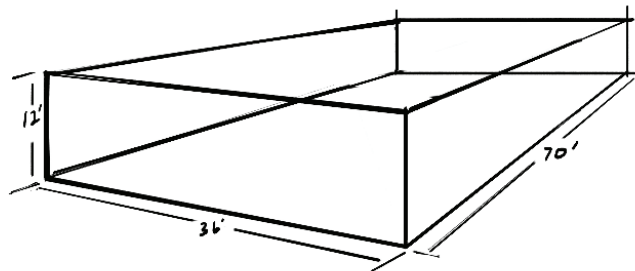


ShellCage Multi-Lane Net Installation Guide

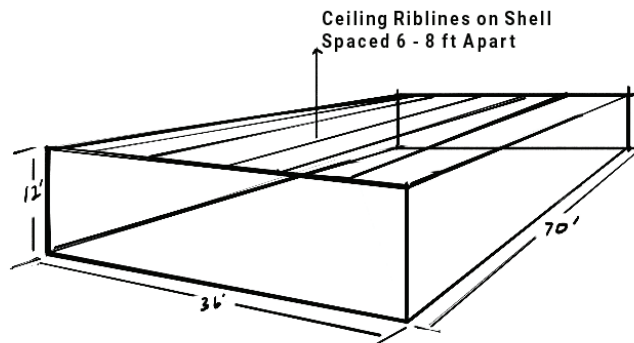
Because each ShellCage is custom designed for each location, we can't provide exact instructions for your cage.

With that in mind, however, we've created this guide to help you in the installation of your cage. These principles will help make installing your ShellCage Multi Lane Cage much easier. (We recommend reading through this document in it's entirety before starting installation.

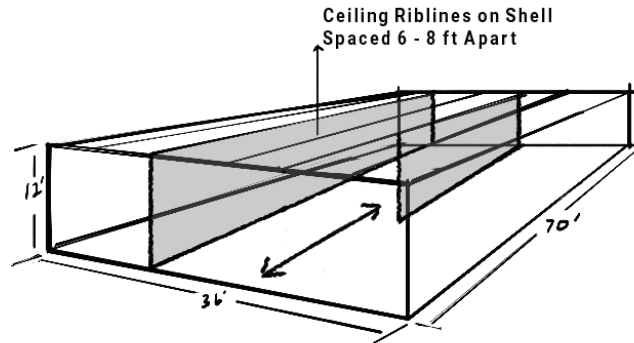
For example purposes, let's consider a ShellCage with three standard size tunnels that are 12 feet wide, 70 feet long, and 12 feet high. With three tunnels, there are three netting components: a Shell Net that covers the entire footprint of the cage, in this case the Shell Net is 36 feet wide and 70 feet long.



The Shell is suspended from its own dedicated cable lines that span the length of the shell and attach to the walls. Overhead cable lines are generally spaced 6 – 8 ft to help prevent the ceiling of the tunnel from sagging. That means, in this example there are 7 overhead cable lines dedicated to the Shell.



The two remaining netting components are divider curtains that run the length of the tunnel. The dimensions of the curtains in this particular case are 72 feet long and 12 feet tall. Each divider curtain is attached to its own dedicated cable lines.



Also included are baffle curtains to help prevent baseballs and softballs from travelling between lanes. These curtains will be attached directly to the rib lines spaced six inches to either side of the divider curtain rib lines.

These rib lines are easy to spot because they will be in a group of 3, spaced six inches apart.

Step 1: Install Your Anchor Plates



Standard Anchor Plate



“MultiPlate”

Features Multiple Attachment Points

Anchor Plates should be installed 1 foot shorter than total net height. A foot or so of net sag on the ground will help prevent baseballs and softballs from escaping the tunnel. That means for a 12 foot tall net would be installed at 11 feet high.

NEVER INSTALL DIRECTLY INTO DRYWALL

Anchor plates are typically spaced 6 – 8 feet apart at desired height.

Install Multiplates where the divider curtain will be positioned.

Multiplates are a special type of Anchor Plate that have multiple attachment points. This allows multiple cable lines to terminate at a single location.

Be sure to install your Multiplate so that the attachment points are in the vertical position.

For our example cage, with a 36 ft wide Shell, this means we'll have 14 total Anchor Plates.

4 of those Anchor Plates will be Multiplates. If your first plate is at position 0, then six feet from there will be another anchor plate.

A multiplate will be installed at 12' an Anchor Plate at 18', a Multiplate at 24', and finally another Anchor Plate at 36' from zero.

Do the same for the opposite wall.

Step 2. Install Your Cable Line Assemblies for the Shell Net

For our 3 lane ShellCage, there will be 7 cable line assemblies supporting the ShellNet.

If you will be collapsing your ShellNet against one wall, be sure to install your turnbuckles on the opposite wall. This will allow you to collapse the net closer to the wall when storing.

Connect your Cable Lines to the Anchor Plates that will not have the Turnbuckle connected to it. This end is called the Dead End, or Terminal End, of the cable line. Secure the cable with the Cable Clamps.

