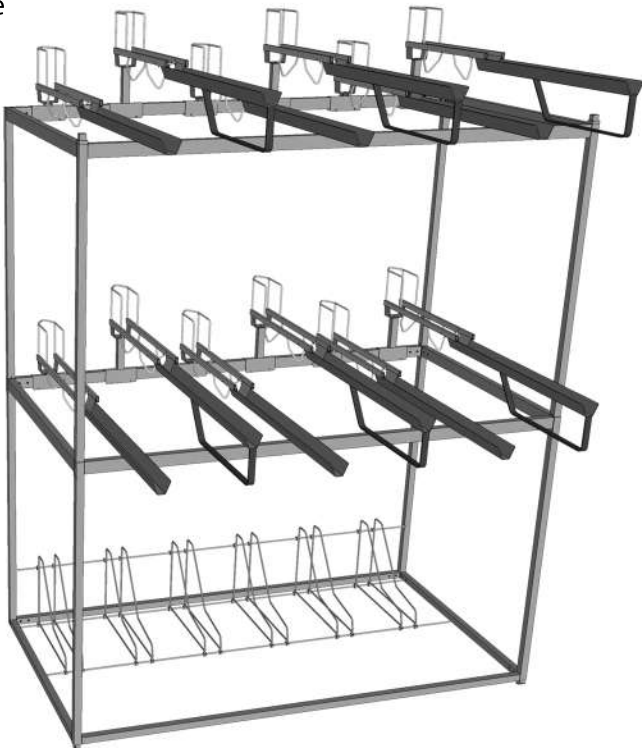




WALL DOUBLE DECKER 3 TIER STARTER-- w/ Deluxe Spacesavers

Recommended Team Members Needed: 2

Designed & Made
in the
USA



LOCATE ALL PARTS AND HARDWARE BEFORE BEGINNING RACK ASSEMBLY!

These assembly instructions will picture an 18 bike wall double decker 3 tier rack with deluxe spacesavers. However, assembly steps will be the same for any quantity wall double decker 3 tier rack--only part and hardware quantities will differ.



Parts - WALL DOUBLE DECKER 3 TIER STARTER--w/Deluxe Spacesavers

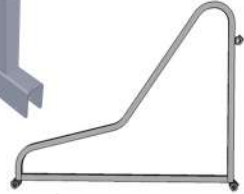


Safety Stop



Low Slide Top

High Slide Large (top slide)



Deluxe Spacesaver

Tray

Corner Post

3rd Tier Corner Post

High Tray

43" Top Cross Bar

43" Bottom Cross Bar

Stanchion

Runner

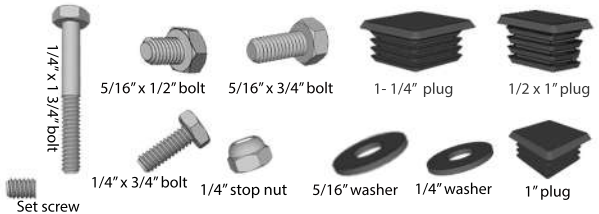
Top Rail

Bottom Rail

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



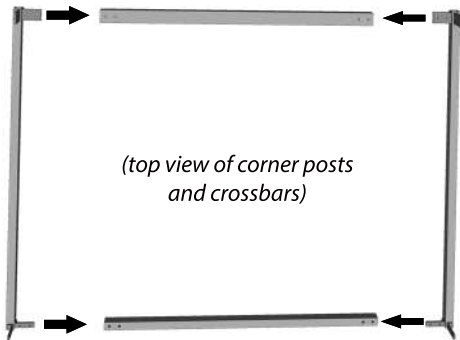
Due to the modular nature of our racks, part quantities may vary.
See packing list for part and hardware quantities.



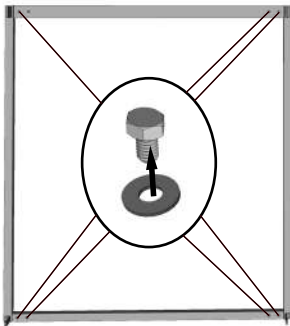
STEP 1: Building the End Assemblies.

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

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.



