

# Formulate Master 3D Hanging Structures: Tiered Ring 14'

## TIER-RNG-14

Formulate® tension fabric hanging structures are made in the USA and are of the utmost quality and durability. Formulate combines state-of-the-art zipper pillowcase dye-sublimated stretch fabric coverings with advanced, lightweight aluminum structures to provide unique design, functionality, and style.



### features and benefits:

- 3 ring hanging structures are 5' in height
- Shapes 12' wide and under that are not the first hanging tier are constructed with 30mm (1.25") tubes and push button connectors for simple assembly
- Easy to store and ship
- All top hanging tiers and shapes 14' and over are constructed with 50mm (2") tubes and internal expanding spigot connectors for unmatched structural integrity
- Three zipper pillowcase fabric graphics
- Lifetime limited hardware warranty against manufacturer defects

### dimensions:

Hardware

Graphic

Assembled unit:  
168"w x 60"h x 168"d  
4268mm(w) x 1524mm(h) x 4268mm(d)

Approximate weight:  
200 lbs / 98 kgs

Refer to related graphic template for more information.

Visit:  
[www.exhibitors-handbook.com/graphic-templates](http://www.exhibitors-handbook.com/graphic-templates)

Shipping

### additional information:

Packing case(s):  
2 - 4 expandable cardboard boxes depending on size

Shipping dimensions:  
Expandable cardboard box length (l) may vary  
45 - 98"l x 16"h x 16"d  
1143-2489mm(l) x 406mm(h) x 406mm(d)

Approximate total shipping weight:  
206 lbs / 94 kgs

Graphic material:  
Dye-sublimation zipper pillowcase fabric

When included in a larger kit, a different packaging solution will be listed to accommodate all contents of the kit. Individual packaging no longer provided.

2 person assembly recommended:



We are continually improving and modifying our product range and reserve the right to vary the specifications without prior notice. All dimensions and weights quoted are approximate and we accept no responsibility for variance. E&OE. See Graphic Templates for graphic bleed specifications.

