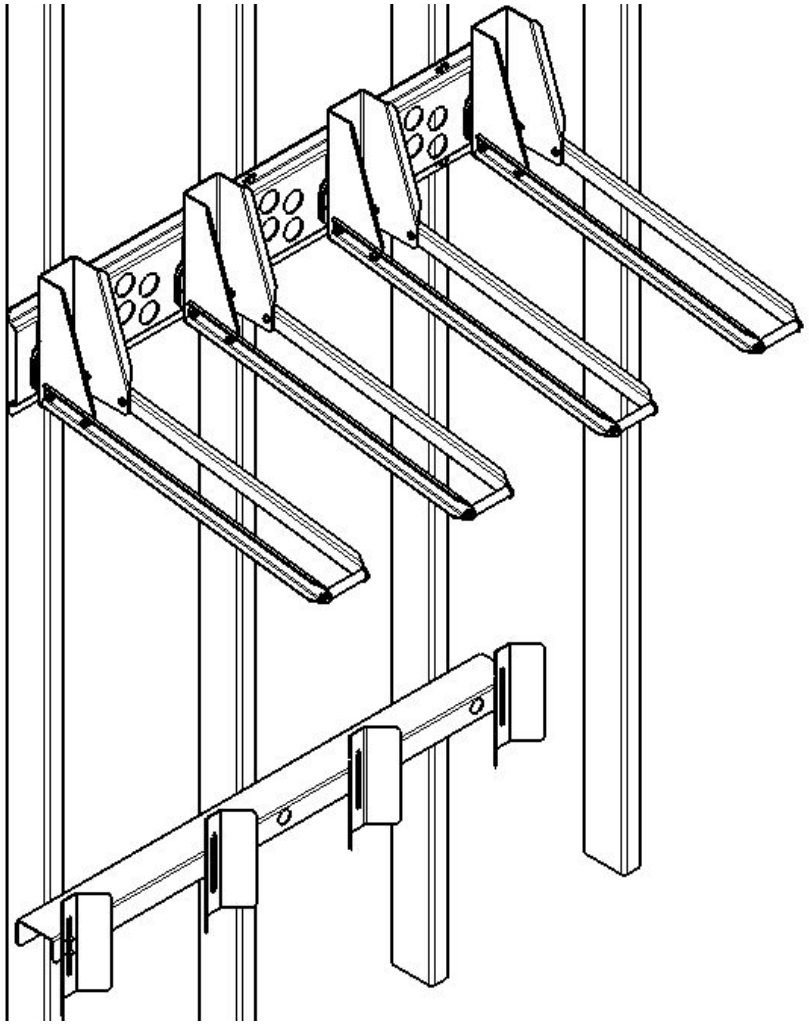


ASSEMBLY AND MOUNTING INSTRUCTIONS

TIGHT STACK BIKE RACK
MOSSY COG DESIGNS, LLC

WARNING

Read all instructions prior to use. Failure to understand and follow instructions may result in serious injury and damage to personal property.

Rack must be properly secured into wall studs. If not properly secured, rack may fall at any time.

Edges of metal rack parts may be sharp. All parts have been deburred, but shipping and use may create sharp edges. Use caution when handling.

Do not overload rack. Rack has been designed to hold a maximum of 50 pounds in each bicycle position. Overloading the rack could cause a failure of the rack, or cause the rack to pull out of the wall, causing serious injury or damage to property.

Mounting and assembly is simple, but it requires 2 people, a few tools, and the ability to follow instructions.

Tools required:

Drill

15/64" Drill Bit

Level

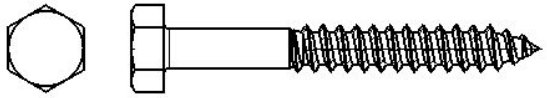
1/2" Socket

4mm Hex Key

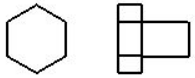
10mm socket / wrench

Fasteners Included:

