Formulate Master 3D Hanging Structures: Tiered Ring

TIER-RNG

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 come with a 5' 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
- All top hanging tiers and shapes 14' and over are constructed with 50mm (2") tubes and internal expanding spigot connectors for unmatched structural integrity
- Easy to store and ship
- Quick to set up
- Three zipper pillowcase fabric graphics
- Lifetime limited hardware warranty against manufacturer defects

dimensions:

Hardware

Assembled unit:
(10', 12', 14', or 16')diameter x (5')h
(3.05, 3.66, 4.27, or 4.88)m(diamter) x (1.52)m(h)

Approximate weight:
Depending on size, weight varies between:
112.46lbs/51.01kgs - 299.09lbs/135.66kgs

Shipping	Graphic
Packing case(s): 2-4 expandable cardboard boxes depending on size	Refer to related graphic template for more information.
Shipping dimensions: Expandable cardboard box length (l) may vary 45-98"l x 16"w x 16"h 1143-2489.2mm(l) x 406.4mm(w) x 406.4mm(h)	Visit: www.exhibitors-handbook.com/ graphic-templates
Approximate total shipping weight (includes cases & graphics): Depending on size, weight varies between: 147.82lbs/67.05kgs - 355.67lbs/161.33kgs	

additional information:

Graphic material:
dye-sublimation zipper pillowcase fabric

Included In Your Kit

EYEBOLT x12

ES50 x16

ES30 x32

CH-SP4-HD-12 x1

CH-ID-HD-02 x8

ALLEN KEY SET x1

TIER-RNG-12-TOP-G x1

TIER-RNG-12-MDL-G x1

TIER-RNG-12-BTM-G x1

Included In Your Kit

Tubes

TIER-RNG-10-08-T1 x8

TIER-RNG-10-08-T2 x8

TR-SPDR-30 x16

TIER-RNG-10-10-T1 x8

TIER-RNG-10-10-T2 x8

TIER-RNG-12-12-T1 x8
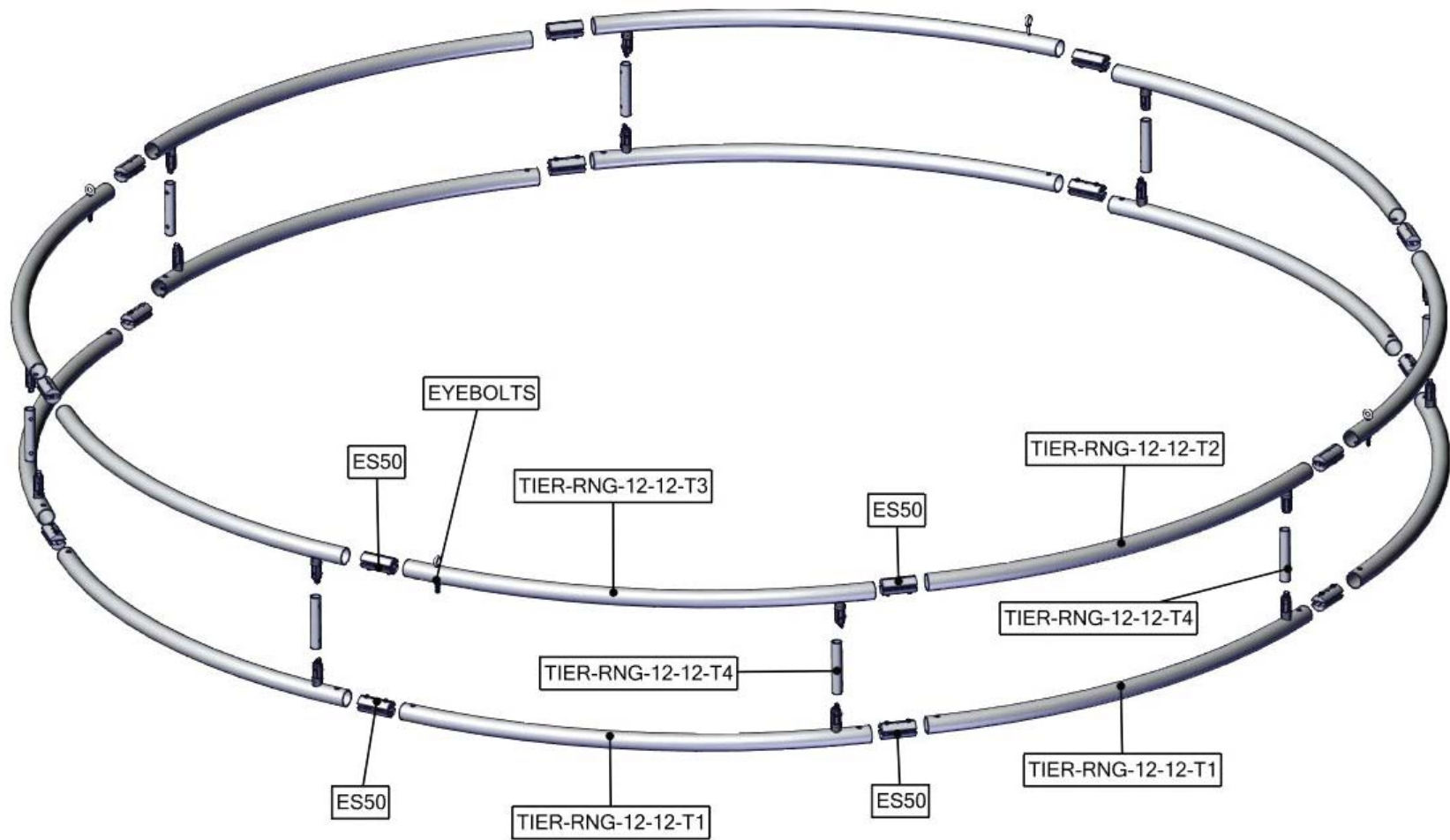
TIER-RNG-12-12-T2 x4

