Formulate Designer Series 20' Backwall - Kit 11

FMLT-DS-20-11

Formulate® Designer Series 20ft displays have unique stylistic features and shapes, are portable and easy to assemble. The aluminum tube frame features snap-buttons and/ or spigot connections and zipper pillowcase fabric graphics. All displays come in portable, wheeled transit cases. Simply pull the pillowcase fabric graphic(s) over the frame and zip.

features and benefits:

- Premium aluminum tube frames with snap button / spigot assembly
- Easy to store and ship
- Quick to set up
- Weighted feet for added stability

- Zipper pillowcase fabric graphic
- Kit includes: medium monitor mount, can hold 32-55" monitor/ max weight 40lbs, and four literature holders
- Lifetime limited hardware warranty against manufacturer defects

dimensions:

Hardware	Graphic
Assembled unit: 229.86"w x 94.18"h x 47.34"d 5839mm(w) x 2393mm(h) x 1203mm(d) Approximate weight with cases: 203 lbs / 92.1 kgs	Refer to related graphic template for more information. Visit: www.exhibitors-handbook.com/graphic-templates

Shipping	
Packing case(s): 3 OCE Cases Shipping dimensions: OCE: Expandable case length (l) may vary 40" - 66"l x 18"h x 18"d 1016mm-1677mm(l) x 458mm(h) x 458mm(d) Approximate total shipping weight (includes cases & graphics): 235 lbs / 106.6 kgs	

additional information:

Graphic material:
dye-sublimation zipper pillowcase fabric

Included In Your Kit

ALLEN KEY SET x1

TC-30-A-TC-30-B-ASY x2

TC-30-T x7
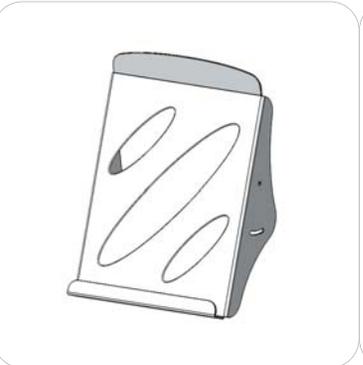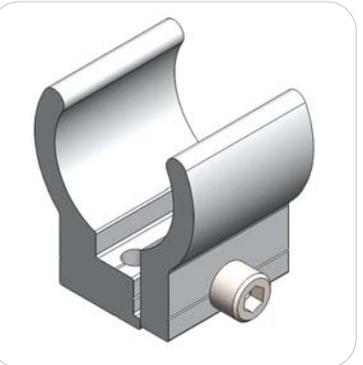
TC-30-90-T x4

