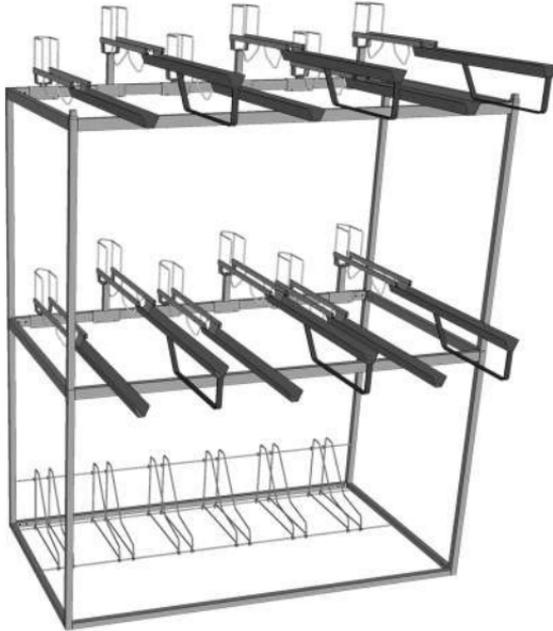




3 TIER WALL DOUBLE DECKER WITH DELUXE SPACE SAVERS

Recommended Team Members Needed: 2

Designed & Made
in the
USA



LOCATE ALL PARTS AND HARDWARE BEFORE BEGINNING RACK ASSEMBLY

These assembly instructions illustrate an 18-Bike
Wall Double Decker rack with Deluxe Space Savers.

The assembly process is the same for all Wall Double Decker
3-Tier configurations; only the quantities of parts and hardware will vary.

PARTS



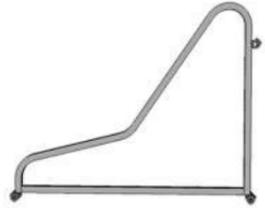
Safety Stop



Top Low Slide



High Slide Large
(Top High Slide)



Deluxe Spacesaver Side Frame



Tray



Corner Post



3rd Tier Corner Post



High Tray



43" Top Cross Bar (rectangular)



43" Bottom Cross Bar (square)



Stanchion

Deluxe Space Saver Runner



Top Rail (rectangular)

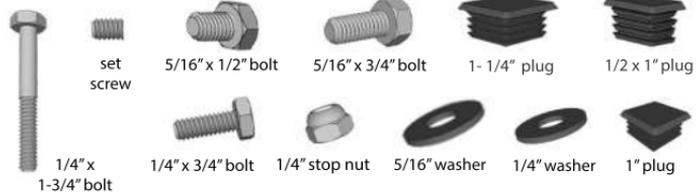


Bottom Rail (square)

TOOLS NEEDED:

- *socket wrench with 7/16" and 1/2" sockets
- *7/16" wrench
- *1/2" wrench
- *1/8" allen wrench
- *tape measure
- *pencil or chalk

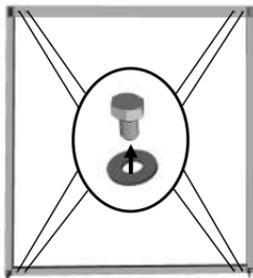
HARDWARE



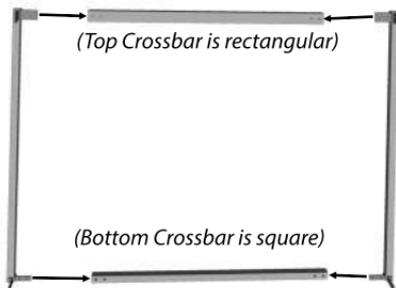
Due to the modular nature of our racks, part quantities may vary.
See packing list for part and hardware quantities.