# Included In Your Kit

## Components & Connectors



ES50 x20



CH-SP4-HD x1



CH-ID-HD-02 x8



TC-30-T x24



TC-30-T-EYEBOLT x8

## Graphics



TIER-RNG-14-TOP-GDBL x1

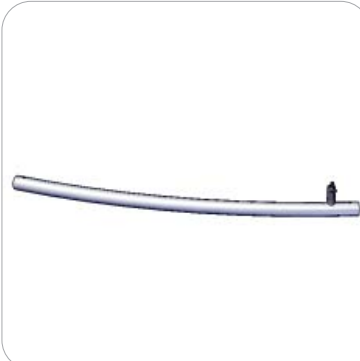


TIER-RNG-14-MDL-GDBL x1



TIER-RNG-14-BTM-GDBL x1

# Included In Your Kit



TIER-RNG-14-14-T1 x10



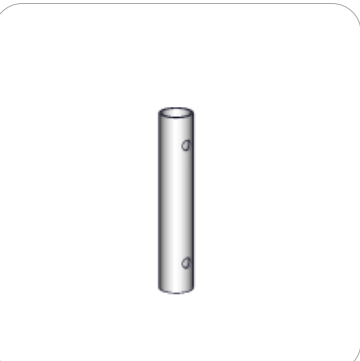
TIER-RNG-14-14-T2 x6



TIER-RNG-14-14-T2 x2