TC-30-X x1

ES30 x6
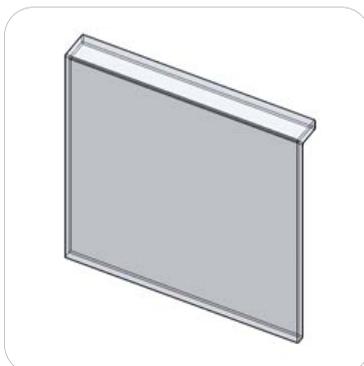
ES50-1 x16

LN112 x4

TC-30-C x4

Graphics

FMLT-DS-20-11-A-G

FMLT-DS-20-11-B-G

Included In Your Kit

Tubes

DS-20-11-A-T1   x4

DS-20-11-A-T2   x6

DS-20-11-A-T3   x2

DS-20-11-A-T4   x2

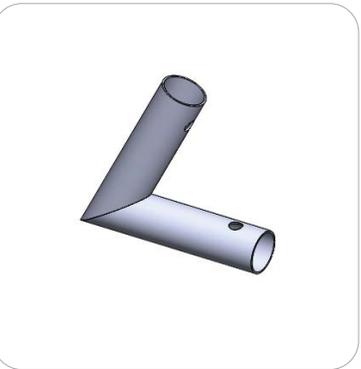DS-20-11-A-T5   x2

DS-20-11-A-T6   x1

DS-20-11-A-T7   x1

DS-20-11-A-T8   x2

DS-20-11-A-T9   x2

DS-20-10-T1   x1

DS-20-10-T2   x1

DS-20-10-T3   x1

DS-20-10-T4   x1

DS-20-10-T5   x2

DS-20-10-T6   x4

Included In Your Kit

Tubes

DS-20-10-T7   x1

DS-20-10-T8   x4

DS-20-10-T9   x2
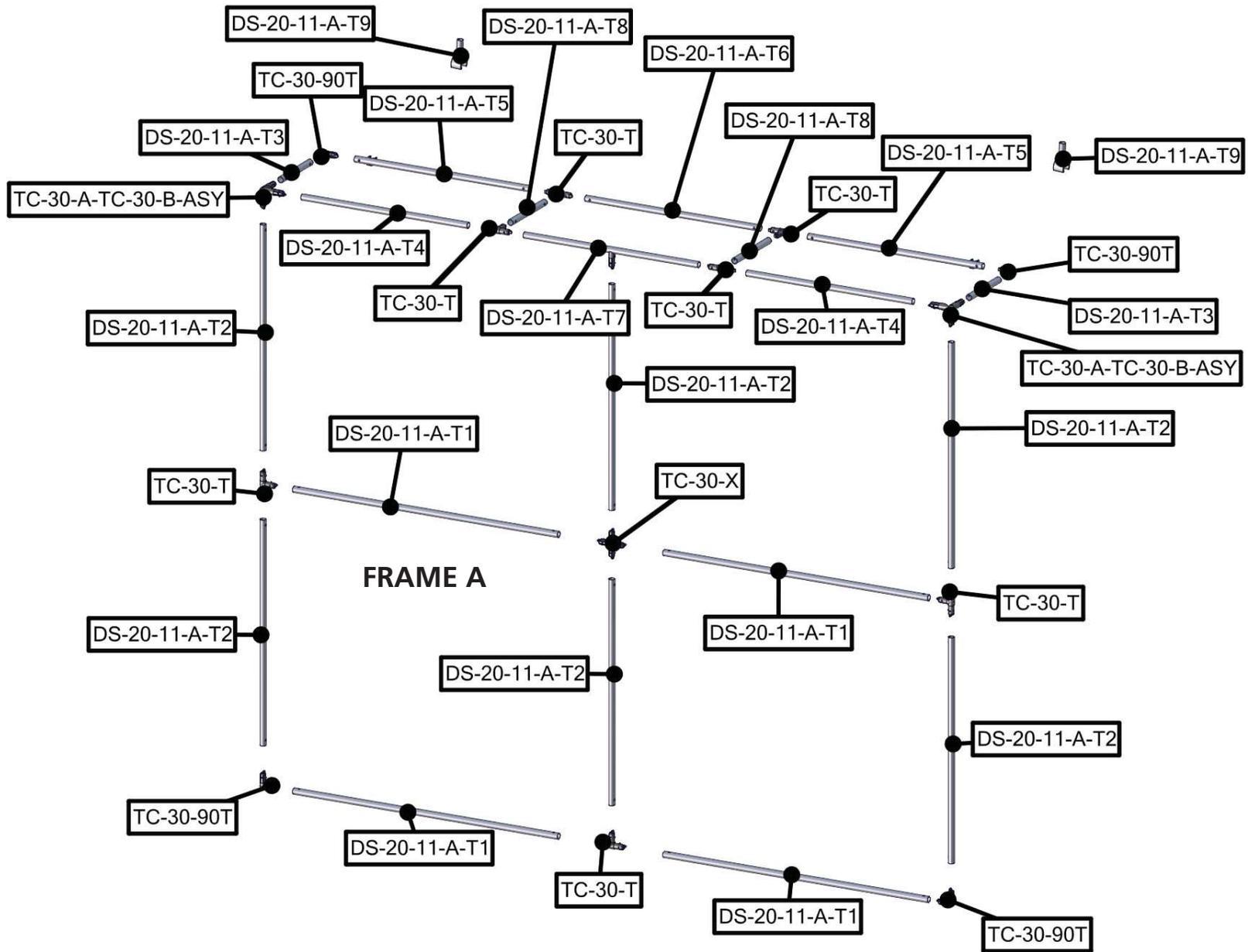
DS-20-10-T10   x1

DS-20-10-T11   x1

DS-20-10-T12   x2
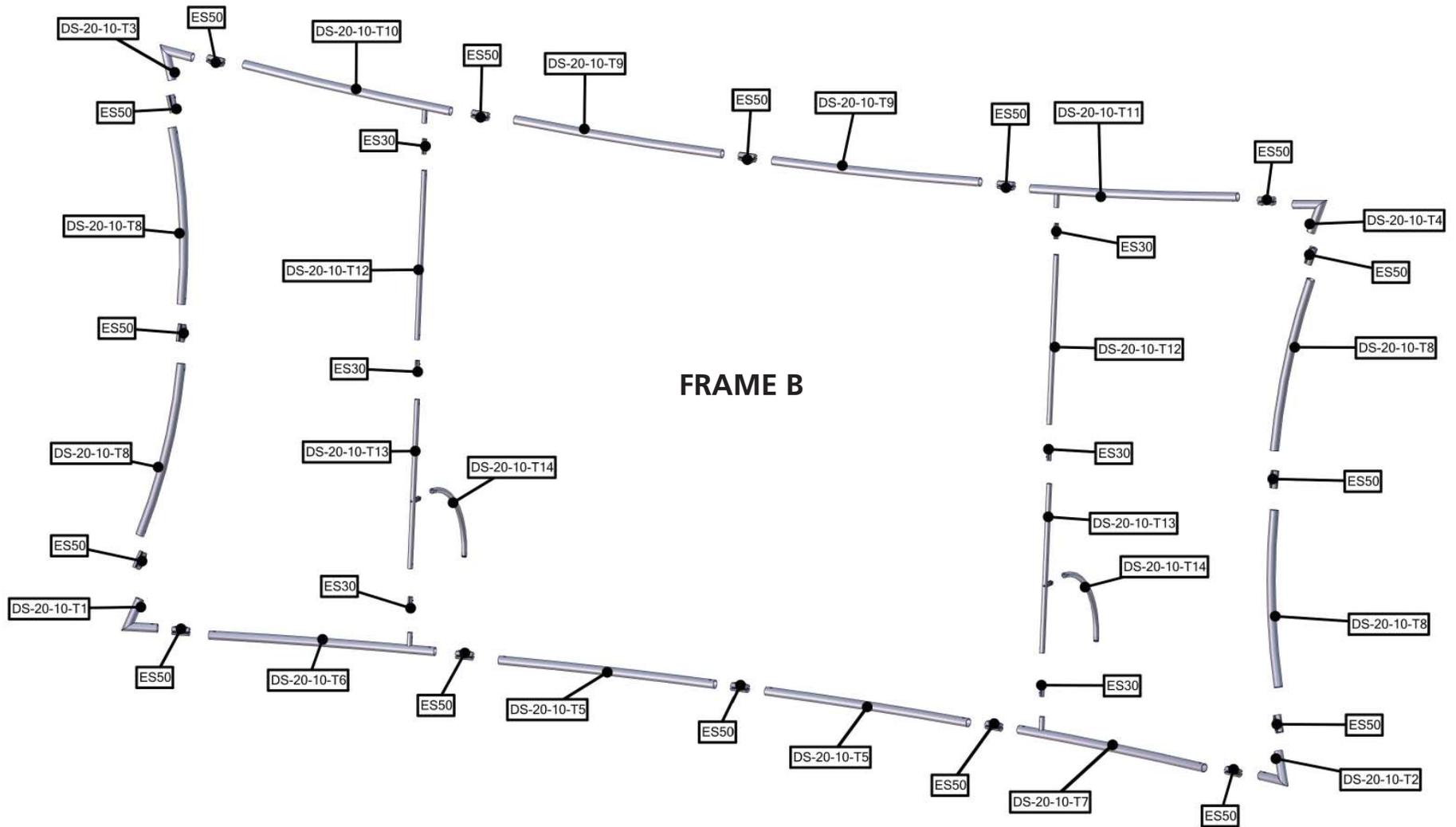
DS-20-10-T13   x2

DS-20-10-T14   x2
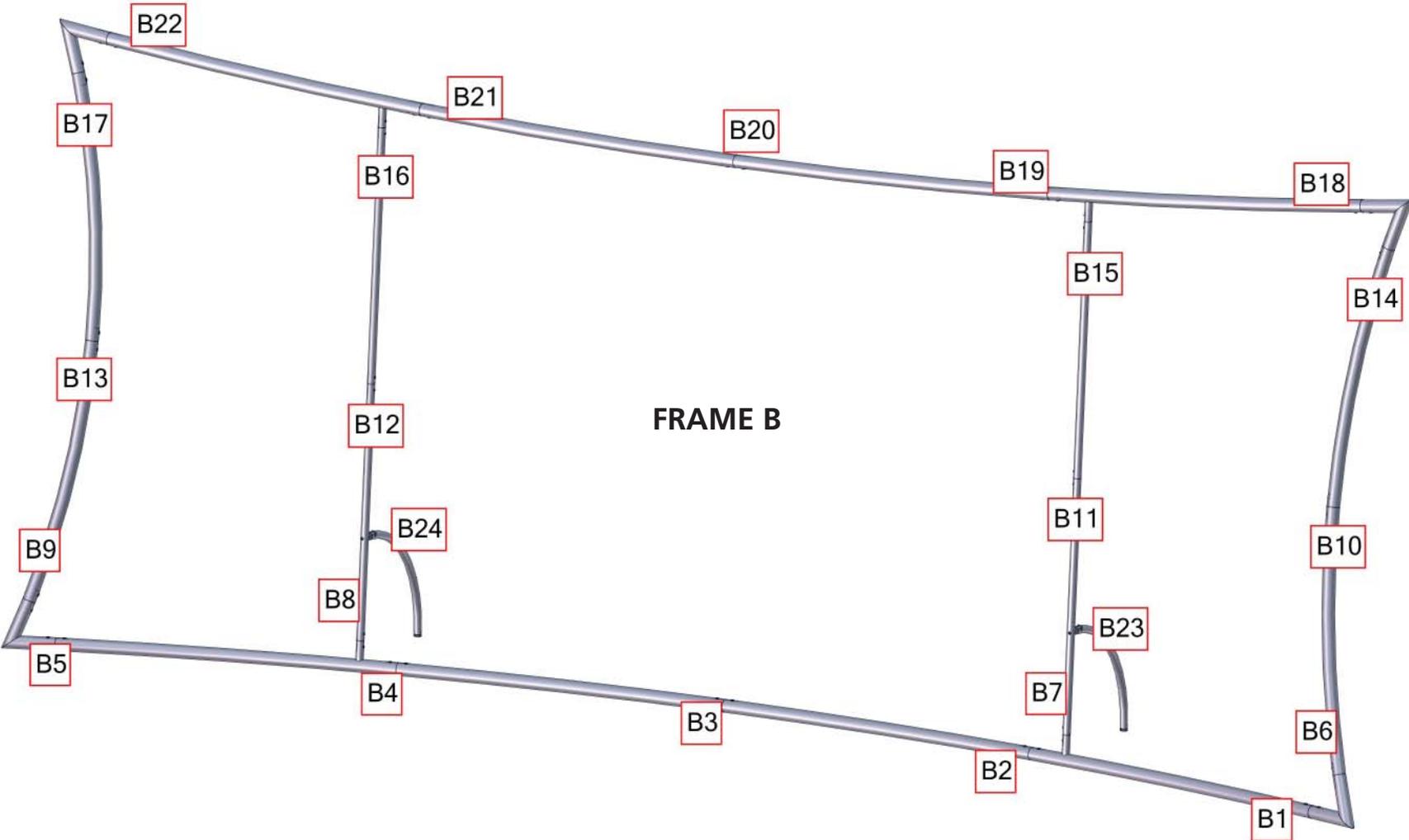
Exploded View

FMLT-DS-20-11

DS-20-11-A-T9

DS-20-11-A-T8

DS-20-11-A-T6

TC-30-90T

DS-20-11-A-T5

DS-20-11-A-T8

DS-20-11-A-T3

TC-30-T

DS-20-11-A-T5

DS-20-11-A-T9

TC-30-A-TC-30-B-ASY

TC-30-T

DS-20-11-A-T4

TC-30-90T

TC-30-T

DS-20-11-A-T4

DS-20-11-A-T2

TC-30-T

DS-20-11-A-T7

TC-30-T

DS-20-11-A-T3

TC-30-A-TC-30-B-ASY

DS-20-11-A-T2

DS-20-11-A-T2

DS-20-11-A-T1

TC-30-X

TC-30-T

FRAME A

DS-20-11-A-T2

DS-20-11-A-T1

DS-20-11-A-T2

DS-20-11-A-T2

TC-30-90T

DS-20-11-A-T1