1b. Secure crossbars to end posts with 5/16" x 1/2" bolts and 5/16" washers. **DO NOT FULLY TIGHTEN.**

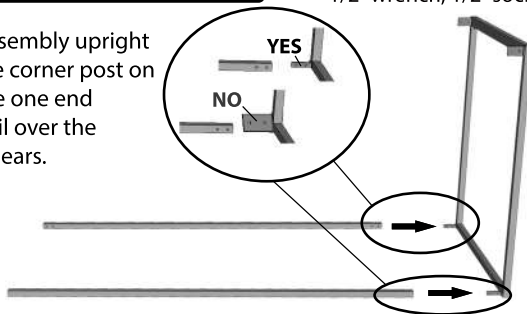


1c. Repeat Steps 1a. and 1b. to complete the second end assembly, again **not fully tightening the hardware.**

STEP 2: Connect the End Assemblies.

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

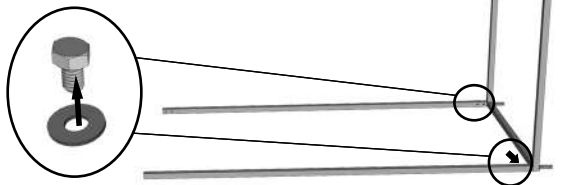
2a. Holding one end assembly upright (with smaller ears of the corner post on the bottom), slide one end of each bottom rail over the smaller post ears.





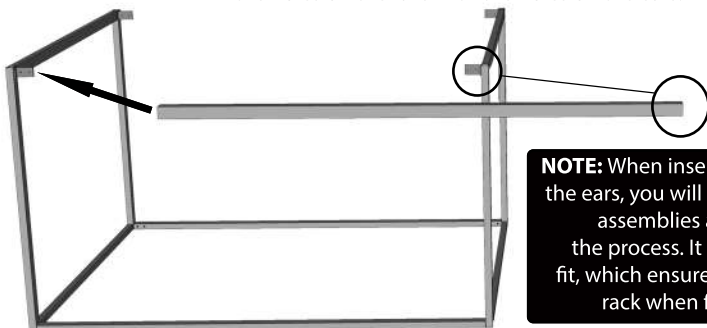
2b. Secure bottom rails to end assembly with 5/16" x 1/2" bolts and 5/16" washers.

Do not fully tighten hardware.



2c. Repeat Step 2a. and 2b. with other end assembly, again **not fully tightening the hardware.**

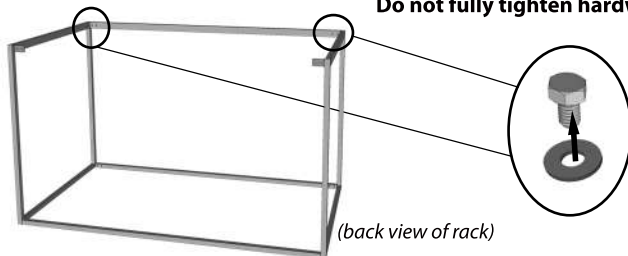
2d. Slide one of the top rails onto the bigger ears of the end assemblies, lining up the holes on the rails with the holes on the ears.



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.

Do not fully tighten hardware.



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

2g. Finally, go through the assembled frame and snug tighten all bolts.



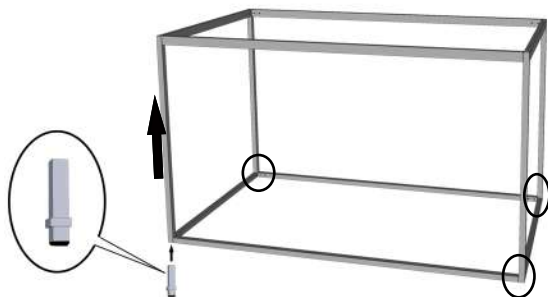
STEP 3: Safety Stops and Building the 3rd Tier.

needed: 1" 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

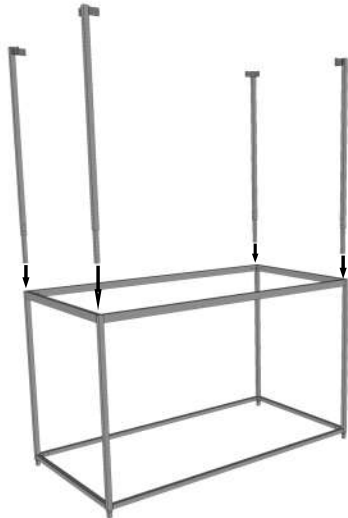
3a. Push 1" plugs into the *tops* of all safety stops.