TIER-RNG-12-12-T3 x4

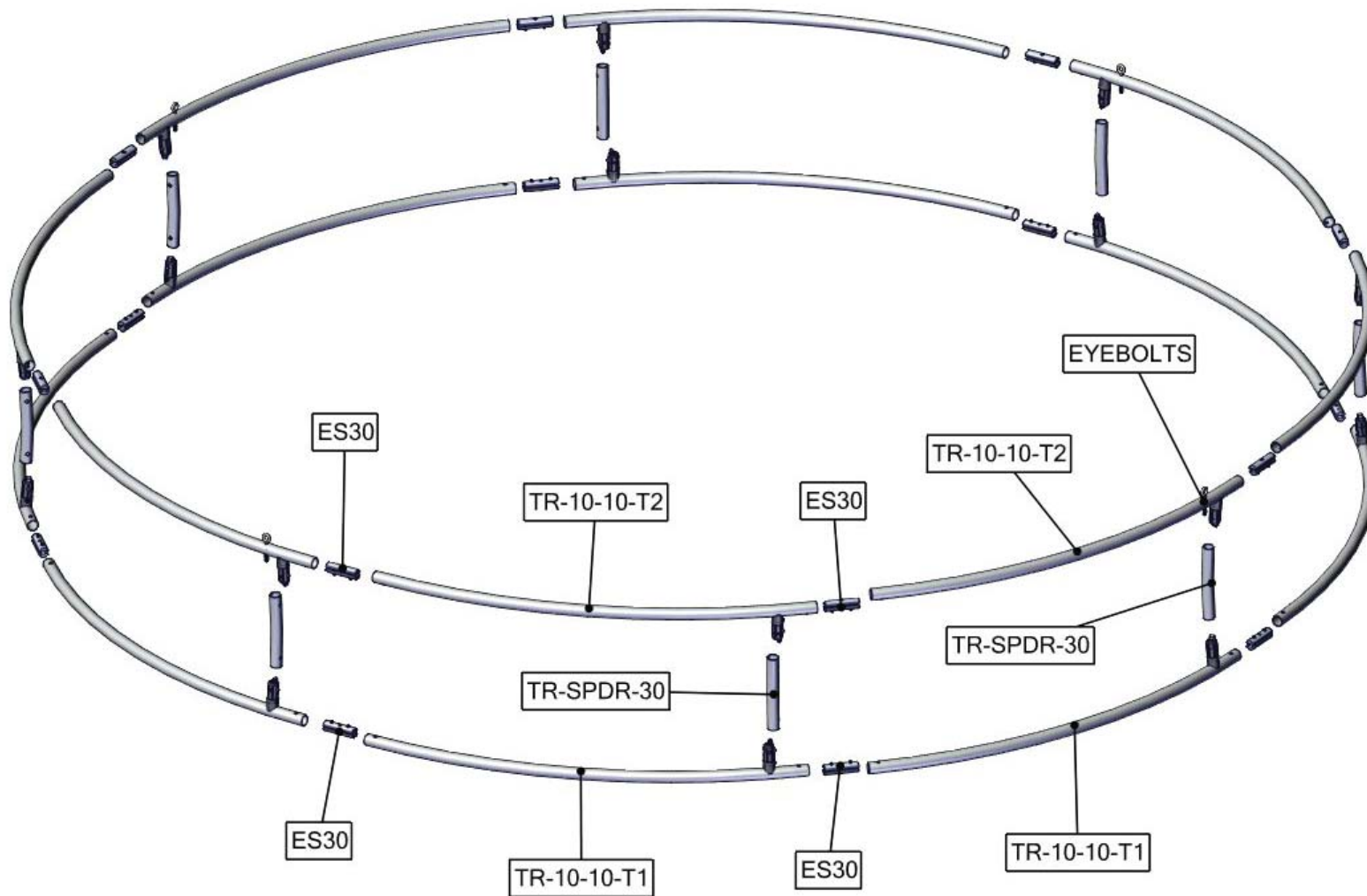TIER-RNG-12-12-T4 x8

Exploded View
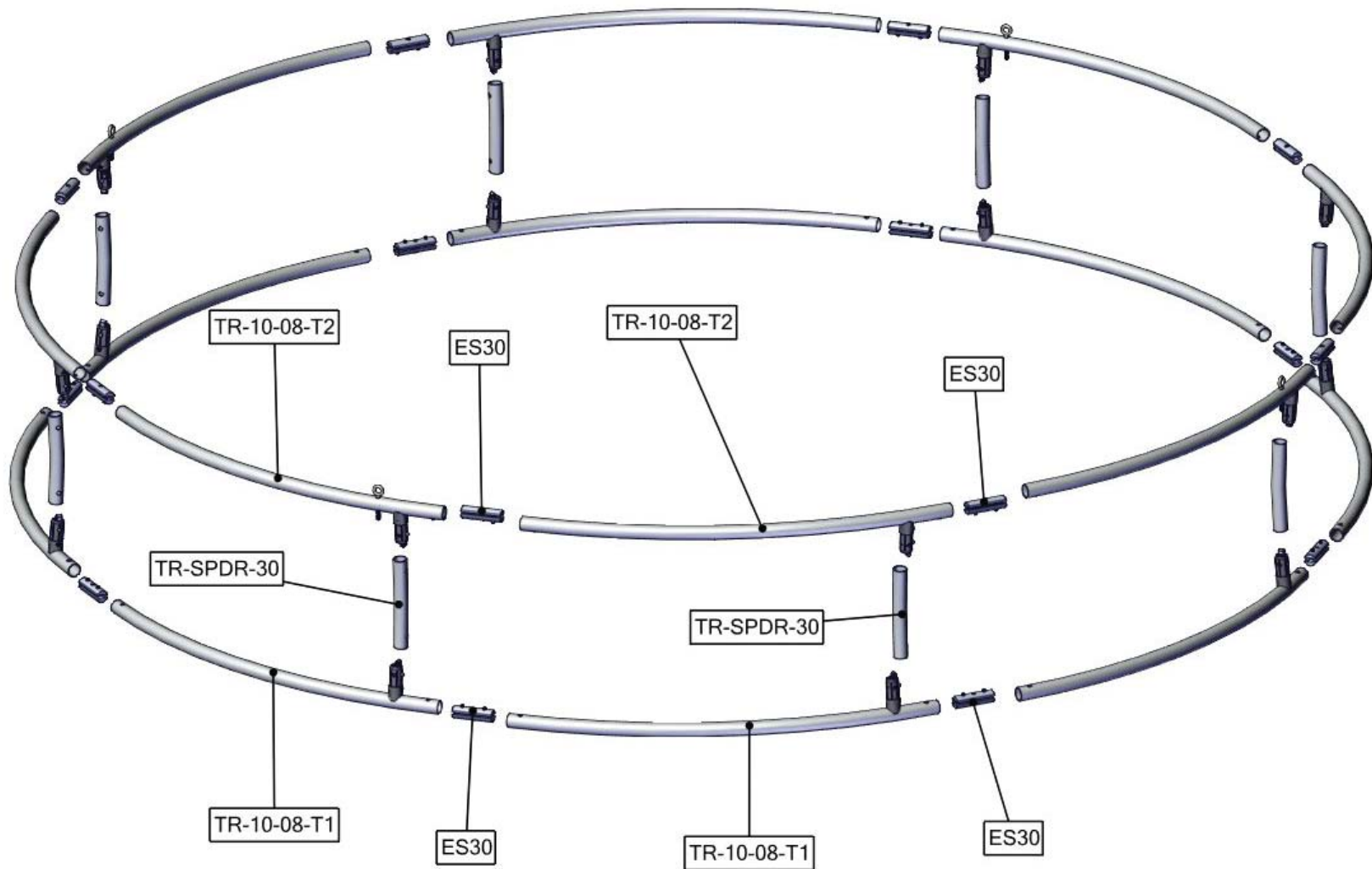
TIER-RNG-12
Frame A

EYEBOLTS

ES50

TIER-RNG-12-12-T3

ES50

TIER-RNG-12-12-T2

TIER-RNG-12-12-T4

TIER-RNG-12-12-T4

TIER-RNG-12-12-T1

ES50

ES50

TIER-RNG-12-12-T1

Exploded View

TIER-RNG-12
Frame B

EYEBOLTS

ES30

TR-10-10-T2

ES30

