices

**SST-335-32D-08.50-N 02-33-0**  
**SST** = Tee rail support for Space Saver rail (Double sided)  
08.50 = rail and arm length from centerline  
Kit - **TR**  
Hardware kit used with **Tee rail supports**

**Kit - TR - LONG**  
Hardware kit used with **Tee rail supports on UDs**

**Kit - TR - Splice**  
Hardware kit used with **Splice Tee rail supports**

**Kit – SST**  
Hardware kit used with **Space Saver Tee rail supports**

**TR-H-2-08.37-Y 02-0**  
**TR** = Tee rail support (Double sided)  
2 = arm support height  
08.37 = rail and arm length from centerline  
Y = use at the rail splice point

**LR-H-2-08.37-R-Y 02-0**  
**LR** = Ell rail support (Single sided)  
2 = arm support height  
08.37 = rail and arm length from centerline  
R = Right Hand (goes to the right when looking at the column face)  
L = Left Hand (goes to the left when looking at the column face)  
Y = use at the rail splice point

**SSL-335-32D-08.50-N 02-33-0**  
**SSL** = Tee rail support for Space Saver rail (Single sided)  
08.50 = rail and arm length from centerline  
Kit - **LR**  
Hardware kit used with **Ell rail supports**

**Kit - LR-LONG**  
Hardware kit used with **Ell rail supports on UDs**

**Kit - LR - Splice**  
Hardware kit used with **Splice Ell rail supports**

**Kit - SSL**  
Hardware kit used with **Space Saver Ell rail supports**
Rails

RR-R-199.00 13-0
RR = rolled pallet support rail
199 = 199.00 inches long

SSR-F-33-173.00-R-N 02-0-N-0
SSR = Space Saver Rail
33 = 3 x 3 rail
34 = 4 x 3 rail 3" being the vertical
35 = 5 x 3 rail 3" being the vertical
36 = 6 x 3 rail 3" being the vertical
173.00 = rail length
R = right Hand (L = left hand)
0 = no splice plate

SSR-F-33-173.00-R-N 02-0-N-S
SSR = Space Saver Rail
33 = 3 x 3 rail
34 = 4 x 3 rail 3" being the vertical
35 = 5 x 3 rail 3" being the vertical
36 = 6 x 3 rail 3" being the vertical
173.00 = rail length
R = right Hand (L = left hand)
S = used at the rail splice location

Kit - SPU
Hardware kit used with Splice Rails
Basic Beams, Top Braces, and Kits

BR-F-2-08.37-052.00 02-0
BR = Basic beam for a rolled pallet rail
2 = arm support height
08.37 = rail and arm length from centerline
052.00 = centerline dimension

SBG-F-43B-3-52.00-3302-08.50-U
SBG = Structural Basic Beam
43 = 4 inch wide column face
3 = Height of Basic Beam
052.00 = centerline dimension
33 = rail size used with
08.50 = Arm length holes are punched
U = Used with Space Saver rail

STB= STB-C4-682-052.00 01-0
STB = Structural Frame Top Brace
C4 = use with 4 inch wide column face
682 = 6 inches tall
052.00 = centerline dimension

Kit - BR
Hardware kit used with Basic beam

Kit - BR - LONG
Hardware kit used with Basic beam on UD's

Kit - SBG - N
Kit used with Structural Basic Beam

Kit - TB
Hardware kit used with Top Braces
This document is a procedural guide only intended for installing a RIDG-U-RAK Drive-In/Drive-Thru storage system.

Should you experience difficulty with any aspect of the installation of the rack system, please call the RIDG-U-RAK installation manager at, (814)-725-8751.

For more information about RIDG-U-RAK products, or additional copies of this guide and similar documents, please visit RIDG-U-RAKS' website at: www.ridgurak.com, and locate the “downloads” section of the website.

Thank you!

120 South Lake St. North East, PA 16428