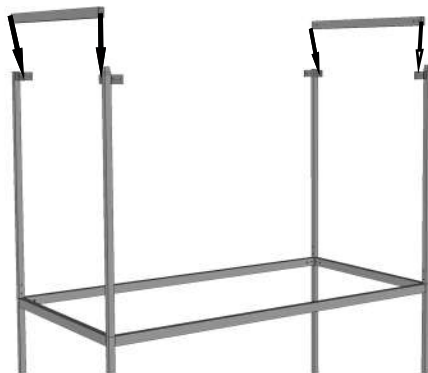
3b. Lift one corner of the assembled frame and insert a safety stop with plug *facing the floor*. Repeat with the 3 remaining frame corners.



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



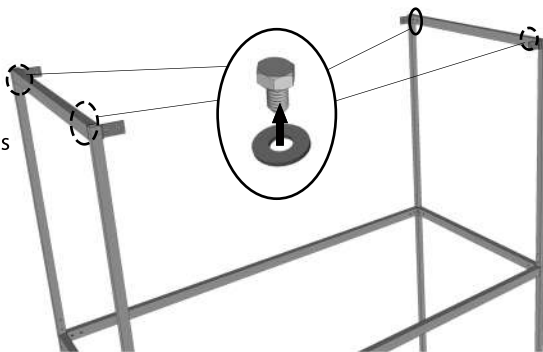
3d. Insert remaining top crossbars into ears of 3rd tier corner posts.



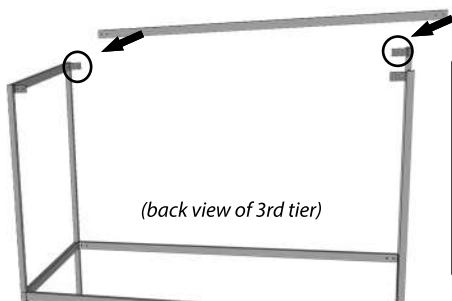


Safety stops and building the 3rd tier (contd. from pg. 5)

- 3e.** Secure crossbars to end posts with 5/16" x 1/2" bolts and 5/16" washers. **DO NOT FULLY TIGHTEN.**

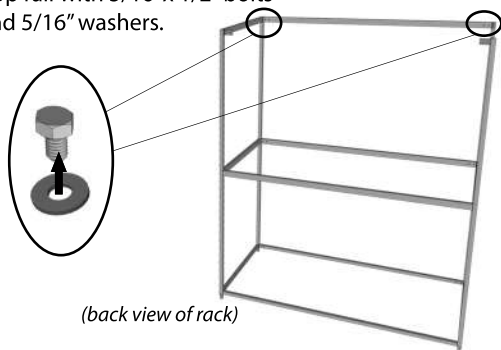


- 3f.** Slide one of the top rails onto the ears of the 3rd tier end assemblies, lining up the holes on the rails with the holes on the ears.



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.

- 3g.** Secure top rail with 5/16" x 1/2" bolts and 5/16" washers.



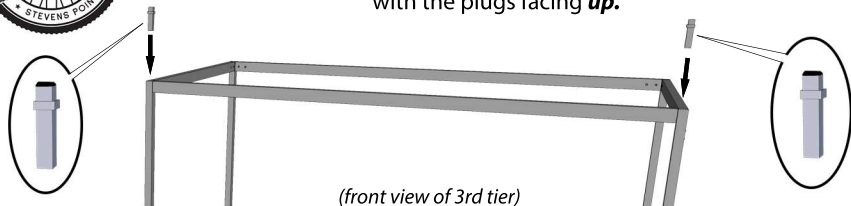
3h. Repeat Steps 3f. and 3g. with remaining top rail.

3i. Go back through completed frame and snug tighten all loose bolts.



Safety stops and building the 3rd tier (contd. from pg. 6)

3j. Place remaining 2 safety stops in front top corners of rack frame, with the plugs facing **up**.



(front view of 3rd tier)

STEP 4: Attaching Slides.