TR-10-10-T2

TR-SPDR-30

TR-SPDR-30

ES30

TR-10-10-T1

ES30

TR-10-10-T1

Exploded View

TIER-RNG-12
Frame C

TR-10-08-T2

TR-10-08-T2

ES30

ES30

TR-SPDR-30
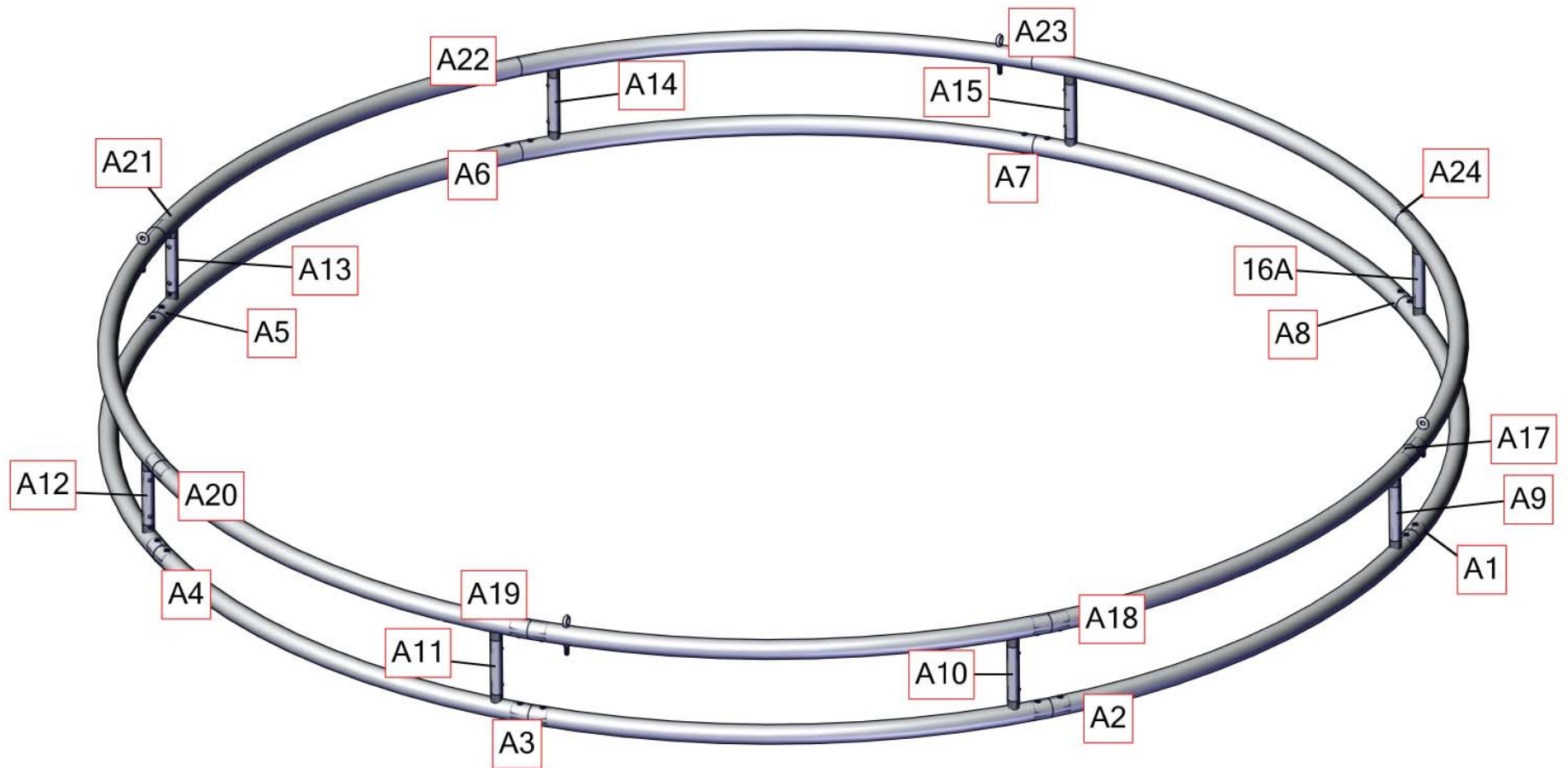
TR-SPDR-30

TR-10-08-T1
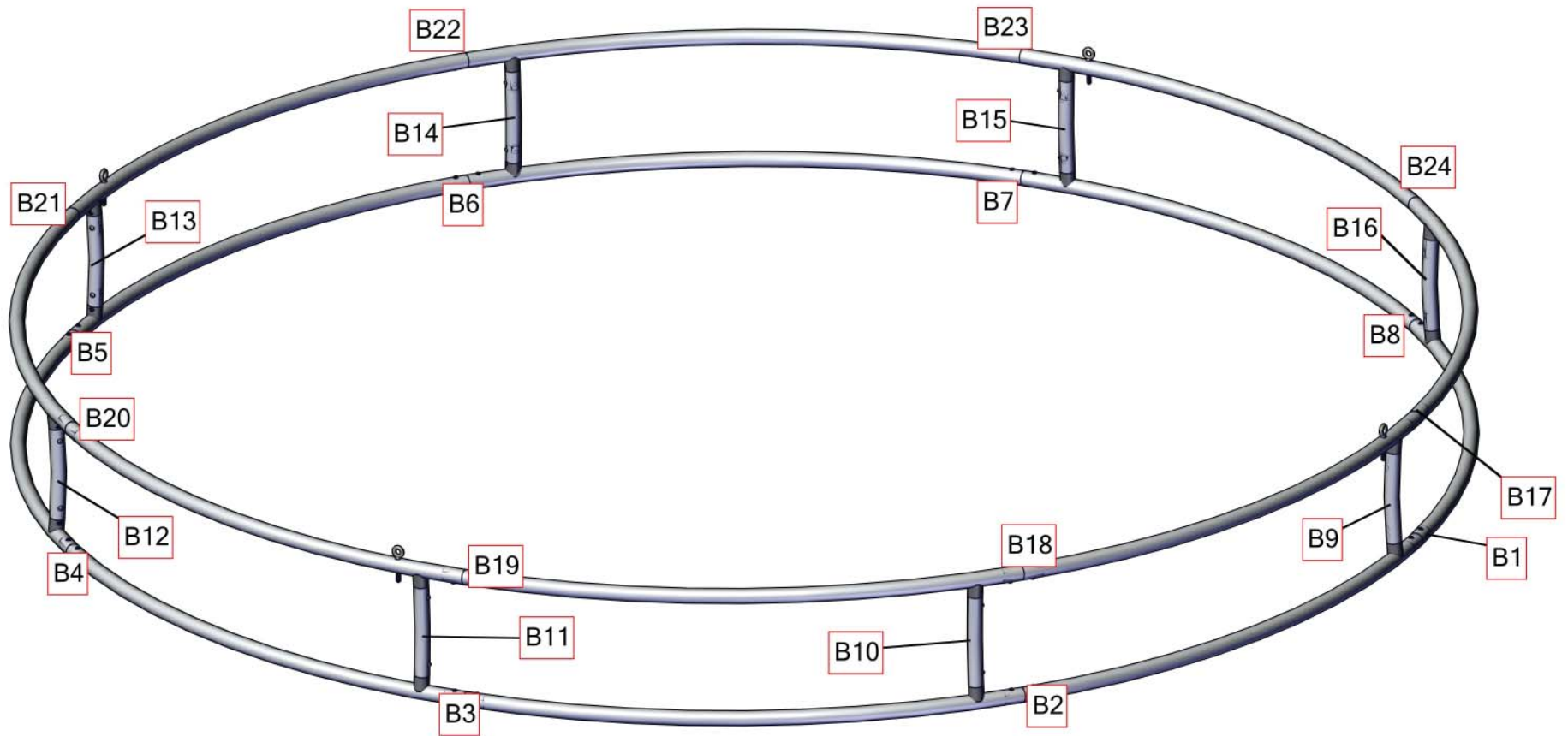
ES30

TR-10-08-T1

ES30

Labeling Diagram

TIER-RNG-12
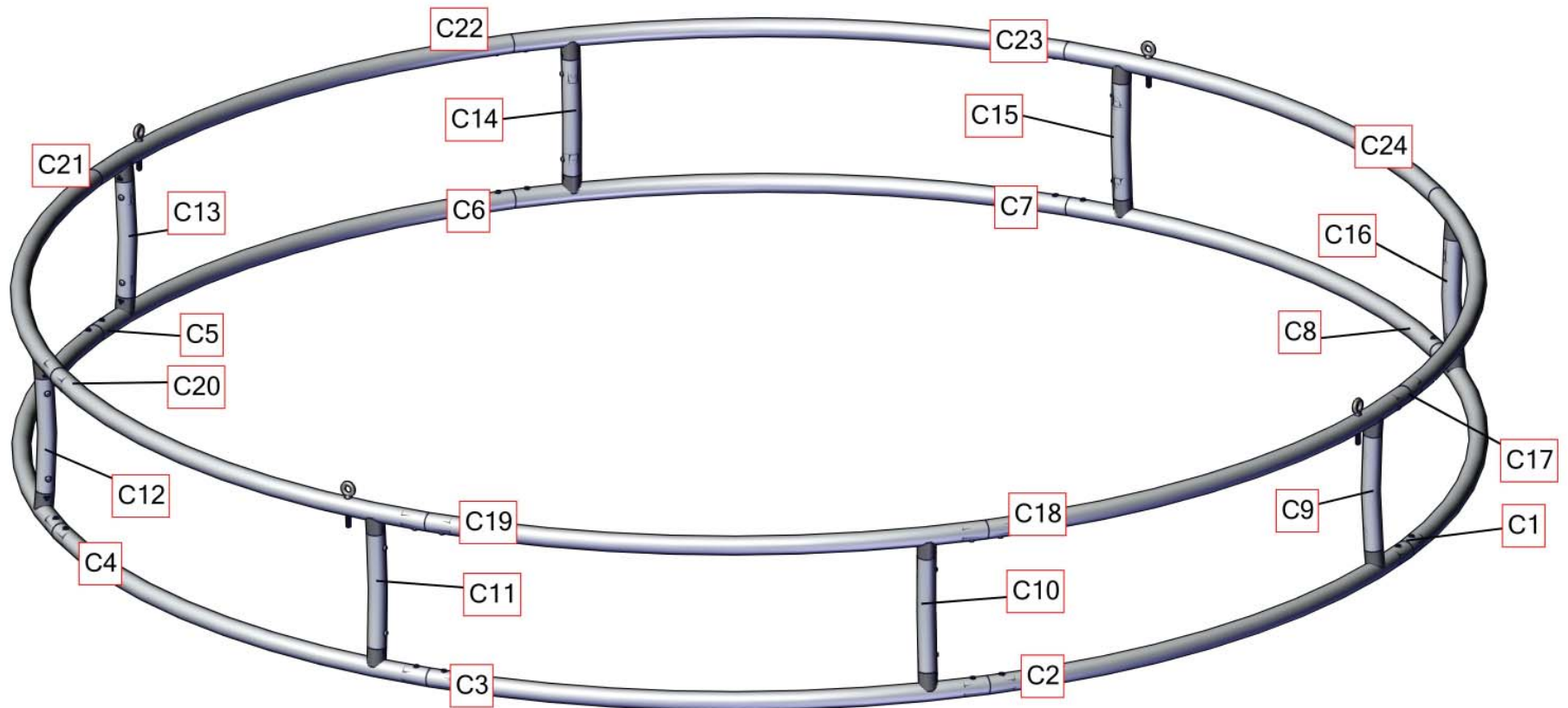Frame A