TC-30-T

DS-20-11-A-T1

TC-30-90T

Exploded View

FMLT-DS-20-11

DS-20-10-T3
ES50
DS-20-10-T10
ES50
DS-20-10-T9
ES50
DS-20-10-T9
ES50
DS-20-10-T11
ES50
ES50
ES30
DS-20-10-T4
DS-20-10-T8
ES30
ES50
DS-20-10-T12
DS-20-10-T12
DS-20-10-T8
ES50
ES30
FRAME B
DS-20-10-T8
DS-20-10-T13
ES30
DS-20-10-T14
DS-20-10-T13
ES50
ES50
DS-20-10-T14
DS-20-10-T1
ES30
DS-20-10-T8
ES50
DS-20-10-T6
ES50
DS-20-10-T5
ES50
ES30
DS-20-10-T5
ES50
ES50
DS-20-10-T5
ES50
DS-20-10-T7
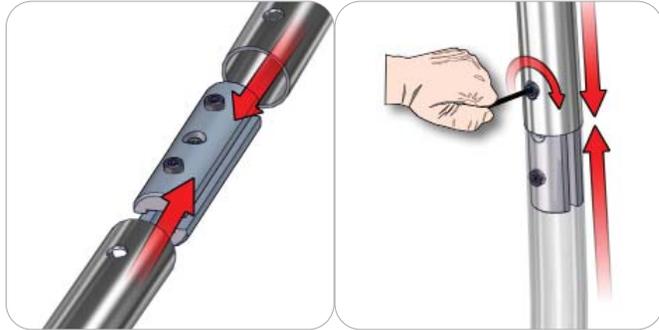DS-20-10-T2
ES50

Labeling Diagram

FMLT-DS-20-11


FRAME B

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
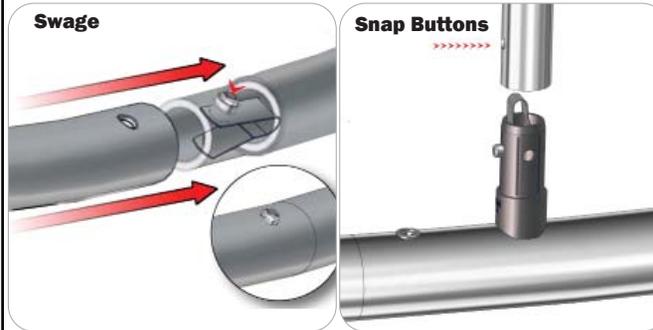
Swage

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:
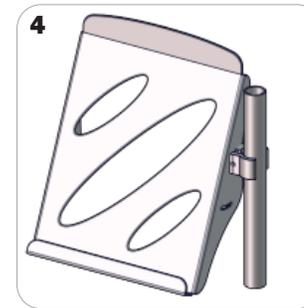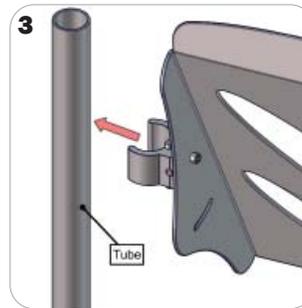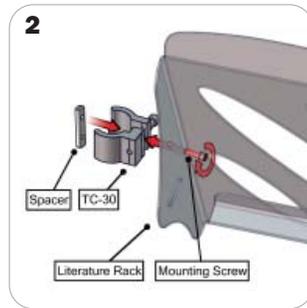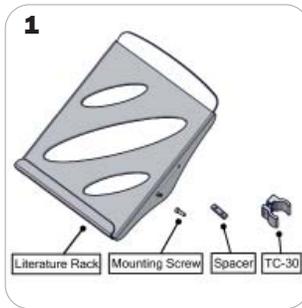### Tube Clamps

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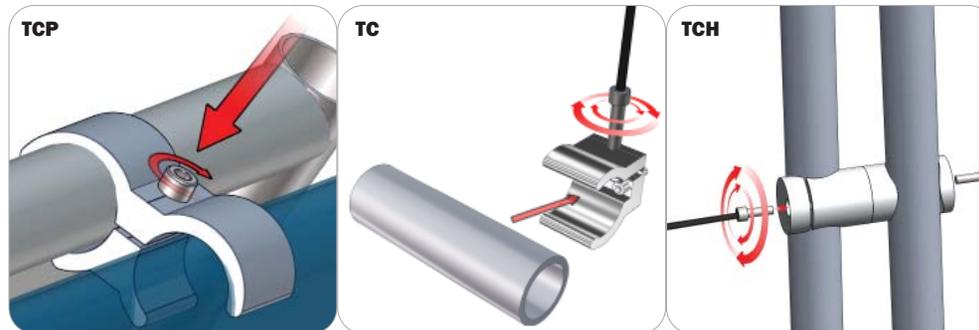
Be sure to fully assemble all frames before using clamps. With the clamp unlocked, place one tube of the first frame into the mouth of the clamp. Place the second tube (if applicable) into the second mouth of the clamp. With both frame's tubes in the clamp, be sure to lock securely, but do not overtighten.