5/16” x 2-½” Lag screw



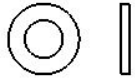
M6 x 8 Hex Head



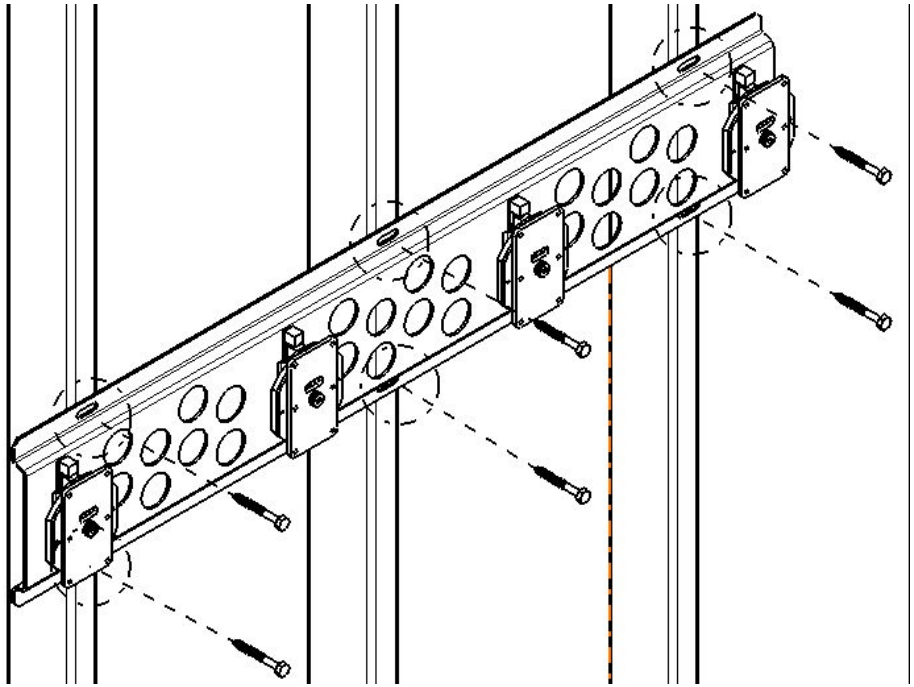
M6 x 16 Button Head (BHCS)

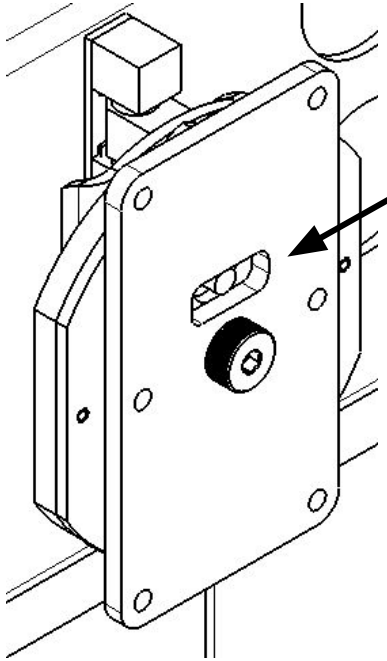
M6 Nylok Nut

M6 Washer

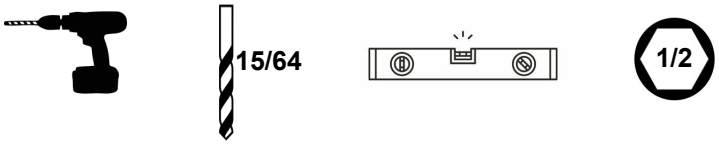


RACK MUST BE MOUNTED INTO STUDS





STEP 1:



Mount Upper Assembly to the wall.