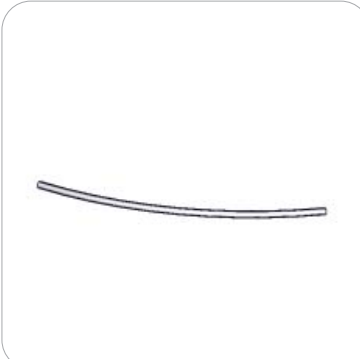


TIER-RNG-14-14-T2 x2



TIER-RNG-14-14-T3 x10

Tubes



RNG-12-T1 x16



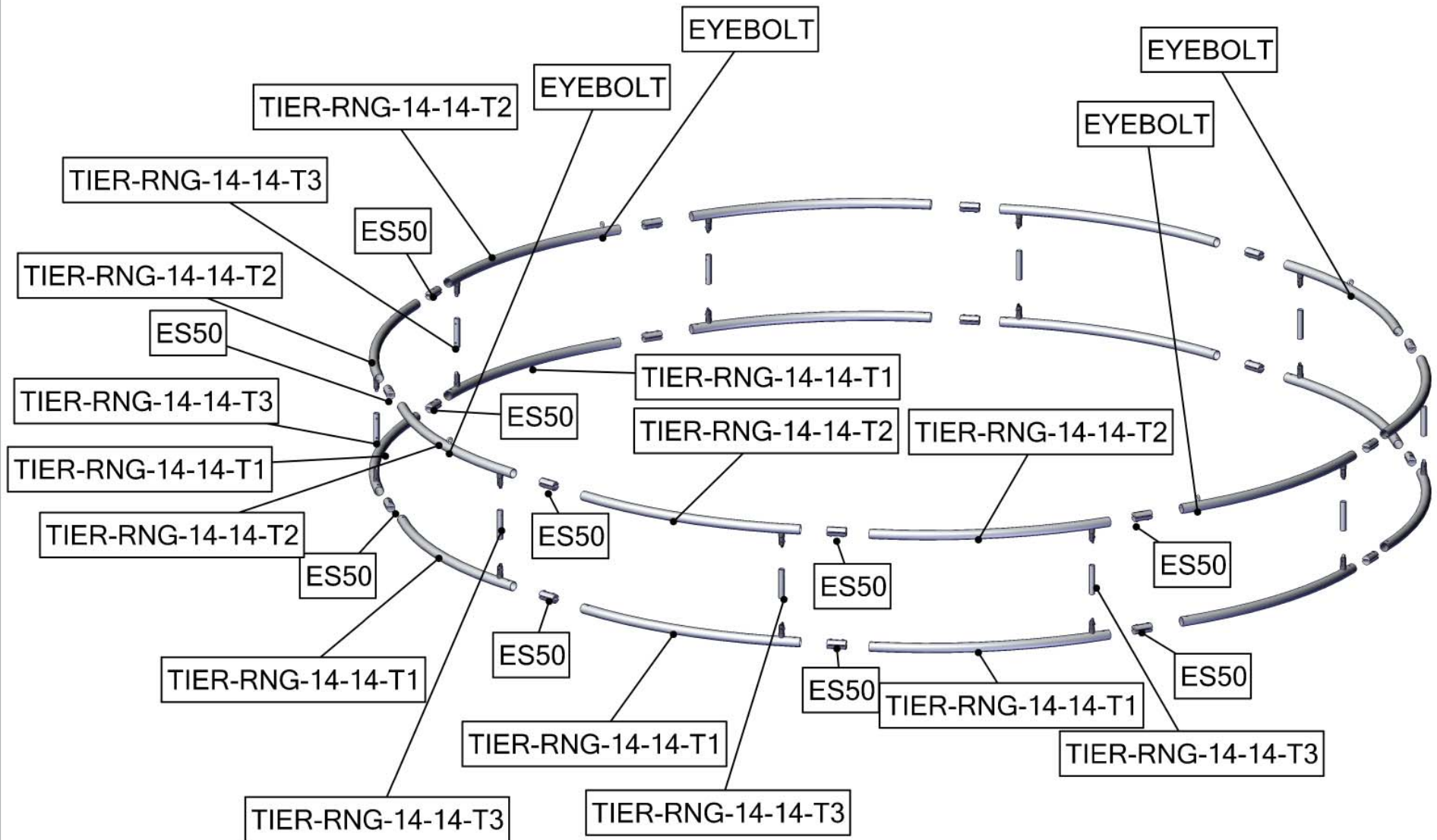
RNG-10-T1 x16



RNG-10-T3 x16

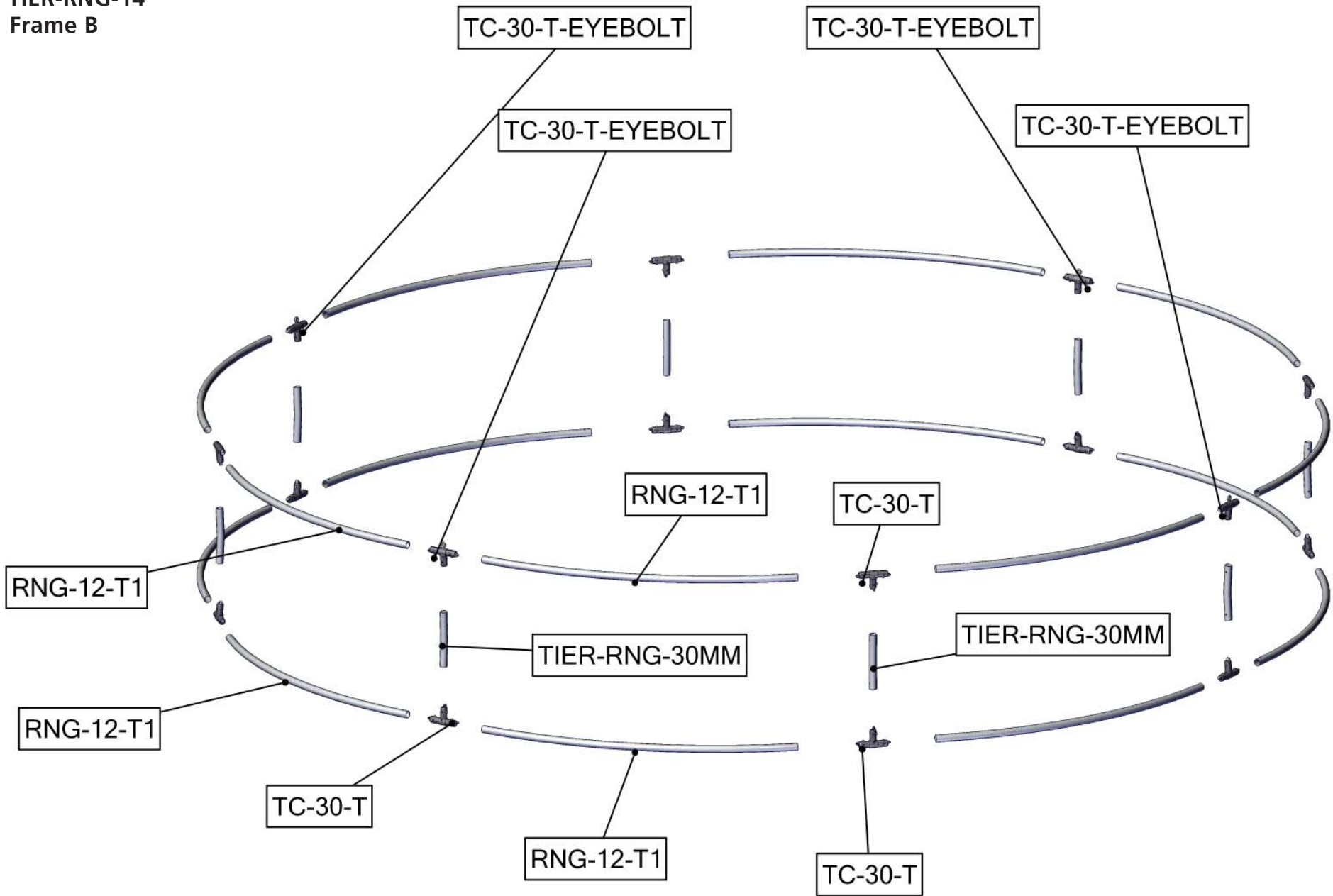
# Exploded View

TIER-RNG-14  
Frame A



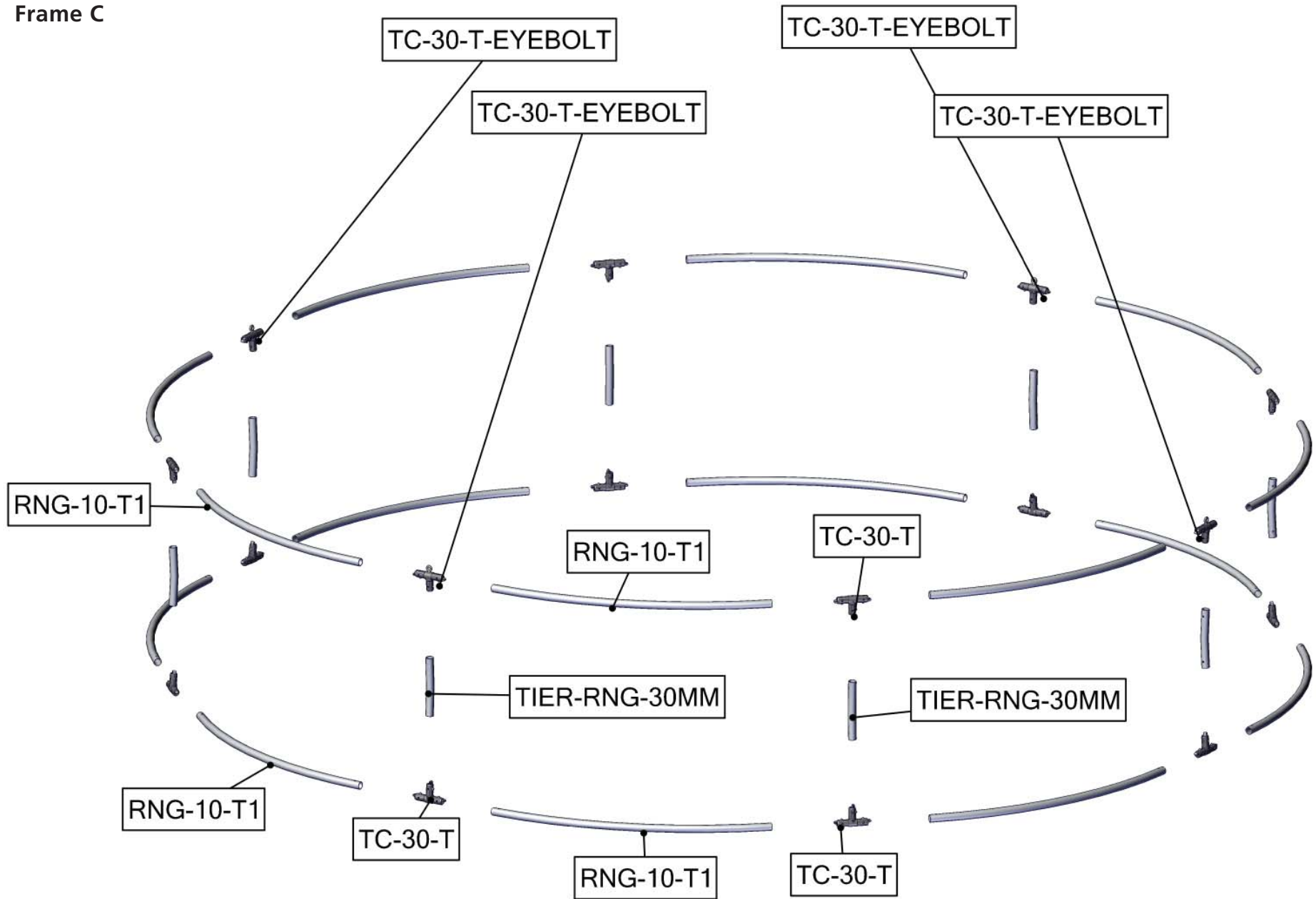
# Exploded View

TIER-RNG-14  
Frame B



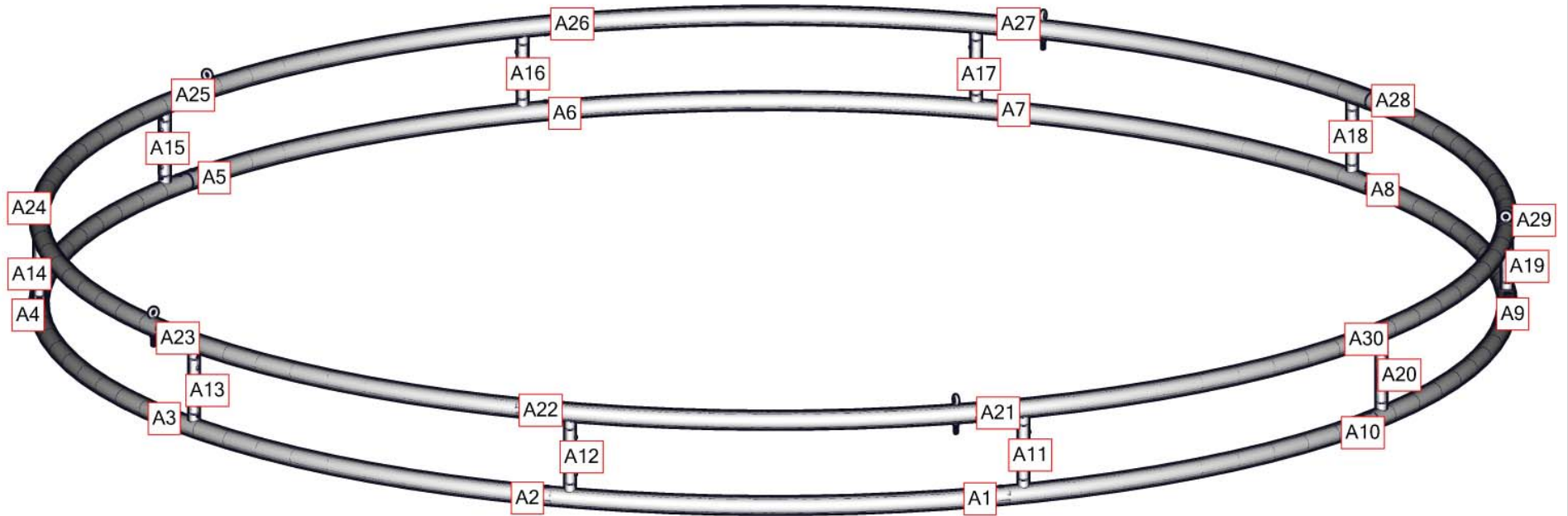