Literature Pocket Assembly

Tube Connections

LN112

1. Literature Rack, Mounting Screw, Spacer, TC-30
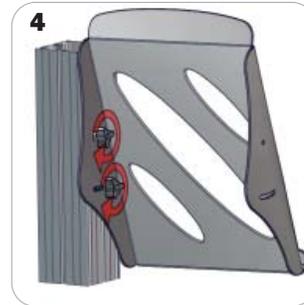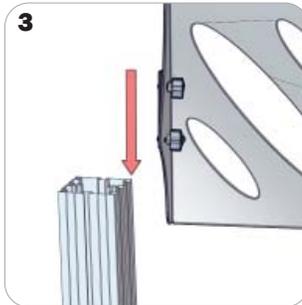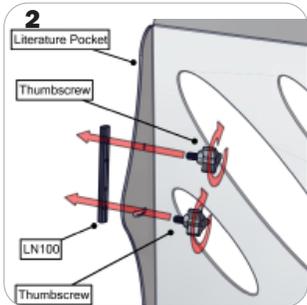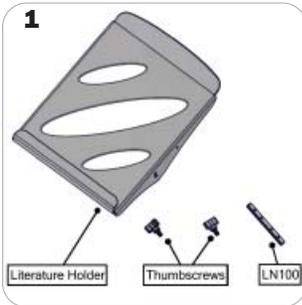2. Spacer, TC-30, Literature Rack, Mounting Screw
3. Tube
4.

Locate and unpack your LN112 assembly. Assemble the components in the order shown in step 2. Before tightening into place, adjust angle. Use your allen key tool to lock the mounting screw. Attach the tube clamp to the tube in the desired location. Use your allen key tool to lock the clamp into place.

Extrusion Connections

LN112

1. Literature Holder, Thumbscrews, LN100
2. Literature Pocket, Thumbscrew, LN100, Thumbscrew
3.
4.

Locate and unpack your LN112 assembly. Assemble the components in the order shown in step 2, do not tighten. Slide the LN100 through the channel to the desired mounting location. Adjust angle. Hand tighten to lock into place.

LN112-2
LN112-3
LN112-4

1. Literature Pocket
2.
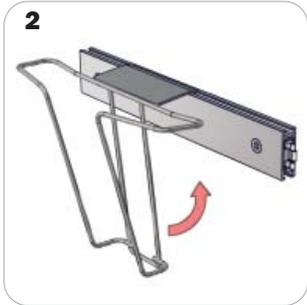
Locate and unpack your literature pocket. Tilt your literature pocket so that the end of the flange sits inside of the desired horizontal channel. Rotate your literature pocket so the end of the flange rests inside of the channel.

ABH-01

1. ABH-01, CKSO, CKSO
2.
3.
4.
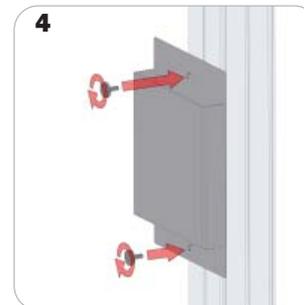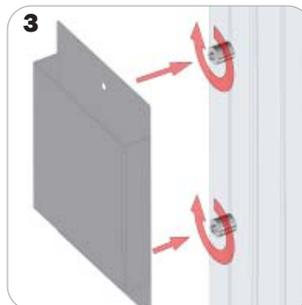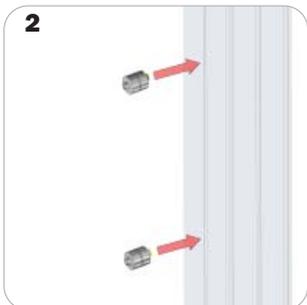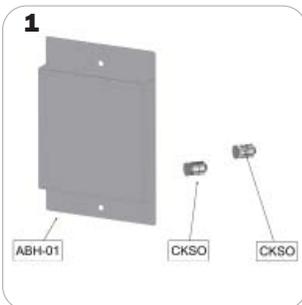
Locate and unpack your ABH-01 assembly. Disassemble your CKSO standoff barrels by unscrewing their caps. Screw the long barrel base into the channel to lock into place. Align the holes of your ABH-01 literature pocket with the CKSO barrels, adjust the CKSO location if neccessary. Screw the CKSO caps onto over the holes of the ABH-01 into the barrels.
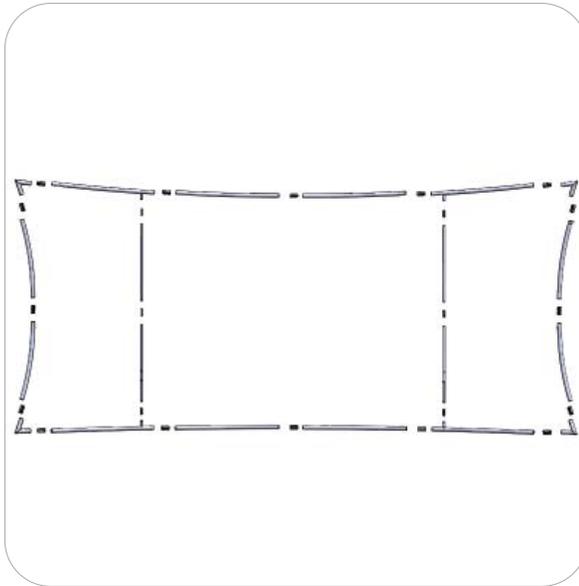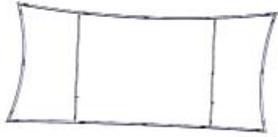
Kit Assembly

Step by Step

Step 1.

Locate the components necessary for assembling Frame B. Assemble your frame in order according to the Labeling Diagram.
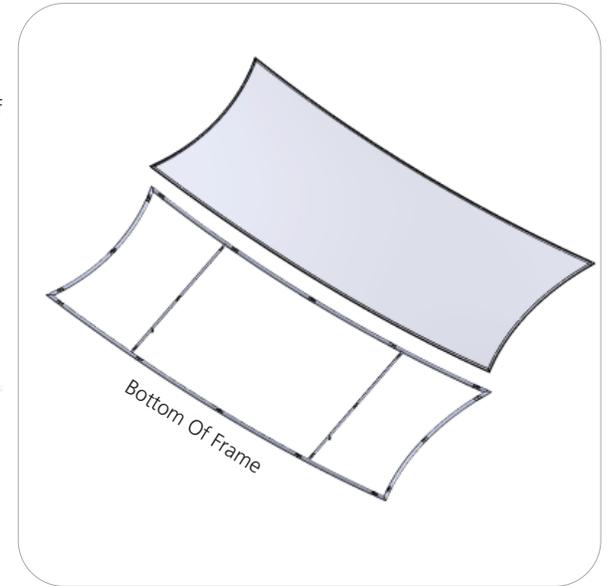
Please reference Connection Methods 1 & 2 for more details.