Labeling Diagram

TIER-RNG-12
Frame B
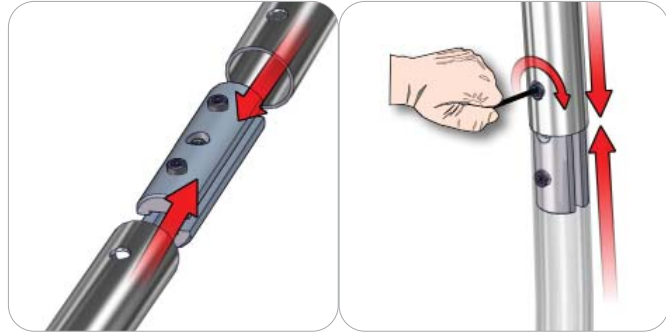
Labeling Diagram

TIER-RNG-12
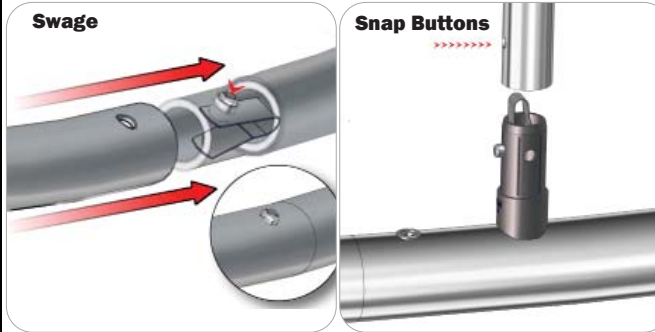Frame C

Connection Methods

Formulate® structures use a number of different yet simple connection methods. Your kit will include one or more of the connection methods shown below. Steps within the Kit Assembly will reference a specific method for each connection point.