STEP 1: Building the End Assemblies

1a. Lay 2 corner posts, 1 top crossbar and 1 bottom crossbar on a flat surface. Insert the ears of the corner posts into the crossbars.



needed: corner posts, top and bottom crossbars, 5/16" x 1/2" bolts, 5/16" washers, 1/2" wrench, 1/2" socket/wrench



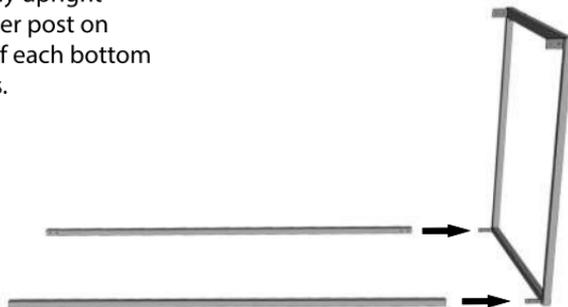
1b. Secure crossbars to end posts with 5/16" x 1/2" bolts and 5/16" washers. **(Finger-Tighten Only)**

1c. Repeat Steps 1a and 1b to complete the second end assembly, again **not fully tightening the hardware.**

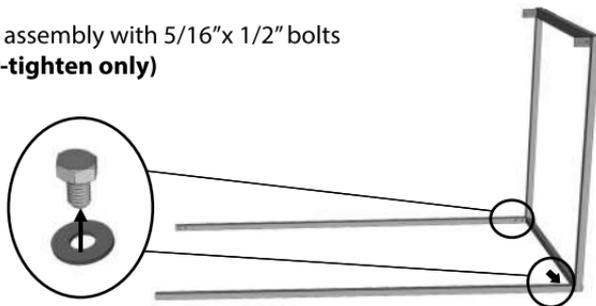
STEP 2: Connect the End Assemblies

2a. Holding one end assembly upright (with smaller ears of the corner post on the bottom), slide one end of each bottom rail over the smaller post ears.

needed: end assemblies, bottom rails, top rails, 5/16" x 1/2" bolts, 5/16" washers, 1/2" wrench, 1/2" socket/wrench

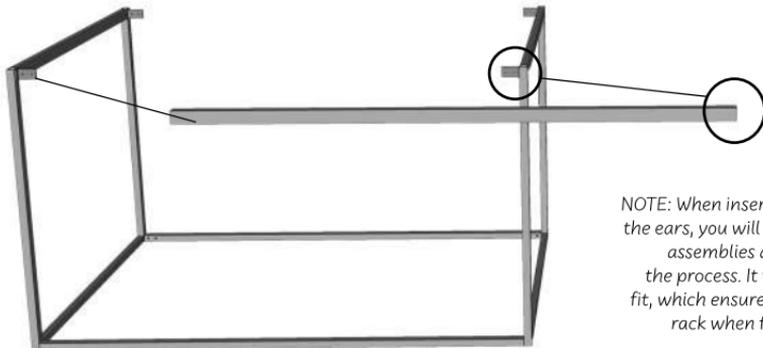


2b. Secure bottom rails to end assembly with 5/16" x 1/2" bolts and 5/16" washers. **(Finger-tighten only)**



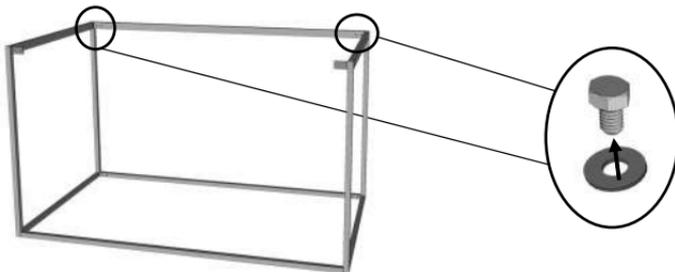
2c. Repeat Step 2a and 2b with other end assembly on opposite side.

2d. Slide one of the top rails onto the bigger ears of the end assemblies, lining up the holes on the rails with the holes on the ears.



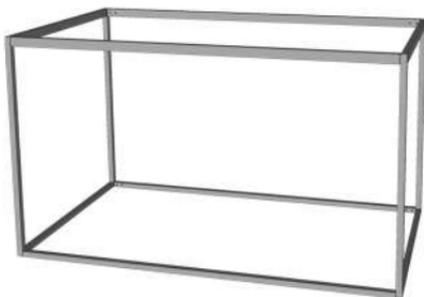
NOTE: When inserting the top rails into the ears, you will have to push the end assemblies a bit outward in the process. It will be a very tight fit, which ensures the stability of the rack when fully assembled.