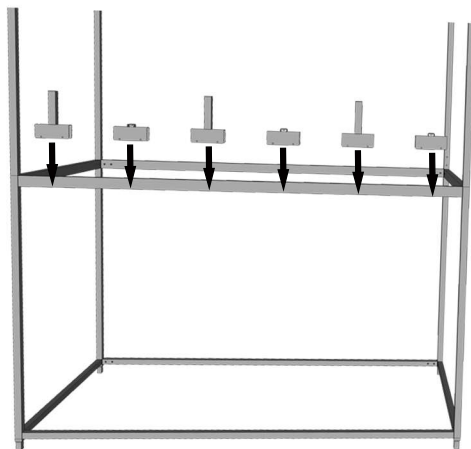
needed: all low slides, all high slides, 1/4" x 1 3/4" bolts, 1/4" stopnuts, pencil or chalk

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

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).

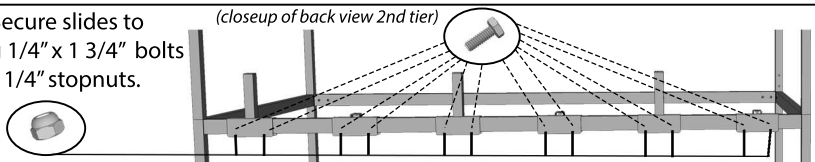
Alternate low and high slides, starting with low slide. **See note on recommended slide spacing above.** Use a pencil or chalk to mark spacing.



(back view of bottom and 2nd tier)

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

(closeup of back view 2nd tier)





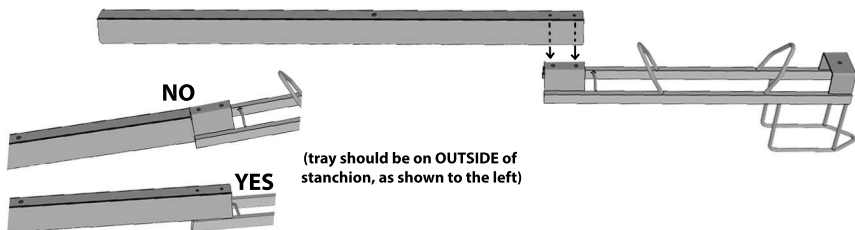
Attaching Slides (contd. from pg. 7)

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 bottom tier.

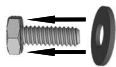
STEP 5: Tray Assembly.

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

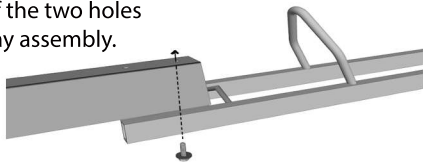
5a. Turn a stanchion and a tray upside down. Align the 2 holes on the stanchion with the 2 holes on the tray.



5b. Place a 1/4" washer over a 1/4" x 3/4" bolt.

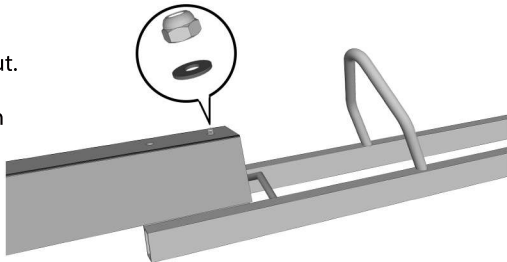


5c. Insert bolt and washer combo into one of the two holes of the tray assembly.



5d. Fasten bolt/washer in place using a 1/4" washer and 1/4" stop nut.

Tighten **LOOSELY** using both the 7/16" socket/wrench and 7/16" wrench.



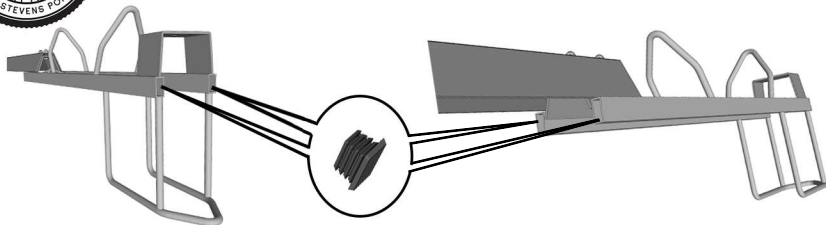
5e. Repeat steps 5b.-5d. for second hole, then finish tightening both bolts and stop nuts with the 7/16" socket/wrench and 7/16" wrench.