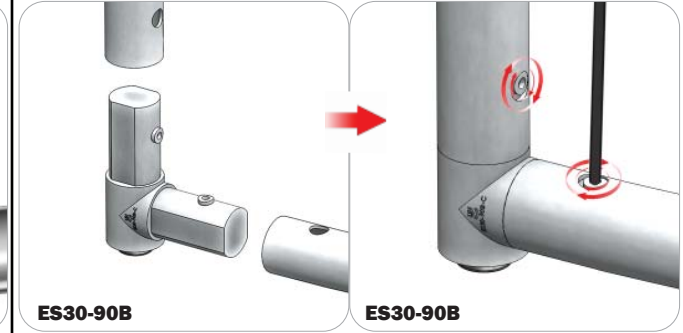
Connection Method 1:
ES30 / ES50 / ES75

Compress the unlocked connector and slide one tube onto each end. Lock both screws carefully using your allen key tool. Be sure to lock securely, but do not overtighten.

Connection Method 2:
Snap Buttons & Swage
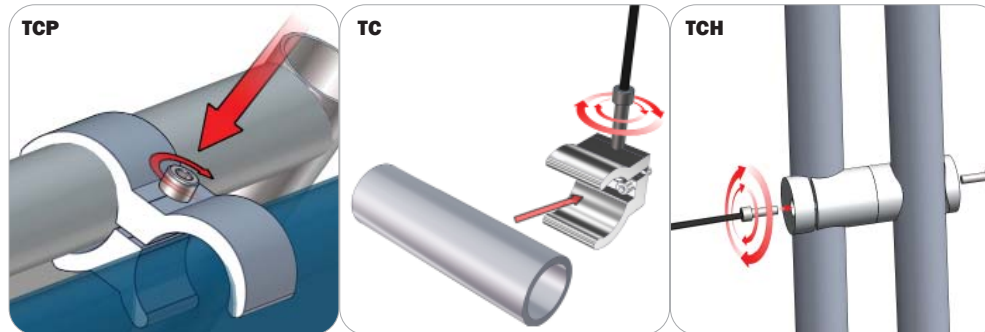
Swage

Snap Buttons

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 3:
ES30-90B / ES30-I / ES30-C

ES30-90B

ES30-90B

Compress one unlocked end of the connector and slide it through one tube end. Compress the other end of the connector and slide the second tube on. Lock both screws carefully using your allen key tool. Be sure to lock securely, but do not overtighten.