2e. Secure top rail to end assembly with 5/16" x 1/2" bolts and 5/16" washers. **(Finger-Tighten Only)**



2f. Repeat Steps 2d and 2e with other top rail.

2g. Go through the 2-Tier frame and tighten all bolts.



STEP 3: Third Tier and Safety Stops

needed: 1" plugs, 1-1/4" plugs, safety stops, 3rd tier corner posts, top crossbars, top rails, 5/16"x 1/2" bolts, 5/16 washers, 1/2" wrench, 1/2" socket/wrench

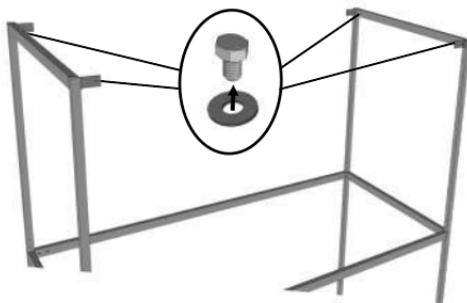
3a. Insert the 3rd tier corner posts into the tops of the lower corner posts.



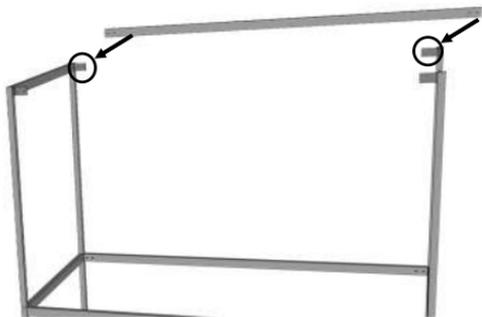
3b. Insert remaining top crossbars into ears of 3rd tier corner posts.



- 3c.** Secure crossbars to end posts with 5/16" x 1/2" bolts and 5/16" washers. (Finger tighten only)

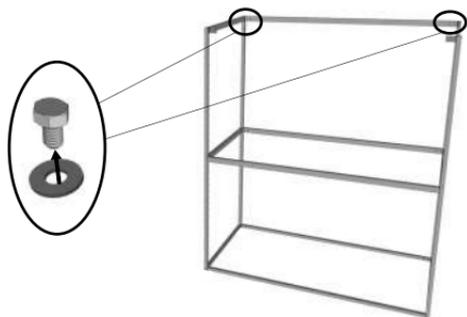


- 3d.** Slide one of the top rails onto the ears of the 3rd tier end assemblies, lining up the holes on the rails with the holes on the ears.



NOTE: When inserting the top rails into the ears, you will have to push the end assemblies a bit outward in the process--you may have to slightly re-loosen the 2nd tier rails and crossbars to do this. It will be a very tight fit, which ensures the stability of the rack when fully assembled.

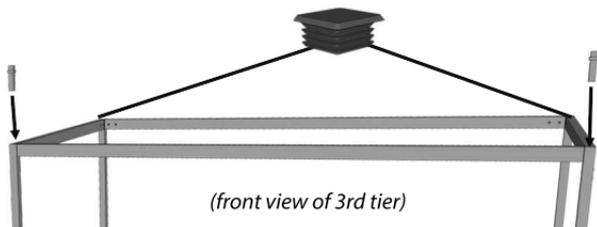
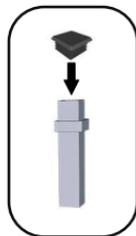
- 3e.** Secure top rail with 5/16" x 1/2" bolts and 5/16" washers. (Finger tighten only)



3g. Go back through 3rd Tier and tighten all loose bolts.

- 3f.** Repeat Steps 3d and 3e with remaining top rail.

3h. Push 1" plugs into the tops of the two safety stops. Place the 2 safety stops in front top corners of rack frame, with the plugs facing *up*.