5f. Repeat steps 5a.-5e. for all remaining trays, high trays, and stanchions.



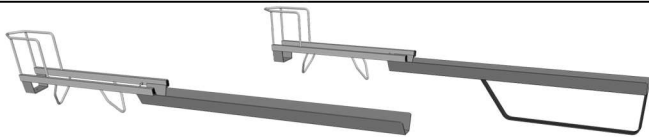
Tray Assembly (contd. from pg. 8)

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



- 5h.** Repeat step 5g. for all remaining assembled trays.

Your trays are now complete!

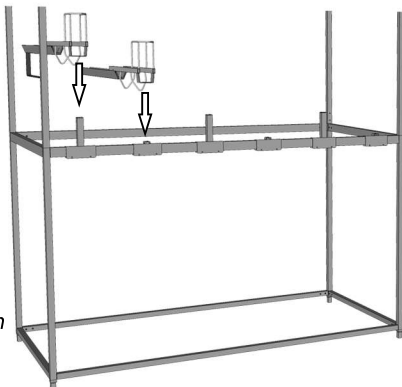


STEP 6: Attaching Trays to Frame.

needed: all tray assemblies, 1-1/4" plugs, safety stops, 5/16" x 1/2" bolts, 5/16" washers, 5/16" x 3/4" bolts

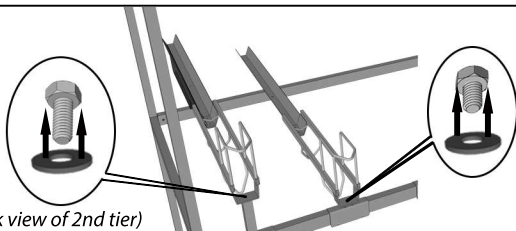
- 6a.** Starting on the second tier, align tray assembly holes with fastened slides--low tray assemblies match with bottom low slides, high tray assemblies match with bottom high slides.

(back view of bottom and 2nd tier)



- 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.

(back view of 2nd tier)



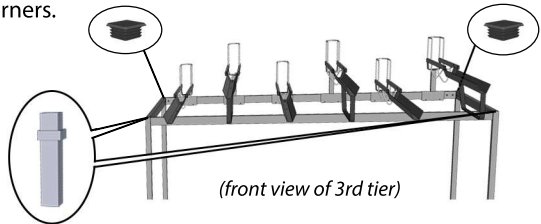


Attaching Trays to Frame (contd. from pg. 9)

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.

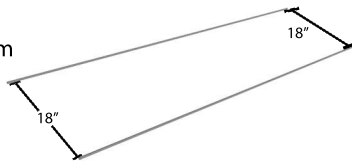
6e. Place safety stops into the top front corners of rack. Place 1-1/4" plugs in the top back corners.



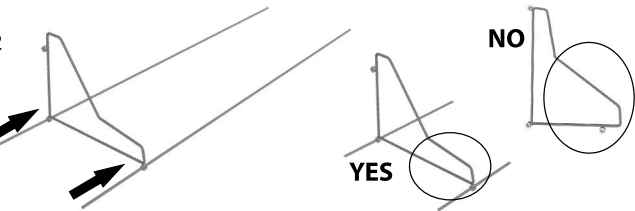
STEP 7: Attaching the Adjustable Spacesavers.

needed: runners, deluxe spacesavers (DSS), set screws, 1/8" allen wrench, tape measure

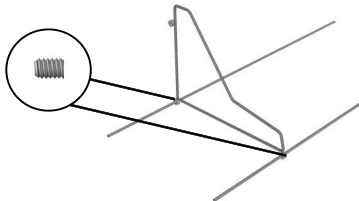
7a. Take 2 of the runners and lay them approximately 18" inches apart.



7b. Slide one of the deluxe spacesavers (DSS) onto the 2 runners, noting which way the DSS is facing (see diagram far right). DSS should be 16"-20" away from end of runners.



7c. Secure the DSS to the runners using set screws and 1/8" allen wrench.