# Exploded View

TIER-RNG-14  
Frame C



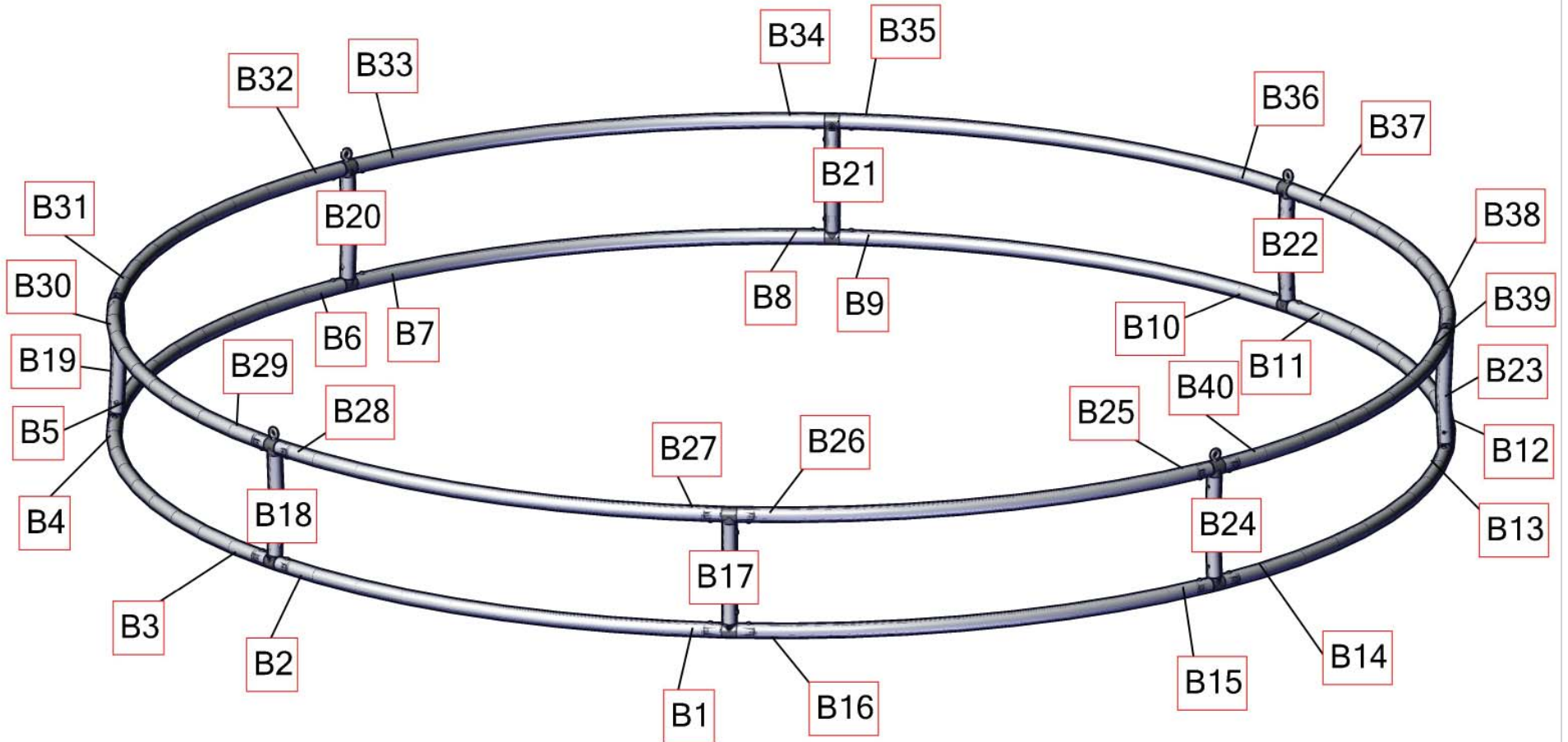
# Labeling Diagram

TIER-RNG-14  
Frame A



# Labeling Diagram

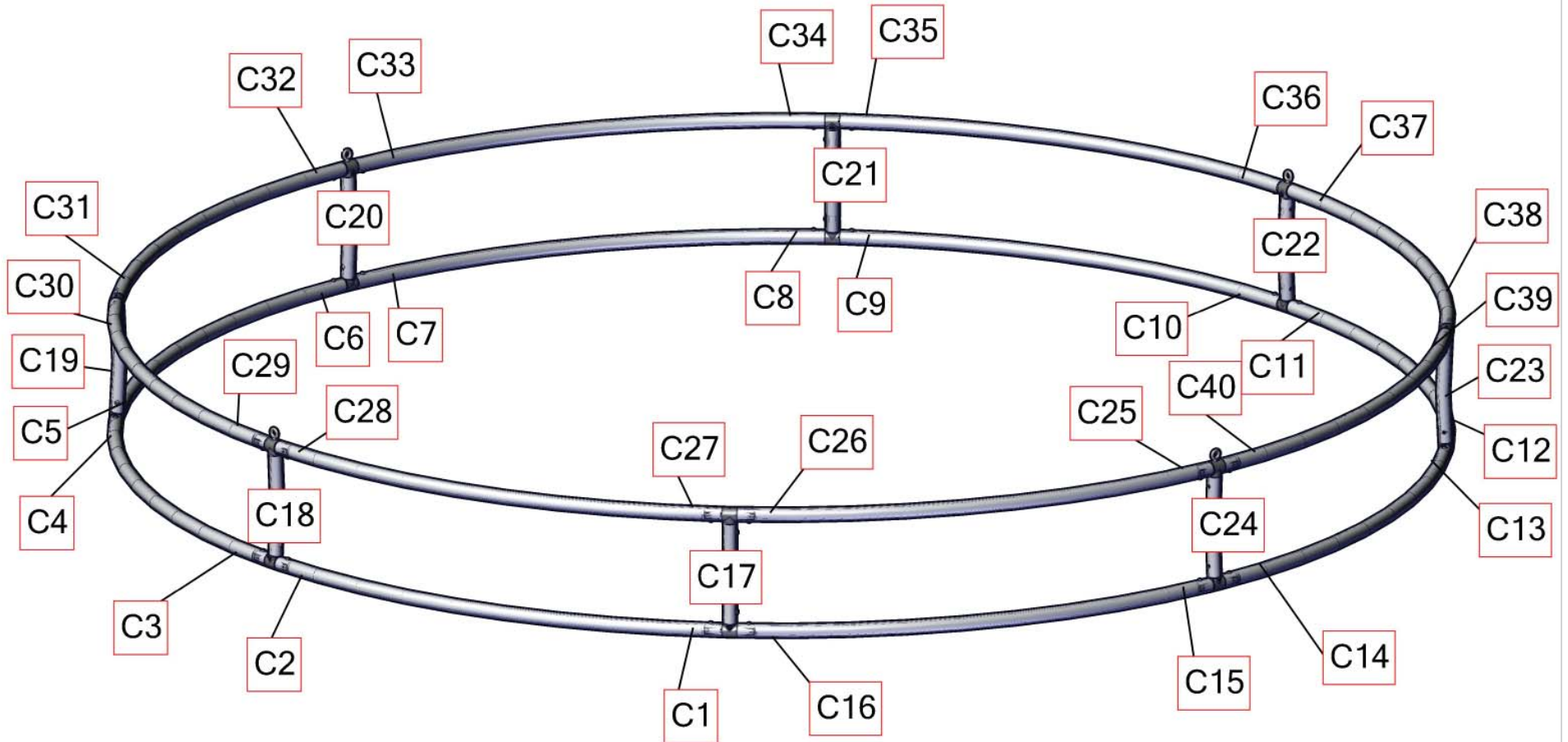
TIER-RNG-14  
Frame B





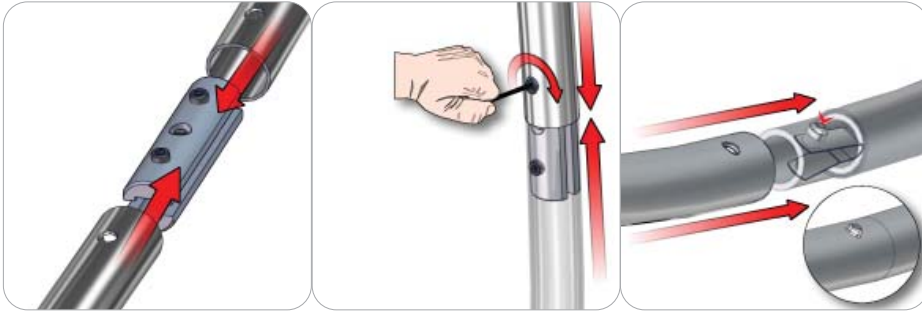
# Labeling Diagram

TIER-RNG-14  
Frame C



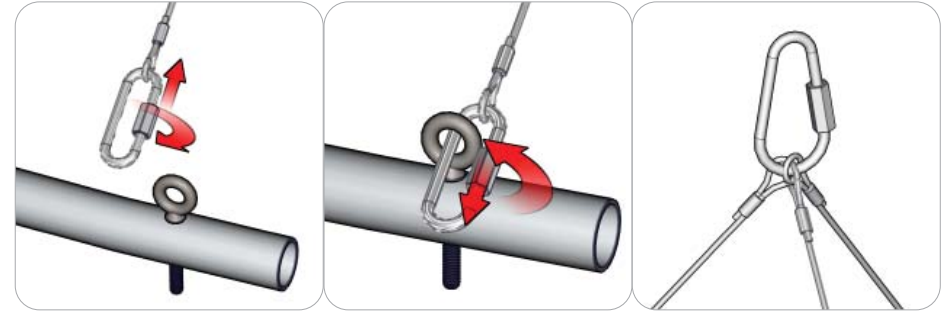
# Connection Methods

## Connection Method 1: ES30 / ES50 / SNAP BUTTONS



For spigot connections, compress the unlocked connector and slide into the tube lock access hole. Lock both screws carefully using your allen key tool. Be sure to lock securely, but do not over tighten. For snap button connections, locate the snap button on the connector or swage tube. Locate the hole on the corresponding tube. Press the snap button with your thumb and slide the tube and connector together so that the snap button snaps fully into the lock hole. To disassemble, press the snap button and pull apart.

## Connection Method 2: Eye bolts & Hanging Cables



First, open the cable ring threaded slot. Second, apply the cable ring into the eye bolt and close the cable ring. Third, if there are multiple cables, combine them with the pear shaped cable ring.