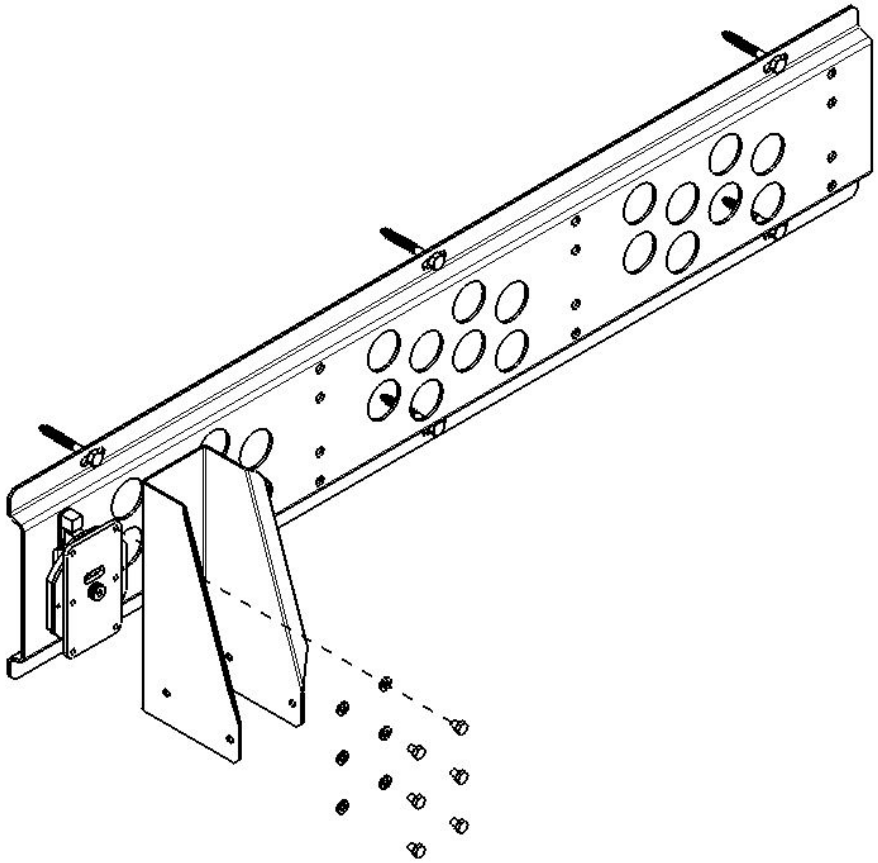
1a. Determine the height of the rack. Recommended height of the upper mount holes is 66"

1b. Drill a pilot hole for the top center mount screw, using the 15/64" drill bit. Drill at least 2 inches into the stud.
MAKE SURE THE HOLE IS DRILLED INTO A STUD

1c. Lift the Upper assembly into place, and fasten the top center screw through the back plate into the wall using the 1/2" socket. This will require 2 people. Use the level along top edge to get the rack level.

1d. Using the back plate as a template mark the other mounting holes. Drill the remaining pilot holes using the 15/64" drill bit. This may be done with the Upper Assembly in place or removed.
MAKE SURE ALL HOLES ARE DRILLED INTO A STUD

1e. Fasten the remaining mount screws through the back plate into the wall using the 1/2" socket.