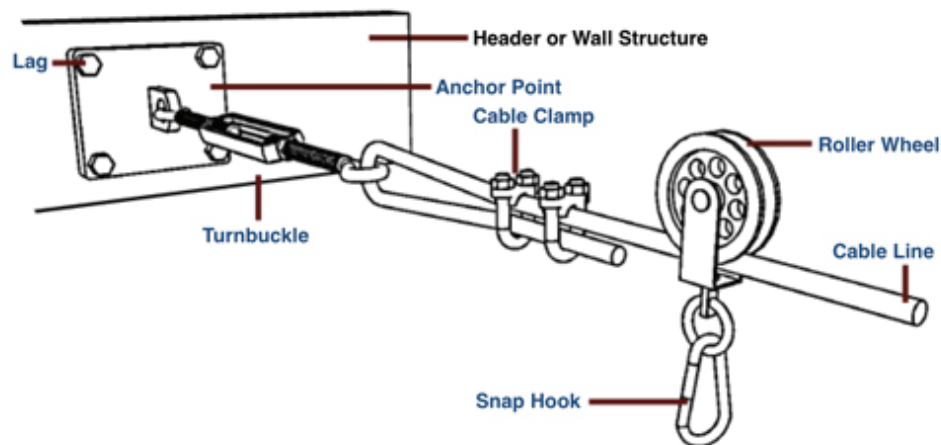
When connecting cable lines to the Multi Plates, be sure to install them in the top attachment point positions. This will allow you to install the cable lines for the divider curtains below the ShellNet.

Connect the opposite end of the Cable Line to the Turnbuckle, and connect the Turnbuckle to the Anchor Point. Secure with Cable Clamps.

This is now the Live End of the Cable Line.

You can start adding tension to the line, but do not fully tension the Cable Line at this time.

The Live End of the Cable Line should look like this.



If you've ordered Roller Wheels for your ShellNet, you'll want to divide those and your Snap Hooks equally among your Cable Lines.

You'll want the majority of your Roller Wheels concentrated on the Live End side of the Cable Lines to help with collapsing and expanding the net.

Roll your Shell Net out under the Cable Lines at this time.

Attach the Snap Hooks to the Ceiling Rib Lines and Ceiling Border Ropes of the net, NEVER to the mesh of the net itself.

Step 4. Install The Cable Line Assemblies for the Divider Curtain

The divider curtains are collapsible along overhead cable lines and allow you to open up your space to help make it multi-functional.

A quick note on divider curtains. You may have noticed that the divider curtains are actually a couple of feet longer than the cage itself. This is to help create total coverage between lanes, as the divider curtains can sometimes ‘creep’ towards the middle of the cable line over time.

At this time you can install the dedicated Cable Lines for the Divider Curtains to the Multi Plates.



Connect your Cable Lines to the MultiPlates a few holes below the cable line supporting the Shell Net. Install the line that will not have the Turnbuckle connected to it, first. This end is called the Dead End, or Terminal End, of the cable line. Secure the cable with the Cable Clamps.

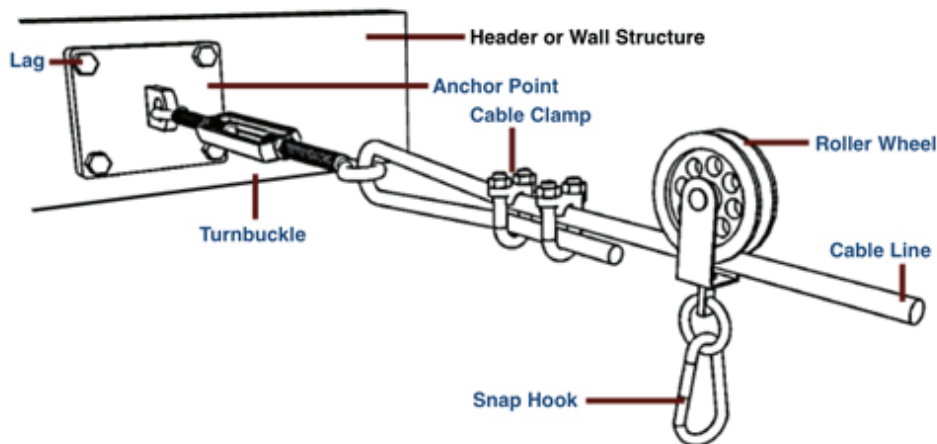
If your hardware includes roller wheels that need to be slid on to the cable line, you can do that at this time. (The nylon roller wheels can be installed after the cable lines are already up.)

Connect your Cable Lines to the MultiPlates a few holes below the cable line supporting the Shell Net. Install the line that will not have the Turnbuckle connected to it, first. This end is called the Dead End, or Terminal End, of the cable line. Secure the cable with the Cable Clamps.

If your hardware includes roller wheels that need to be slid on to the cable line, you can install them at this time. (The nylon roller wheels can be installed after the cable lines are already up.)

Connect the opposite end of the Cable Line to the Turnbuckle, and connect the Turnbuckle to the Anchor Point. Secure with Cable Clamps.

This is now the Live End of the Cable Line. You can start adding tension to the line, but do not fully tension the Cable Line at this time. The Live End of the Cable Line should look like this:



Step 5. Install Divider Curtains

Attach Snap Hooks to Border Rope length.

NEVER ATTACH SNAP HOOKS DIRECTLY TO THE MESH ITSELF.

Lift the corners of the net to the cable line and attach the Snap Hooks to the Roller Wheels. Continue attaching Snap Hooks to the Roller Wheels, working your way to the middle of the net. You may need to add more tension to the cable line as you work.

Once your Divider Curtain is in place, you can fully tighten your turnbuckle to eliminate any remaining slack in the line.

Be sure not to overtighten your turnbuckle.

Step 6. Install Baffle Curtains

The baffle curtains are designed to help prevent baseballs and softballs from traveling between the lanes of your ShellCage.

Your baffle curtains will be made of a thick vinyl material with grommets along at least one edge of the baffle curtain.

When installing your ShellNet, you may have noticed the additional rib lines spaced six inches apart from the rib line dedicated to your divider curtain.

At this time you will attach the baffle curtains to the rib lines, using the grommets provided on the curtain.

We do not provide attachment hardware for the curtains. Many of our customers use zip ties to attach the baffle curtain to the baffle curtain rib line.

Congratulations, you've safely installed your ShellCage Net with Divider Curtains. For more information on ShellCage basics, [learn more here](#).