Step 2.

Fit the FMLT-DS-20-11-B-G graphic onto Frame B. For ease of installation, pull the fabric cover over the top of the frame while the frame rests flat on the floor. Zip to enclose.

Zipper located on the bottom of Graphic B.

Bottom Of Frame

Step 3.

Attach the FMLT-DS-20-10-A-T14 to the connectors protruding through the graphics.

Please reference Connection Method 2 for more details

Step 4.

Locate the components necessary for assembling Frame A. Assemble your frame in order according to the Exploded View.

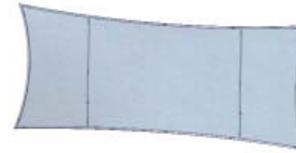Please reference Connection Method 2 for more details.

Kit Assembly

Step by Step

Step 5.

Fit the FMLT-DS-20-11-A-G graphic onto Frame A. For ease of installation, pull the fabric cover from the bottom of the frame while the frame rests flat on the floor. Zip to enclose.
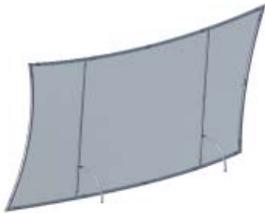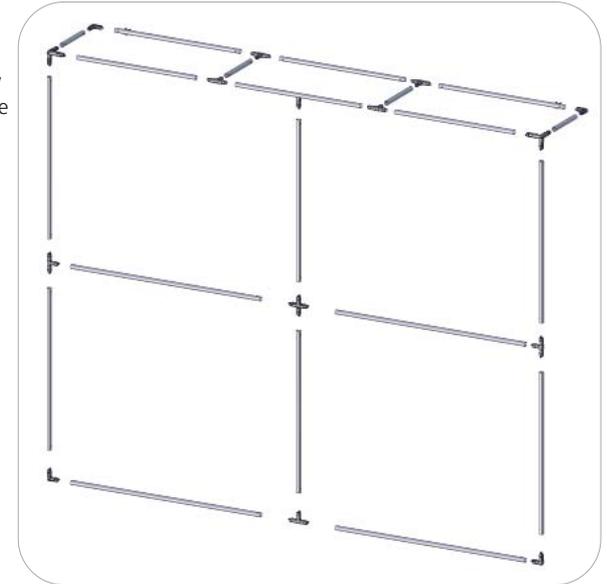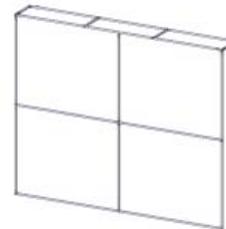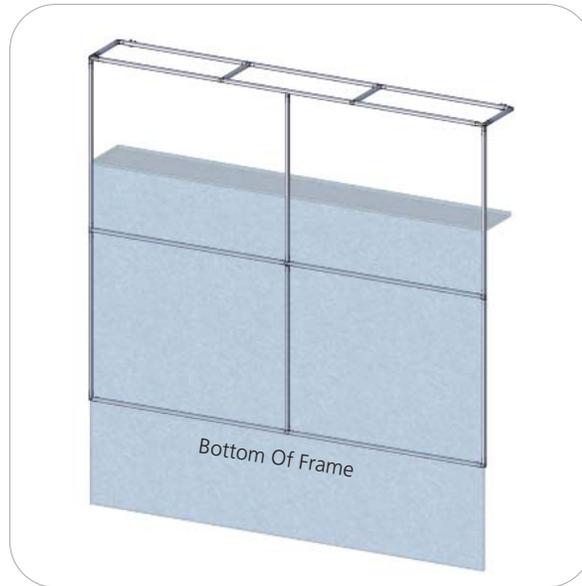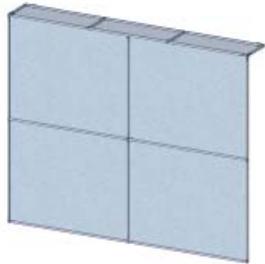
Zipper located to the top of Graphic A.

Bottom Of Frame

Step 6.

Locate the two T9 tube clamping components that will connect your Frame A onto Frame B.
First, attach them onto the T5 tube clamps located at the top of Frame A. Second, attach the T9 tube clamps onto the top of Frame B.

Please reference Connection Method 4 for more details.

DS-20-11-A-T9

DS-20-11-A-T5
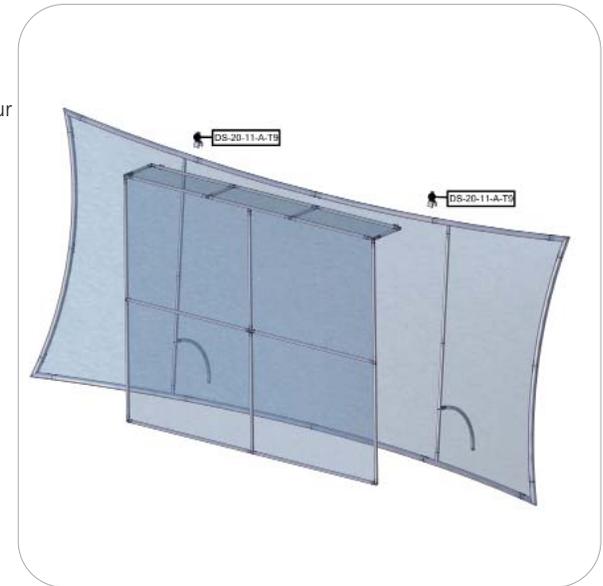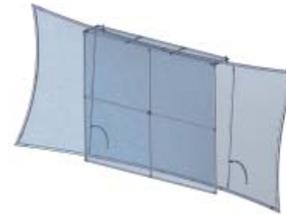
Step 7.

Locate your PM4S3 Monitor Kiosk Kit. Assemble it according to the order of the provided setup instructions. Place the kiosk behind Frame A as shown in the image to the right. The monitor bracket should be protruding out in front of the pillowcase graphic.

Step 8.

Assemble (2) LN112 Literature pockets with TC-30 clamps for left side mounting and (2) for right side mounting. Lock the LN112 assemblies to the left and right sides of Frame A. Be sure to lock to the bare post by sticking the clamps through the holes in the graphic.

Please reference the Literature Pocket Assembly page and Connection Method 4 for more details.

Setup is complete.