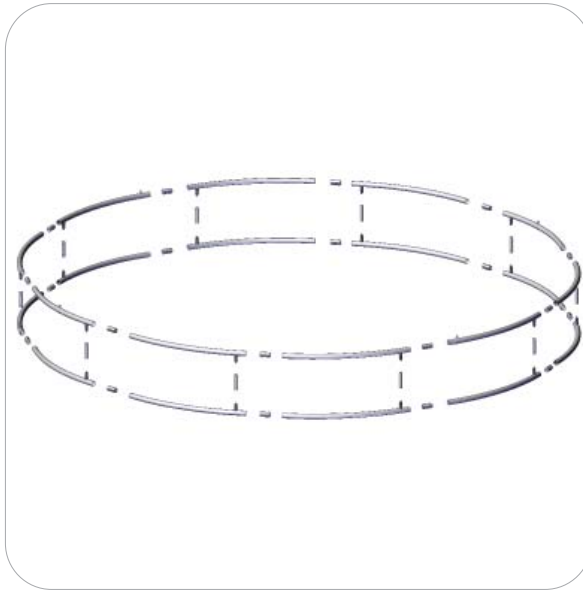
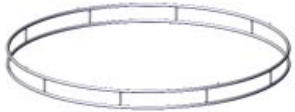
# Kit Assembly

## Step by Step

### Step 1.

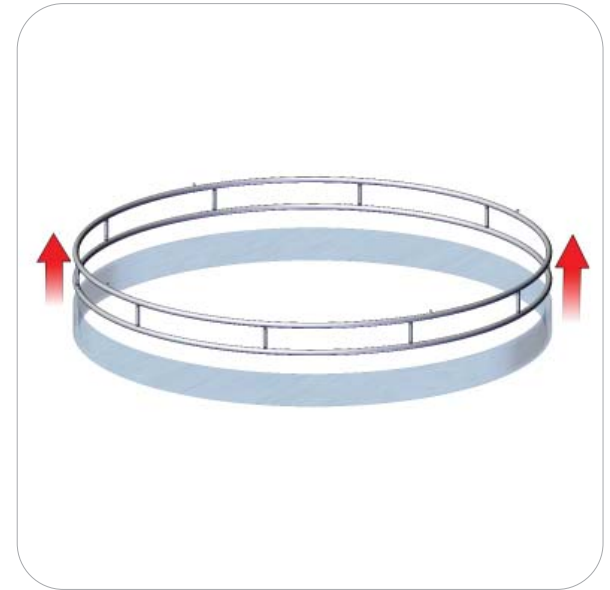
Gather the components to build frame A. Use the Exploded View and the Labeling Diagram for part labels.

Reference Connection Method(s) 1 for more details.



### Step 2.

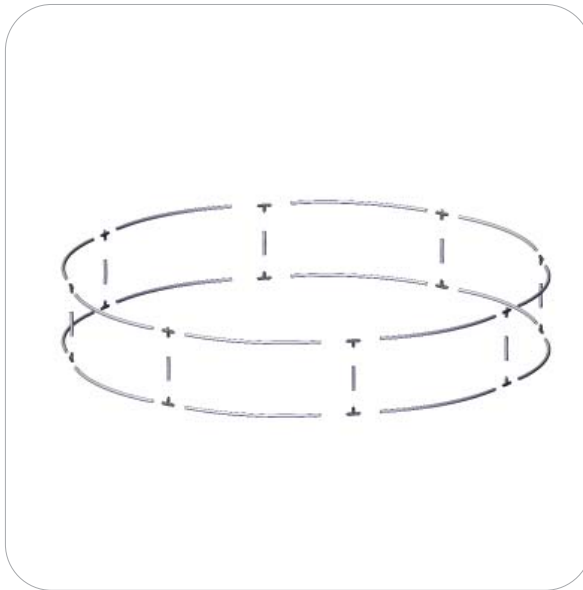
Apply the pillow case graphic over frame A and zipper it closed leaving the eye bolts exposed.



### Step 3.

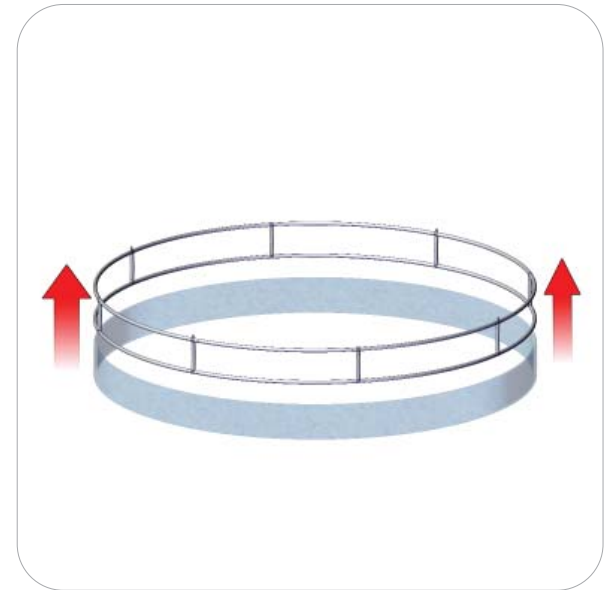
Gather the components to build frame B. Use the Exploded View and the Labeling Diagram for part labels.