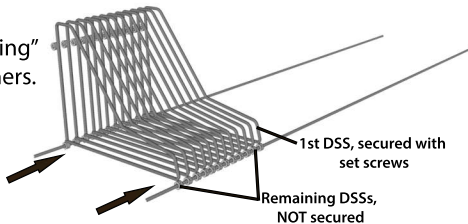




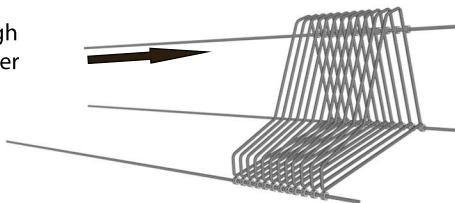
Attaching the Deluxe Spacesavers (contd. from pg. 10)

7d. Repeat *Step 7b.* with remaining DSSs, "stacking" them at the end of the runners.

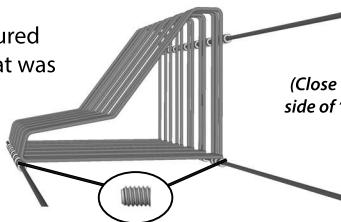
DO NOT SECURE THE REMAINING DSSs IN PLACE.



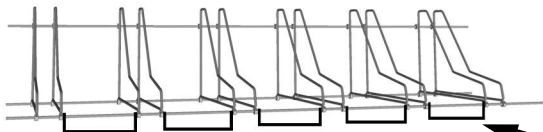
7e. Slide remaining runner through the top holes of the DSSs. For easier insertion, slide in runner from opposite side of DSS "stack".



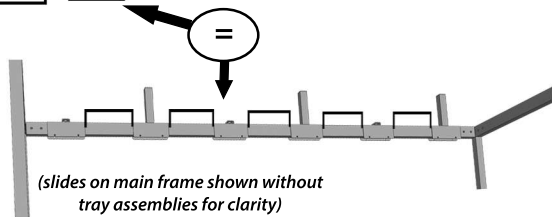
7f. Loosen previously secured set screws in the 1st DSS that was attached in *Step 7b.*



7g. Working from left to right, space out each pair of DSSs (a pair of DSSs will hold one bike). Spacing between each pair of DSSs *should be roughly equal* to the spacing of the slides on the 2nd and 3rd tier. See slide spacing guidelines on *page 7* for further reference.



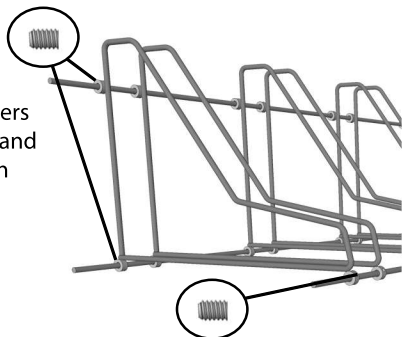
NOTE: each pair of DSSs maybe have to be adjusted slightly based on bicycle tire width.



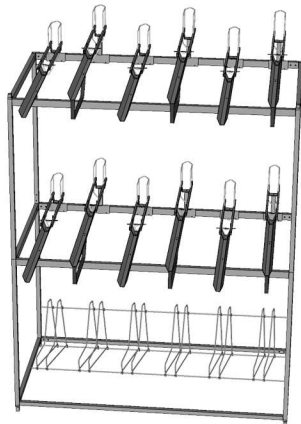
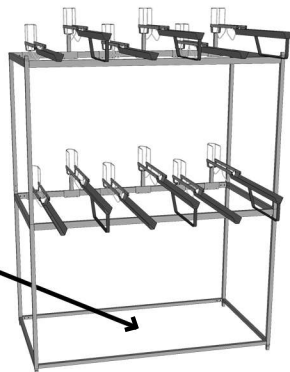
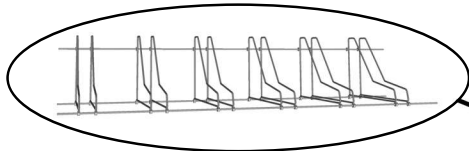


Attaching the Deluxe Spacesavers (contd. from pg. 11)

7h. Fasten all DSSs to runners with set screws (3 per DSS), and tighten all set screws with an allen wrench.



7i. Place assembled Deluxe Spacesavers/runners underneath the rest of the Wall Double Decker rack. Tighten any loose bolts.



Your rack is now complete!

STOP

BEFORE LOADING BIKES:

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

STOP