Connection Method 4:
Tube Clamps

TCP

TC

TCH

Be sure to fully assemble all frames before using clamps. With the clamp unlocked, place one tube of the first frame into the mouth of the clamp. Place the second tube (if applicable) into the second mouth of the clamp. With both frame's tubes in the clamp, be sure to lock securely, but do not overtighten.

Kit Assembly

Step by Step:

SET UP INSTRUCTIONS:

1. CONNECT BOTTOM AND TOP TUBES FOLLOWING THE LABELS
2. CONNECT SIDE TUBES
3. CLEAN THE FRAME AND PLACE THEM ON CLEAN PLACE
4. CAREFULLY REMOVE FABRIC COVER FFOM BAG
5. PLACE COVER AROUND THE BOTTOM OF THE FRAME
6. PULL COVER CAREFULLY UP TO THE TOP
7. CLOSE ALL ZIPPERS
8. ADJUST FABRIC AROUND THE FRAME
9. CONNECT CABLE HARNESS TO THE EYEBOLTS
10. COMPLETELY TIGHTEN THREADED CONNECTORS

BREAK DOWN INSTRUCTIONS:
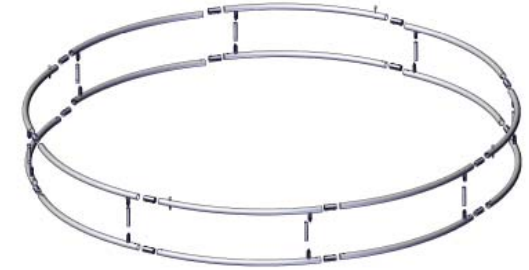REVERSE SET-UP STEPS TO BREAKDOWN FRAME

FABRIC CARE INSTRUCTIONS:
1. UNZIP COVER ZIPPERS
2. CAREFULLY REMOVE FABRIC COVER
3. CLOSE ALL ZIPPERS
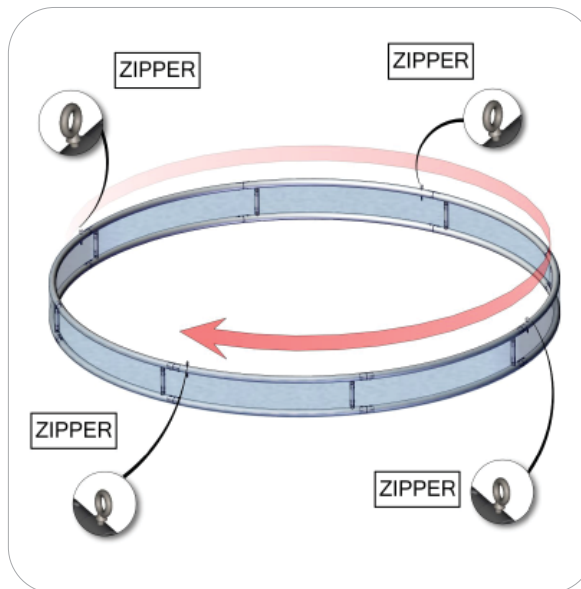4. FOLD OR ROLL NEATLY
5. PLACE FABRIC IN COVER BAG

Step 1.

Locate the components necessary for assembling Frame A referenced on the exploded view page. Assemble your frame in order according to the Labeling Diagram.

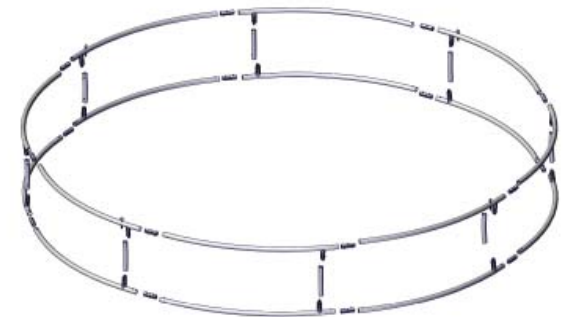Please reference Connection Method 1and 2 for more details.

Step 2.

Apply the TIER-RNG-12-TOP-G graphic pillowcase around the frame from the bottom and then zipper around the top edge.

ZIPPER ZIPPER

ZIPPER

ZIPPER

Step 3.

Locate the components necessary for assembling Frame B referenced on the exploded view page. Assemble your frame in order according to the Labeling Diagram.