3i. Insert 1-1/4" plugs into the top of the rear connector posts.

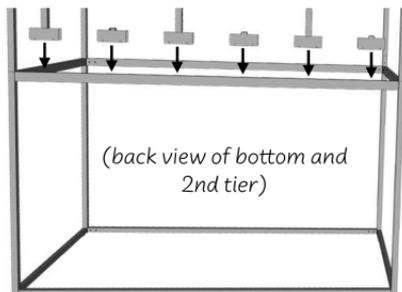
STEP 4: Attaching Slides

RECOMMENDED SLIDE SPACING:

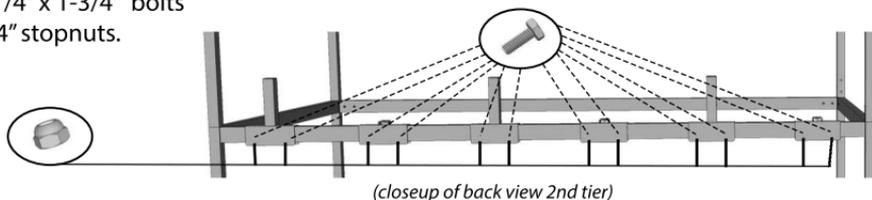
106" rails---3 7/8" from end of rail, 7 5/8" between slides
 95" rails---3 3/4" from end of rail, 7 1/2" between slides
 82" rails---3 3/4" from end of rail, 7 1/2" between slides

needed: low slides, high slides, 1/4" x 1 3/4" bolts, 1/4" stopnuts, pencil or chalk

4a. Starting on the *second tier*, fit top low slides and top high slides over the rear rail, with C channel of each slide facing the back of the rack (see close up). Alternate low and high slides, starting with low slide. **See note on recommended slide spacing above.** Use a pencil or chalk to mark spacing.



4b. Secure slides to rail using 1/4" x 1-3/4" bolts and 1/4" stopnuts.



4c. Repeat steps 4a-4b with 3rd tier top slides, again noting distance between each slide and marking with a pencil or chalk. Slide spacing and alternating should be identical to the second tier.

STEP 5: Tray Assembly

needed: stanchions, trays, high trays, 1/4" washers, 1/4" stopnuts, 1/2"x 1" plugs, 7/16" socket/wrench

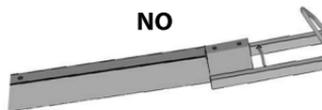
5a. Turn a stanchion and a tray upside down. Align the 2 holes on the stanchion with the 2 holes on the tray.



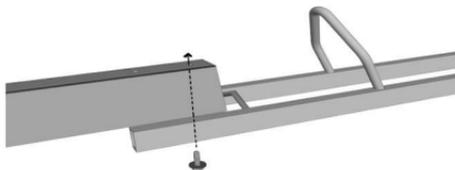
YES

(tray should be on **OUTSIDE** of stanchion, as shown to the left)

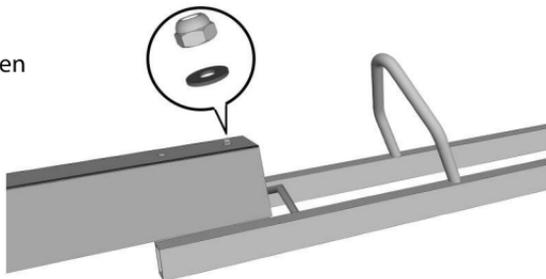
NO



5b. Place a 1/4" washer over a 1/4" x 3/4" bolt. Insert bolt with washer into one of the two holes for tray assembly.



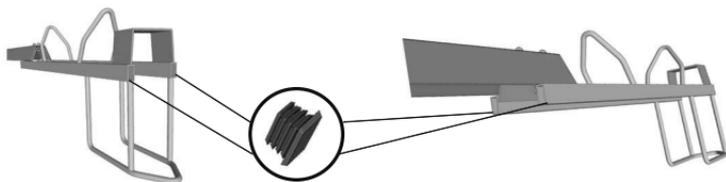
5c. Fasten bolt/washer in place using a 1/4" washer and 1/4" stop nut. Tighten using both the 7/16" socket/wrench and 7/16" wrench.