PM4S3 Monitor Kiosk

PM4S3-MK-M
PM4S3-MK-L
Kiosk displays are portable and easy to assemble. The aluminum extrusion frame features cam locks, tension glide connections and medium or large monitor mounts. This kiosk comes in a expandable shipping case.

features and benefits:

- Premium aluminum extrusion frames with cam lock and tension glide assembly
- Easy to store and ship
- Quick to set up
- Weighted feet for added stability

- Kiosk Kit includes a medium or large monitor mount
- Lifetime limited hardware warranty against manufacturer defects

dimensions:

Hardware	Shipping
Assembled unit: Medium or Large 25.59"w x 70.87"h x 25.59"d 650mm(w) x 1800mm(h) x 650mm(d) Approximate weight: (excludes cases & monitor mount) Medium or Large 40 lbs / 19 kgs	Packing case(s): Medium or Large 1 OCE Case Shipping dimensions: OCE: Expandable case length (l) may vary 40" - 66"l x 18"h x 18"d 1016mm-1677mm(l) x 458mm(h) x 458mm(d) Approximate total shipping weight: (includes cases & monitor mount) Medium 83 lbs / 38 kgs Large 85 lbs / 39 kgs

additional information:

-Medium monitor mount can hold 32-55" monitor/ max weight 40lbs

-Large monitor mount can hold 40"-65" monitor/ max weight 40lbs

-Monitor not included

-If shipping with backwall kit cases may vary

Included In Your PM4S3 Monitor Kiosk

Tools, Components, Connectors & Extrusions

5MM ALLEN-T x1

PM4S3-MM-FOOT-L x1

PM4S3-MM-FOOT-R x1

LN100 x6

M5 THUMBSCREW x8

PH2-350-L-L x3

PH5-100-L-L x2

PM4S4-150 x2

PM4S3-600-A165-A165 x2

PM4S3-1200-A165-A165 x2

PH2-300-TG x2

EXT-M-MB (or) EXT-LG-MB x1
Fastening Hardware Included

Exploded View

PM4S3-MK-M
PM4S3-MK-L

Please note:
This is the the kiosk frame build for either medium or large kit.

PM4S3-600-A165-A165

PH2-350-L-L

PH5-100-L-L

BOLT-1

1-4-20 WING NUT

1-4-20 WING NUT

BOLT-1

PM4S3-600-A165-A165

PH5-100-L-L

PM4S4-150

PM4S4-150

LN100

LN100

EXT-M-MB
EXT-L-MB

PH2-300-TG

PH2-300-TG

PM4S3-1200-A165-A165

PM4S3-1200-A165-A165

PH2-350-L-L

LN100

TUR00052

TUR00052

LN100

TUR00052

TUR00052

TUR00052

PH2-350-L-L

TUR00052

TUR00052

TUR00052

PM4S3-MM-FOOT-L

LN100

LN100

PM4S3-MM-FOOT-R
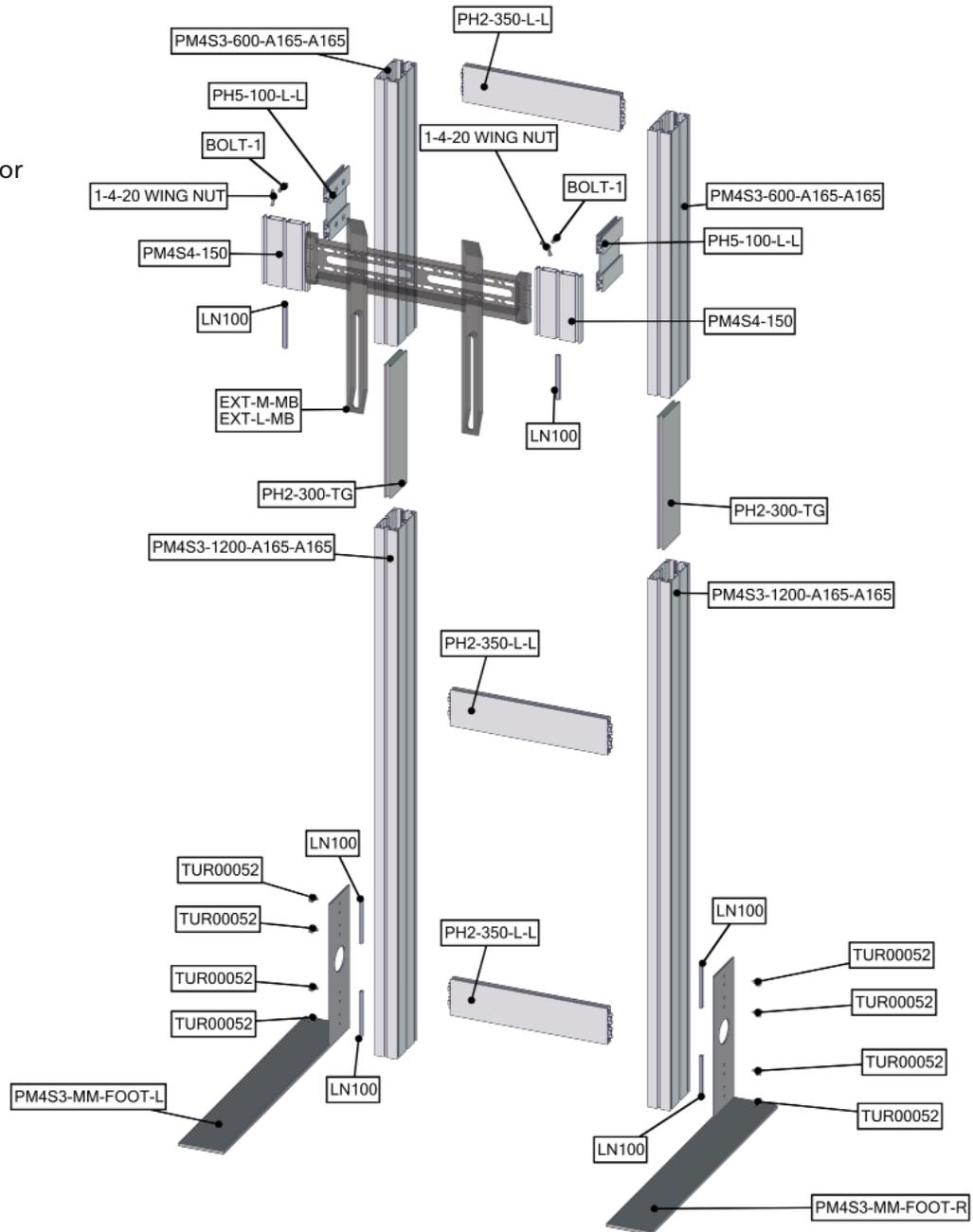
Kit Assembly

Step by Step

Step 1.

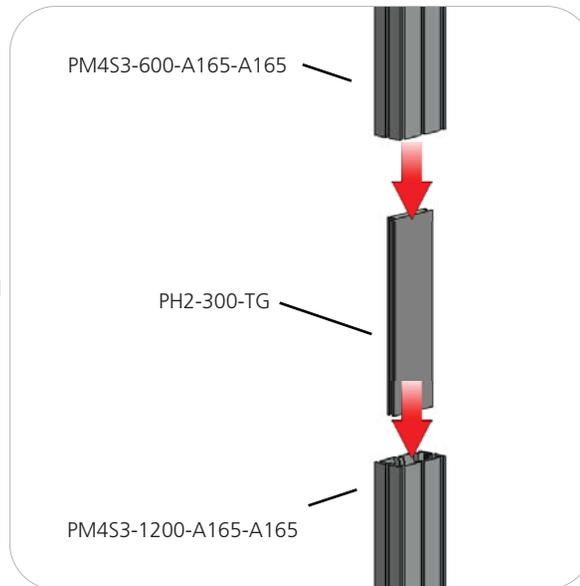Reference the image to the right. Locate the coded extrusions. Slide the PH2-300-TG connector into one end of the PM4S3-1200-A165-A165 so that it goes as deep as the internal pins. Connect the PM4S3-600-A165-A165 by sliding it over the PH2-300-TG. Repeat for this step for the second vertical.