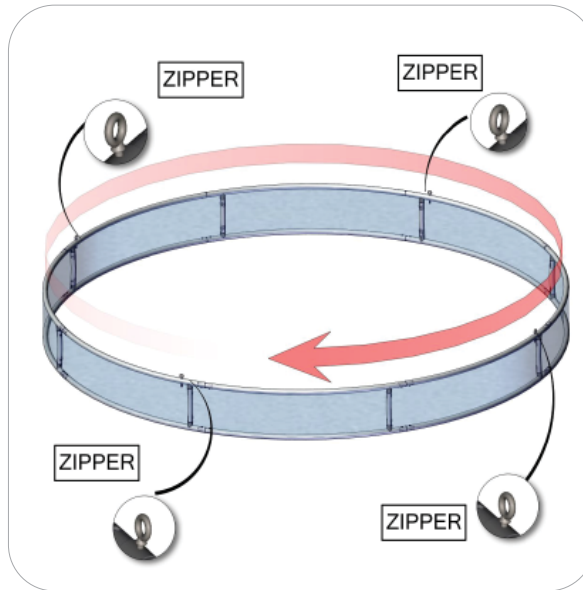Please reference Connection Methods 1 and 2 for more details.
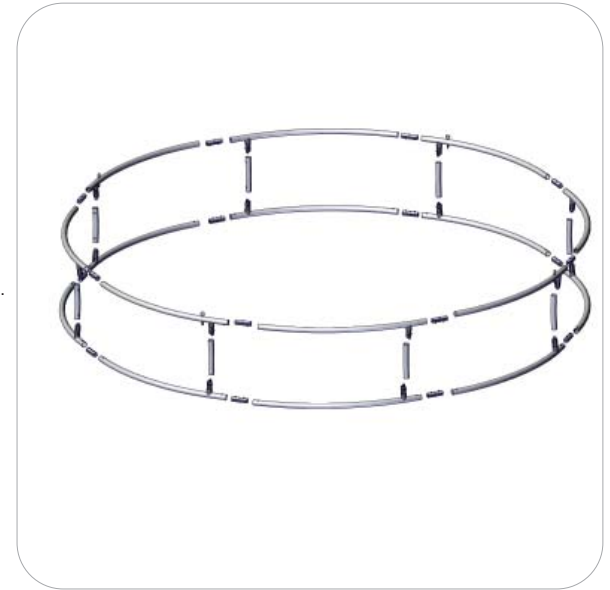
Kit Assembly

Step by Step:

Step 4.

Apply the TIER-12-MDL-G graphic pillowcase around the frame from the bottom and then zipper around the top edge.

ZIPPER

ZIPPER
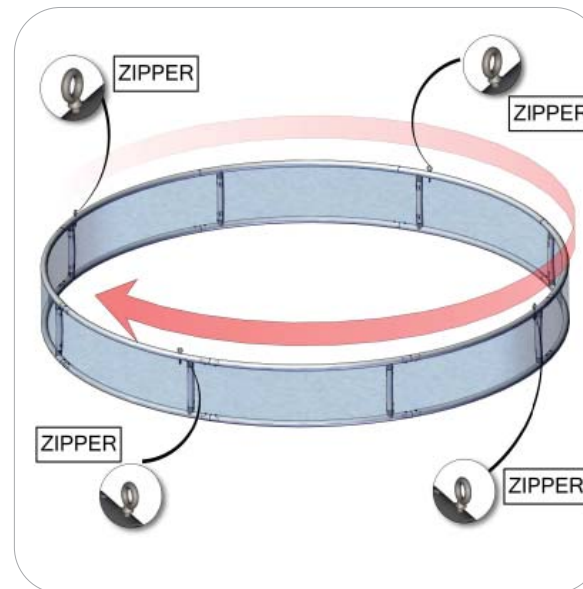
ZIPPER

ZIPPER

Step 5.

Locate the components necessary for assembling Frame C referenced on the exploded view page.   Assemble your frame in order according to the Labeling Diagram.

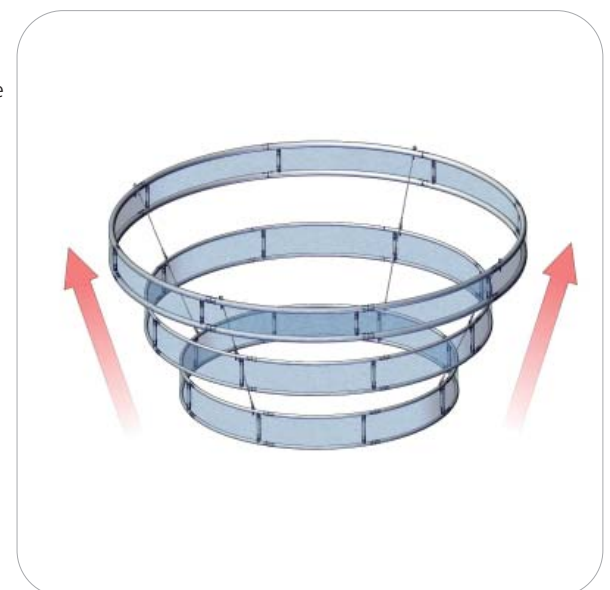Please reference Connection Methods 1 and 2 for more details.

Step 6.

Apply the TIER-12-BTM-G graphic pillowcase around the frame from the bottom and then zipper around the top edge.

ZIPPER

ZIPPER

ZIPPER

ZIPPER

Step 7.

Attach the Frames together at the eyebolts using the CD-ID-HD-02 cables.

Kit Assembly

Step by Step:

Step 8.

The structure is now ready to hang with the CH-SP4-HD.