5d. Repeat steps 5b-5c for second hole, then finish tightening both bolts and stop nuts with the 7/16" socket/wrench and 7/16" wrench.

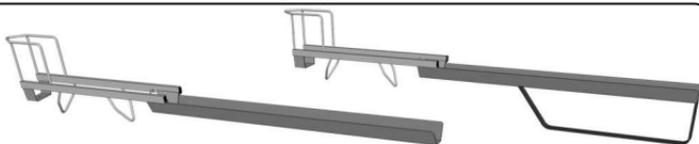
5e. Repeat steps for all remaining low and high trays

5f. Insert 1/2" x 1" plugs into the front and back of the stanchion as shown. You will need 4 plugs for each stanchion.



5g. Repeat step 5g for all remaining assembled trays.

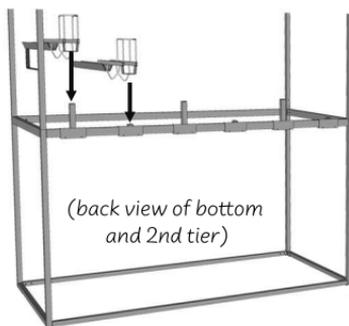
Your trays are now complete!



STEP 6: Attaching Trays to Frame

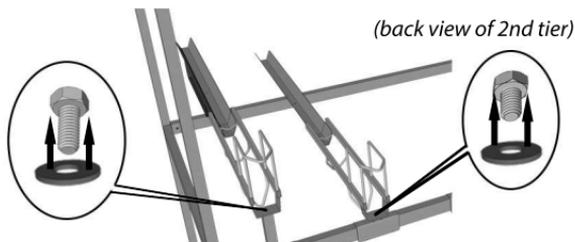
needed: assembled trays, 1-1/4" plugs, safety stops, 5/16" x 1/2" bolts, 5/16" washers, 5/16" x 3/4" bolts

6a. Starting on the second tier, align tray assembly holes with fastened slides--low tray assemblies match with low slides, high tray assemblies match with high slides.



6b. Attach low tray to low slide with a 5/16" x 1/2" bolt and a 5/16" washer.

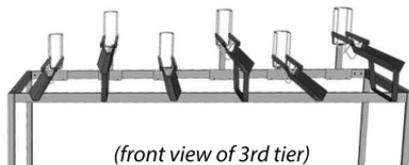
Attach high tray to high slide with a 5/16" x 3/4" bolt and a 5/16" washer.



6c. Repeat steps 6a and 6b for remaining trays on the 2nd tier.

6d. Repeat Steps 6a-6c for remaining trays on the 3rd tier.

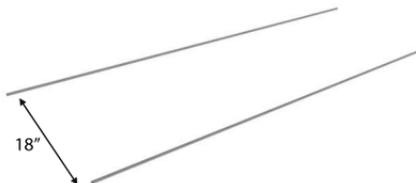
Attach all trays to 2nd tier before attaching trays to the 3rd tier.



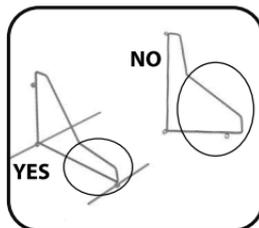
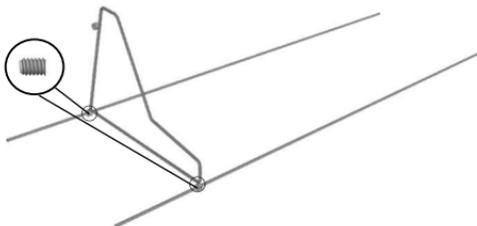
STEP 7: Deluxe Space Saver Assembly

needed: runners, deluxe spacesaver side frames, set screws, 1/8" allen wrench, tape measure

7a. Take two of the runners and lay them approximately 18" inches apart.