PM4S3-600-A165-A165

PH2-300-TG

PM4S3-1200-A165-A165

Step 2.

Collect your extrusions and handtool. Using the provided handtool, lock the extrusions into the back channel of the three channel PM4S3 faces as shown in the image below.
Be sure the locks face toward the back of the assembly and do not over tighten.

PH2-350-L-L

PH2-350-L-L

PH2-350-L-L
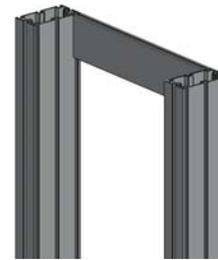
Step 3.

Locate the M5 thumbscrews, LN100s, and the PM4S3-MM stabilizing bases. Slide the LN100s into the middle channel of the PM4S3. Hand screw the M5 thumbscrews through the base holes and into the LN100 holes. Use the handtool to securely fasten the M5 Thumbscrews. Do not over tighten.

M5 Thumbscrew

LN100
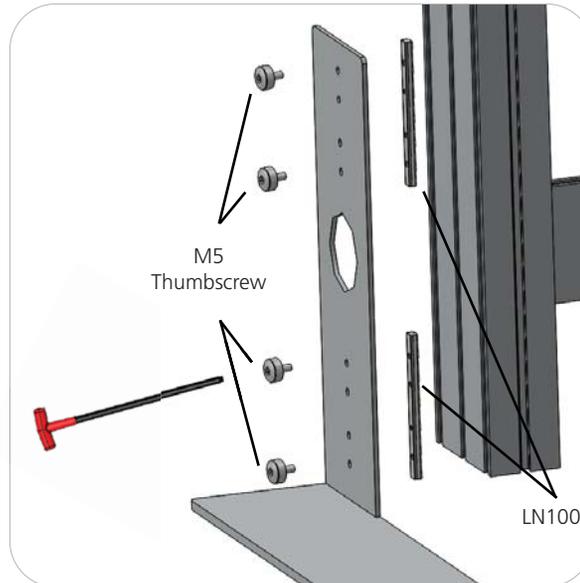
Step 4.

Measure from the ground to the center of the hole in your main kit's graphic. Lock the center of your PH5-100-L-L into the PM4S3 stacks at the dimension height of the graphic hole. Do not over tighten.
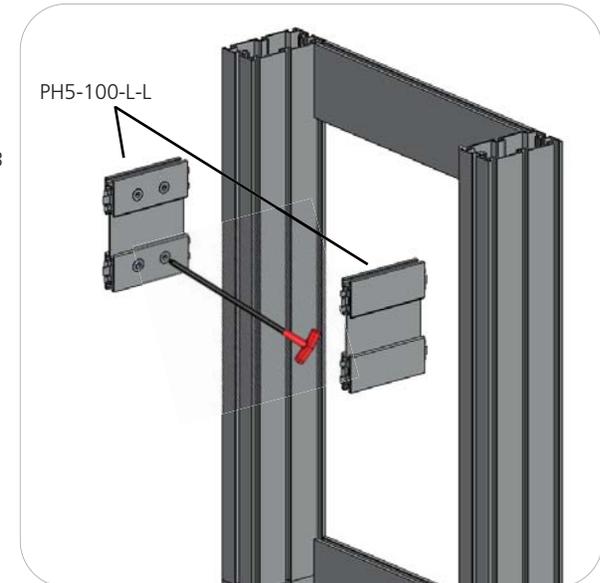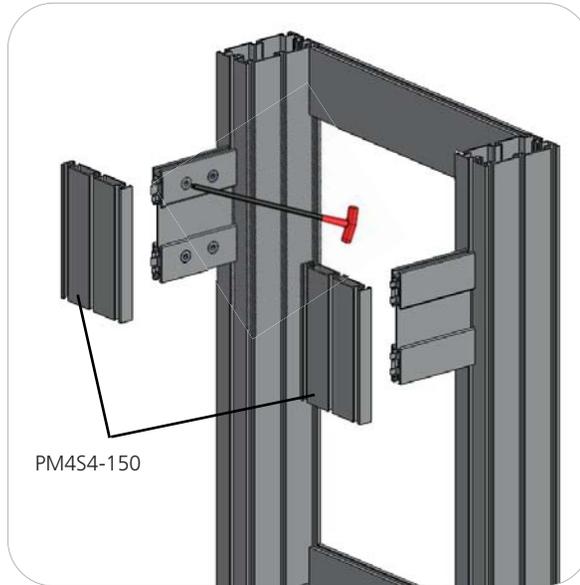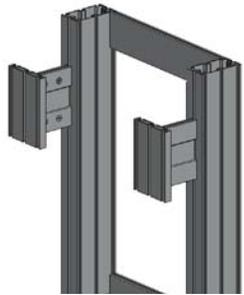
PH5-100-L-L

Kit Assembly

Step by Step

Step 5.

NOTE: Your main backwall assembly must be completed with graphics before completing this step of the monitor kit.

Lock your PM4S4-150 to the ends of the PH5-100-L-L. Do not over tighten.

PM4S4-150

Step 6.

Set your monitor stand so that the extrusion arms fit through the graphic hole. Use the provided fastening hardware to complete your monitor stand. Slide the LN100 into the bottom center channel of the PM4S4-150. Next, slide the Square Head Bolt into the top center channel of the PM4S4-150. Apply the monitor bracket and spacer washer before fastening with the wingnut. Monitor mount may vary depending on size. Monitor not included.

Square Head Bolt

Wing Nut

LN100
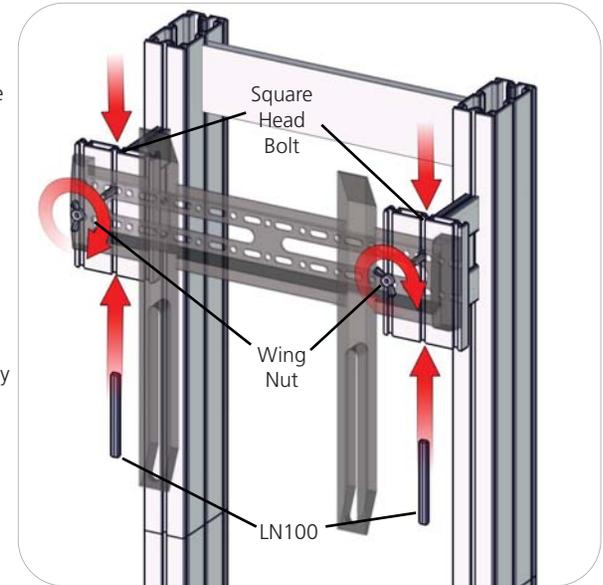
Step 7.

Setup is complete.

