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

**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”w x 16”h
1143-2489.2mm(l) x 406.4mm(w) x 406.4mm(h)

Approximate total shipping weight
(includes cases & graphics):
Depending on size, weight varies between:
147.82lbs/67.05kgs - 355.67lbs/161.33kgs

**additional information:**

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.

Visit:
www.exhibitors-handbook.com/graphic-templates
Included In Your Kit

Components & Connectors

- EYEBOLT x12
- ES50 x44
- CH-SP4-HD-08 x1
- CH-ID-HD-02 x8

Graphics

- TIER-RING-10-TOP-G x1
- TIER-RING-10-MDL-G x1
- TIER-RING-10-BTM-G x1
Included In Your Kit

- TIER-RING-10-06-T1 x8
- TIER-RING-10-06-T2 x8
- TIER-RING-10-08-T1 x8
- TIER-RING-10-08-T2 x8
- TIER-RING-10-10-T1 x6
- TIER-RING-10-10-T2 x6
- TR-SPDR-30 x24
Exploded View

TIER-RNG-10
Frame C
Labeling Diagram

TIER-RNG-10
Frame A
Labeling Diagram

TIER-RNG-10
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.

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**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.

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**Connection Method 2:**
**Snap Buttons & Swage**

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.

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**Connection Method 3:**
**ES30-90B / ES30-I / ES30-C**

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.

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**Connection Method 4:**
**Tube Clamps**

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:

Step 1.
Locate the components necessary for assembling Frame A referenced on the exploded view page.

Please reference Connection Method 1 for more details.

Step 2.
Apply the TIER-12-TOP-G graphic pillowcase around the frame from the bottom and then zipper around the top edge.

Step 3.
Locate the components necessary for assembling Frame B referenced on the exploded view page.

Please reference Connection Methods 2 for more details.
Kit Assembly

Step by Step:

Step 4.
Apply the TIER-12-MLD-G graphic pillowcase around the frame from the bottom and then zipper around the top edge.

Step 5.
Locate the components necessary for assembling Frame C referenced on the exploded view page.
Please reference Connection Methods 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.

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.