7b. Take one side frame and slide the two bottom tubes through the runners. Slide it down 16-20" from the end and secure to the runners using 1/4" x 3/8" set screws.



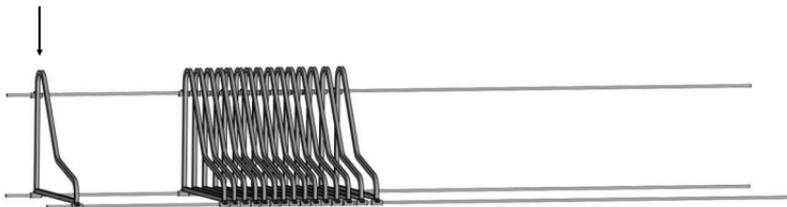
7c. Repeat **Step 7b** with remaining side frames (without attaching to runners)



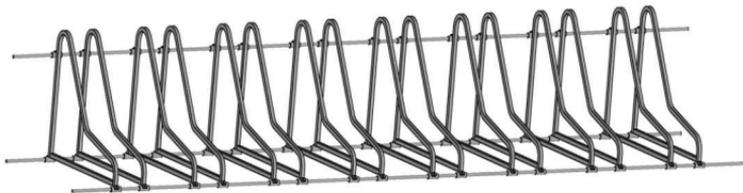
7d. Slide remaining runner through the top tubes of the side frames.



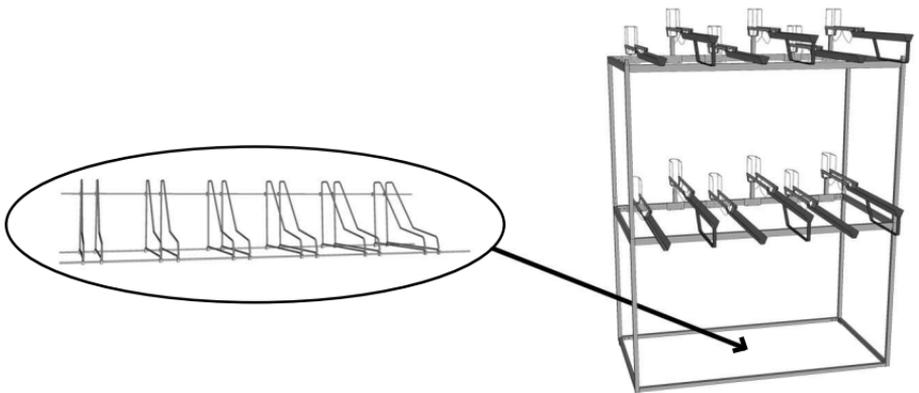
7e. Loosen the previously secured side frame. Now set the end side frame with three $1/4" \times 3/8"$ set screws.



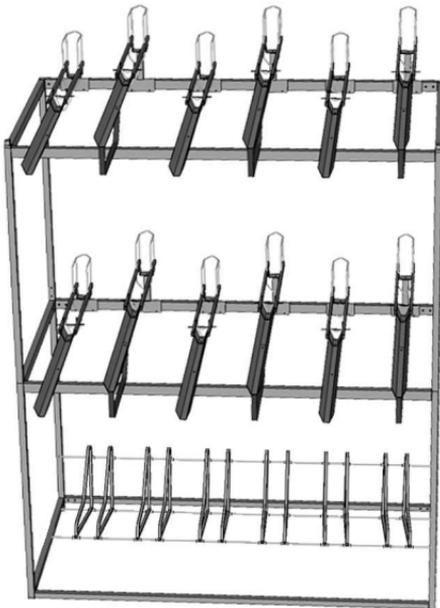
7f. Space out your side frames by rolling the rear wheel of a bike between two side frames. Secure all side frames with (3) $1/4" \times 3/8"$ Set Screws.



7g. Place assembled Deluxe Space Saver on the bottom tier.



Your rack is now complete!



BEFORE LOADING BIKES:

It is recommended that the rear derailleurs is set on the middle cog and the front derailleurs is set on the largest chain ring to prevent chain or derailleurs damage.