Monitor Bracket Instructions

Extrusion Channel Applications

EXT-SM-MB
Sizes: 17" - 37"
Max weight varies per application

Assembled unit:
9"w x 16"h x 1.4"d
230mm (w) x 410mm (h) x 35mm (d)

Shipping dimensions:
14"l x 6"h x 4"d
356mm (l) x 152mm (h) x 102mm (d)

Approximate total shipping weight:
6 lbs / 2.7 kgs

VESA:
75 x 75 - 200 x 200mm

EXT-M-MB
Sizes: 32" - 55"
Max weight varies per application

Assembled unit:
16"w x 16"h x 1.4"d
410mm (w) x 410mm (h) x 35mm (d)

Shipping dimensions:
24"l x 4"h x 4"d
610mm (l) x 102mm (h) x 102mm (d)

Approximate total shipping weight:
7 lbs / 3.2 kgs

VESA:
100 x 100 - 400 x 400mm

EXT-LG-MB
Sizes: 40" - 65"
Max weight varies per application

Assembled unit:
24"w x 16"h x 1.4"d
610mm (w) x 410mm (h) x 35mm (d)

Shipping dimensions:
28"l x 6"h x 6"d
711mm (l) x 152mm (h) x 152mm (d)

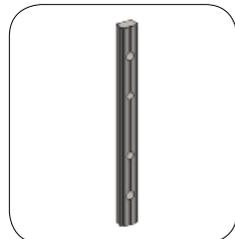**Approximate total shipping weight:**
8 lbs. / 3.6 kgs

VESA:
100 x 100 - 600 x 400mm

Included hardware:

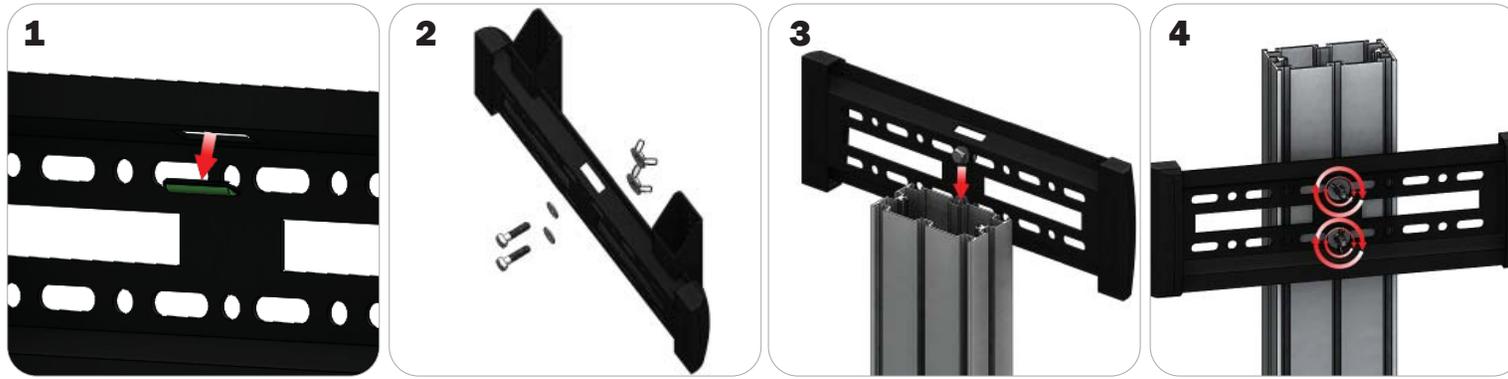| LN-100 x2	LN-LCD-SCW x2	BOLT-1 x2	Flange Wingnut x2
	M5 x 10	1/4"-20 x 1"	1/4"-20

EXTRUSION CONNECTION
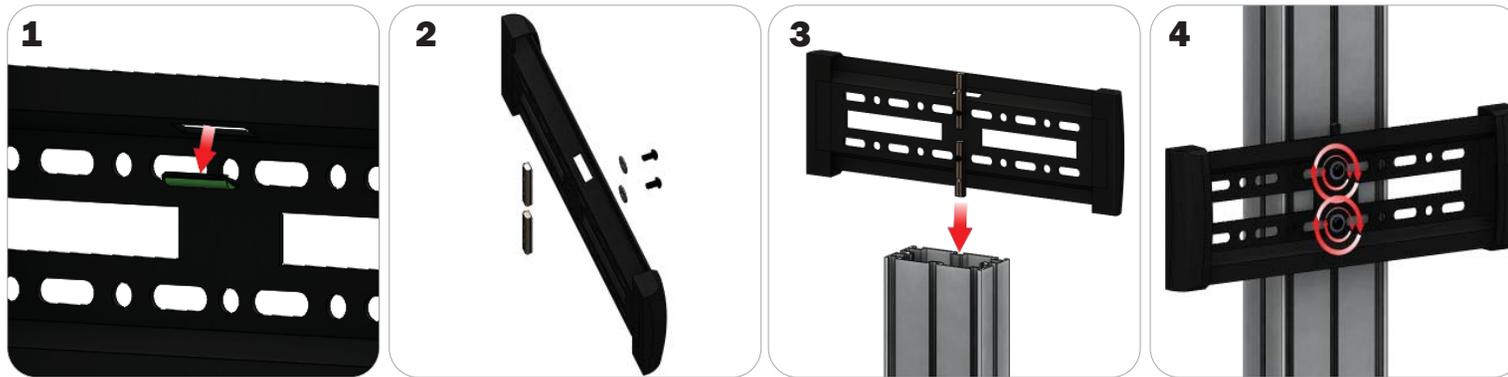
Channel Connection A

Locate all components needed to assemble the monitor mount with the channel connection A method. You will need (1) monitor bracket, (2) square head bolts, (2) washers, and (2) wingnuts. **Step 1:** Apply pressure to the rear side of the leveling gauge clipped into the monitor mount to remove it. **Step 2:** Insert the provided bolts through the washers and center top and bottom holes of the monitor mount. Loosly thread your wingnuts onto the end of the bolts. **Step 3:** Slide the bolt heads down the extrusion channel. **Step 4:** Tighten your wingnuts to lock the monitor bracket in place. **Step 5:** Reference the included manufacturer monitor mount instructions for fastening your monitor to the bracket.

Channel Connection B

Locate all components needed to assemble the monitor mount with the channel connection B method. You will need (1) monitor bracket, (2) LN-LCD-SCW, (2) LN-100, and (2) washers. **Step 1:** Apply pressure to the rear side of the leveling gauge clipped into the monitor mount to remove it. **Step 2:** Loosly thread the LN-LCD-SCW screws through the washers, the center top and bottom holes of the monitor bracket, and through the LN-50 holes. **Step 3:** Slide the LN-100s down the extrusion channel. **Step 4:** Tighten your LN-LCD-SCW to lock the monitor bracket in place. **Step 5:** Reference the included manufacturer monitor mount instructions for fastening your monitor to the bracket.

TRI-30MM Channel Tube Connection

Locate all components needed to assemble the monitor mount with the TRI-30MM Channel Tube Connection method. You will need (1) monitor bracket, (2) Square Bolts, and (2) Wingnuts. **Step 1:** Slip the head of the square bolts into the extrusion channel of the tube. **Step 2:** Apply your monitor bracket to the protruding square bolts. **Step 3:** Lock your monitor bracket to the square bolts using the provided wingnuts. **Step 4:** Reference the included manufacturer monitor mount instructions for fastening your monitor to the bracket.