Reference Connection Method(s) 1 for more details.



### Step 4.

Apply the pillow case graphic over frame B and zipper it closed leaving the eye bolts exposed.



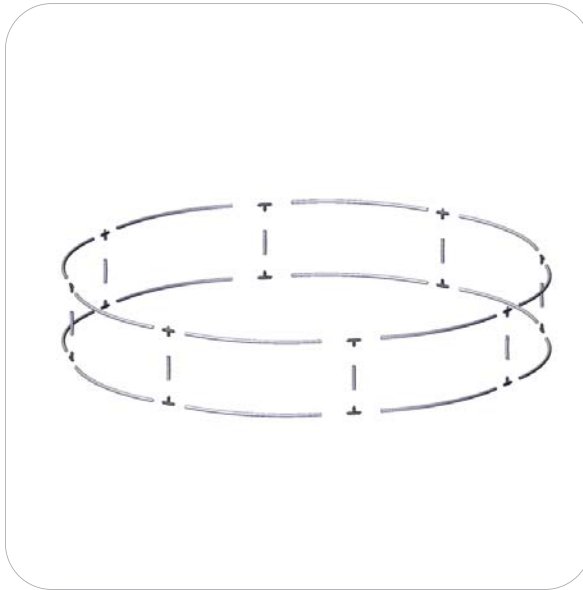
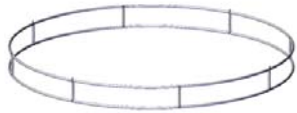
# Kit Assembly

## Step by Step

### Step 5.

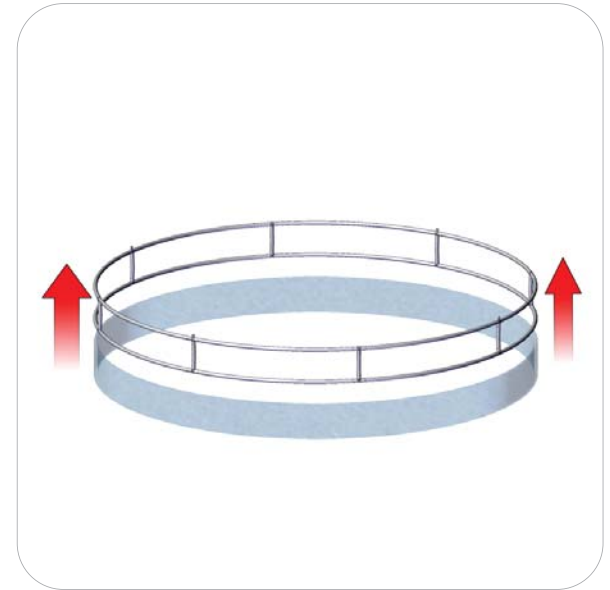
Gather the components to build frame C. Use the Exploded View and the Labeling Diagram for part labels.

Reference Connection Method(s) 1 for more details.



### Step 6.

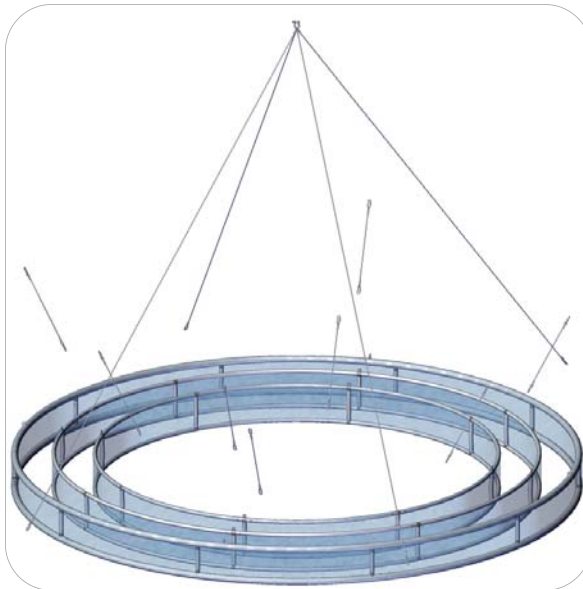
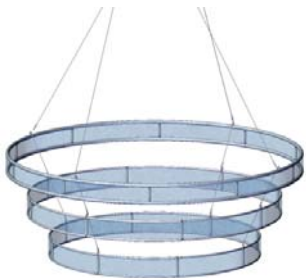
Apply the pillow case graphic over frame A and zipper it closed leaving the eye bolts exposed.



### Step 7.

Gather the hanging cable components to link frames A, B and C.

Reference Connection Method(s) 2 for more details.



### Step 8.

Setup is complete and ready for rigging.