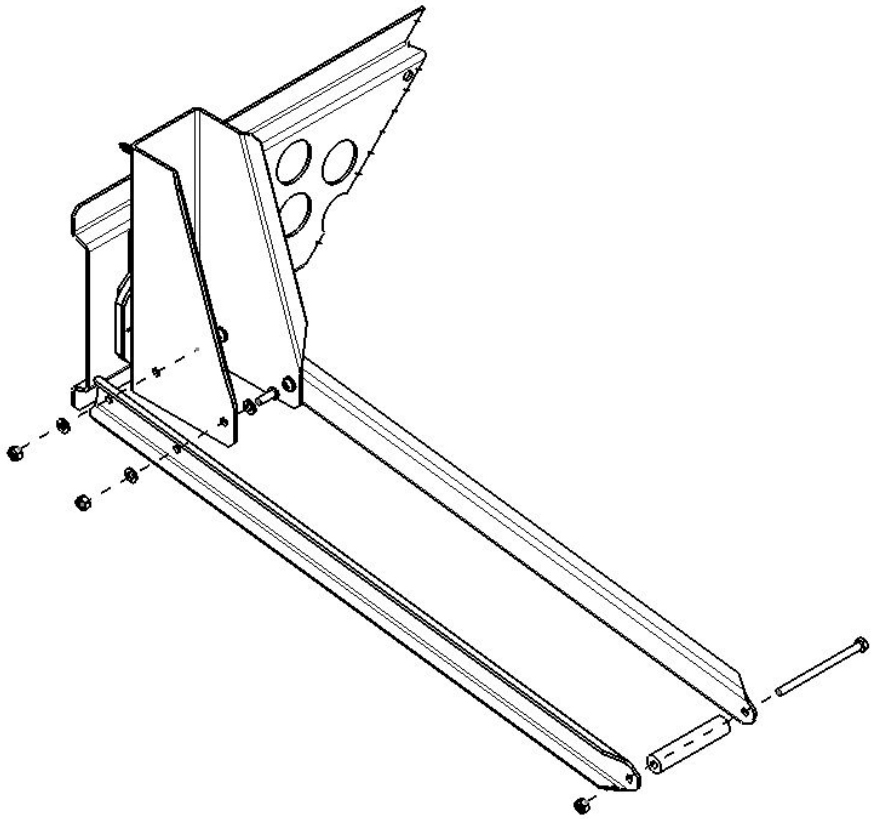


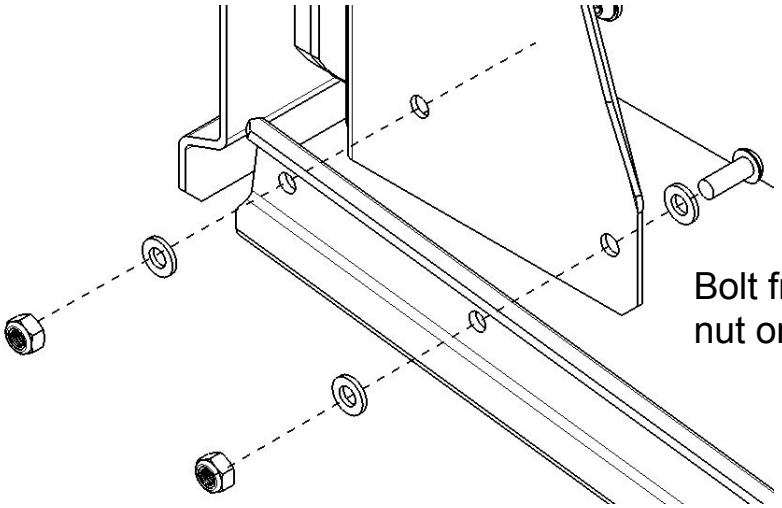
STEP 2:

Mount Wheel Basket Carriage to Back Plate

2a. Take one carriage and line it up on the back plate. Attach using an M6 x 8 hex head bolt and a washer, using the 10mm socket, for each of the 6 holes.

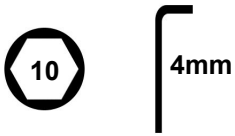
2b. Repeat step 2a for all wheel basket carriages.





Bolt from the inside,
nut on the outside

STEP 3:



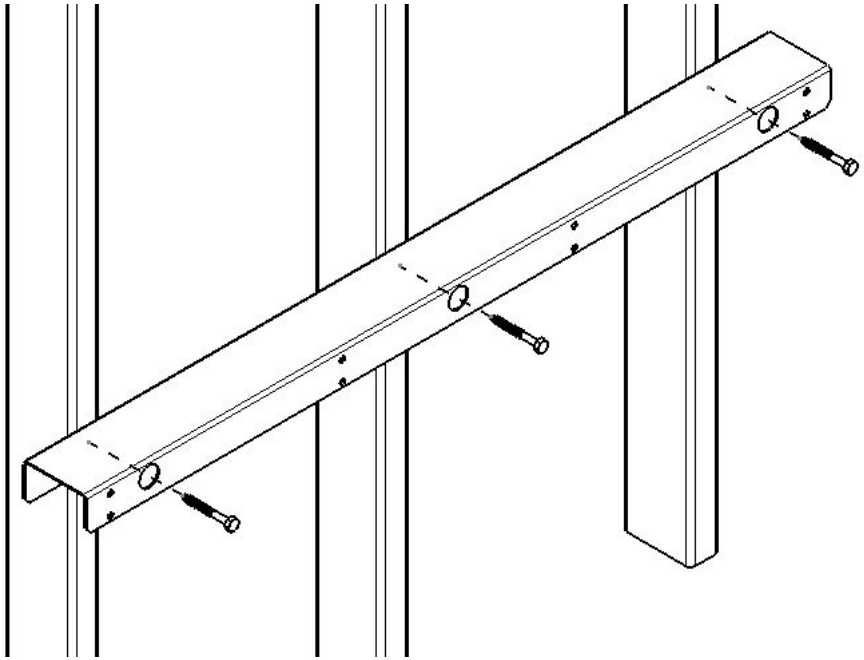
Assemble front wheel baskets.

3a. Take one Arm and line up the mount holes with the Carriage. **Attach using a M6x16 BHCS with a washer from the inside, and an M6 Nylok nut and a washer on the outside**, for each of the 2 holes, using the 4mm hex key and the 10mm socket or wrench..

3b. Do the same for the second Arm.

3c. Install the roller at the end of the Arms using the M6x90 hex head and an M6 Nylok nut.

3d. Repeat steps 3a-3c for the remaining front wheel baskets.



STEP 4:

Mount the Lower Mount to the wall.

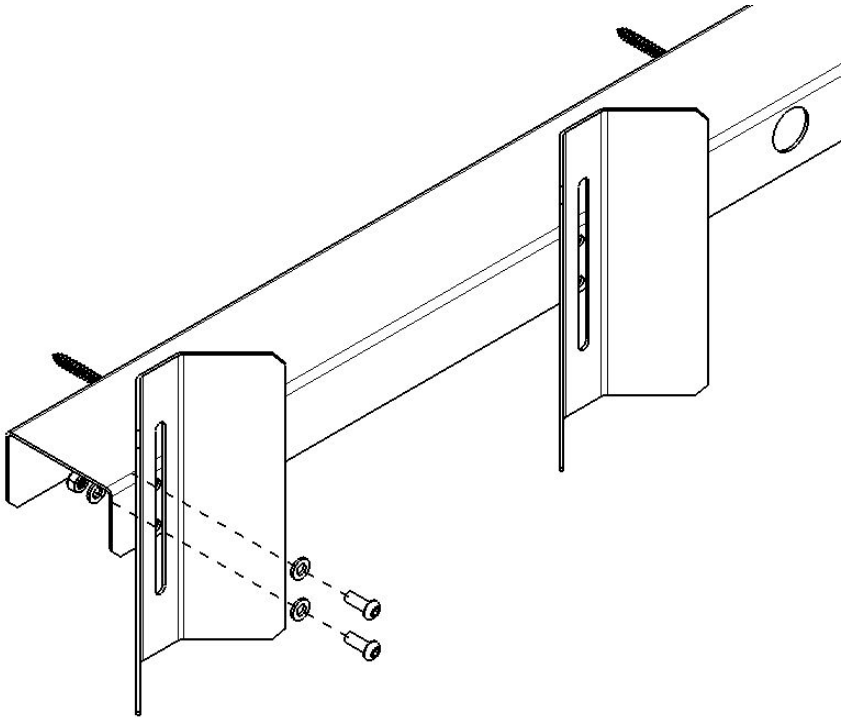
4a. Determine the height for the rear wheel rests by placing a representative (average size) bike in one of the wheel baskets, and mark where it touches the wall. This will be the height of the mount holes.

4b. Drill a pilot hole for the center mount screw, using the 15/64" drill bit. Drill at least 2 inches into the stud.
MAKE SURE THE HOLE IS DRILLED INTO A STUD

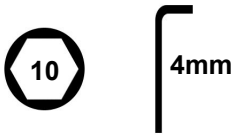
4c. Lift the Lower Mount into place, and fasten the top center screw through the back plate into the wall using the 1/2" socket. Use the level along top edge to get the rack level.

4d. Using the Lower Mount as a template mark the other mounting holes. Remove the center mount screw, to allow access for drilling the remaining holes. Drill the remaining pilot holes using the 15/64" drill bit.
MAKE SURE ALL HOLES ARE DRILLED INTO A STUD

4e. Place the Lower Mount back in position and fasten the mount screws through the Lower Mount into the wall using the 1/2" socket.



STEP 5:



Assemble Rear Wheel Rests

5a. Mount Rear Wheel Rest to the Lower Mount using an M6x16 BHCS and a washer from the front, and an M6 Nylok nut and a washer on the backside, for each of the 2 holes, using the 4mm hex key and the 10mm socket or wrench. Height may be adjusted to suit a specific bike.

5b. Repeat step 5a for the remaining Rear Wheel Rests.

TIGHT STACK BIKE RACK
MOSSY COG DESIGNS, LLC

For more information visit us at:
www.mossycog.com
Or email at:
info@mossycog.com

PATENT PENDING
Instructions Version 1.3 2020-01-21