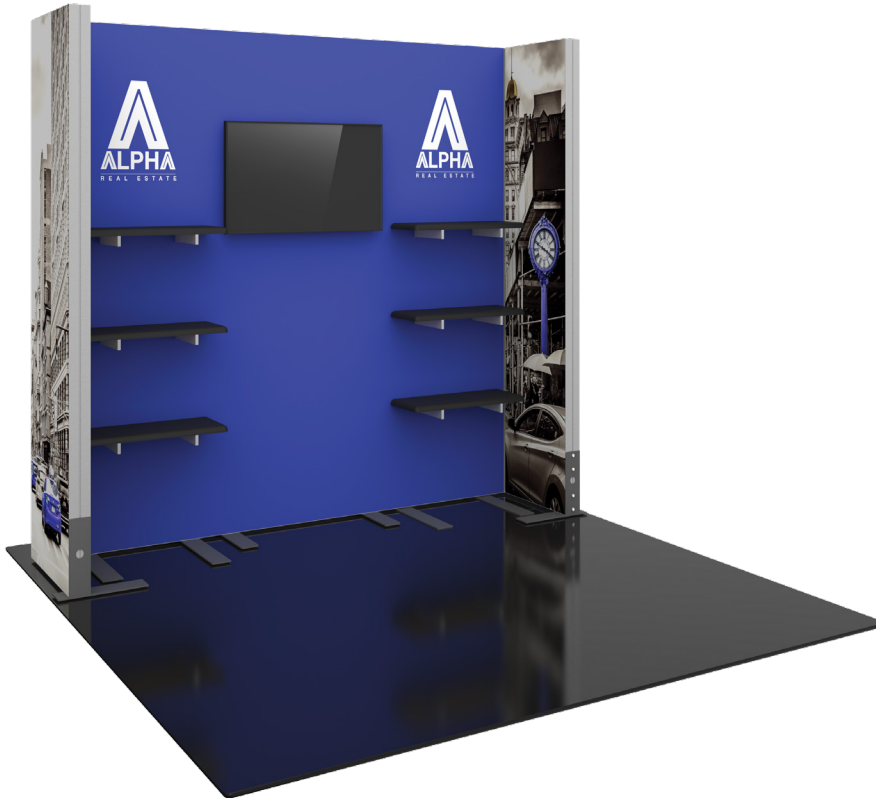
Hybrid Pro 10ft Modular Backwall Kit 21

HP-K-21
Hybrid Pro™ Modular Kit 21 is a dynamic modular exhibit that features an 8’ tall backwall, two sidewalls , six shelves for small product display and a central monitor mount that holds a medium sized monitor. Push-fi t SEG fabric graphicsthat are easy to apply to the backwall and the interior and exterior facing side walls.



features and benefits:

- Silver aluminum extrusion frames
- SEG push-fit fabric graphics
- Shelf color options: Silver, Black, Mahogany, Natural
- Medium monitor bracket holds 32-55” LCD*, max weight: 50 lbs
- Ships freight in a roto-molded protective shipping case
- Lifetime hardware warranty against manufacturer defects

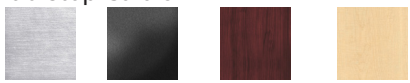
dimensions:

Hardware	Graphic
Assembled unit: 118.6”w x 95.45”h x 27.68”d 2911mm(w) x 2425mm(h) x 704mm(d) Approximate weight: 259 lbs / 118 kg	Refer to related graphic template for more information. Visit: https://www.theexhibitorshandbook.com/download-graphic-templates

Shipping	additional information:
Packing case(s): SCRATE Shipping dimensions: 57”l x 59”h x 33”d 1448mm(l) x 1498mm(h) x 839mm(d) Approximate total shipping weight: 378 lbs / 172 kg	Graphic material: Dye-sublimation SEG push-fit 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.

This product may include the following materials for recycle:
aluminum, select wood, fabric, cardboard, paper, steel, and plastics.

Tabletop Colors:



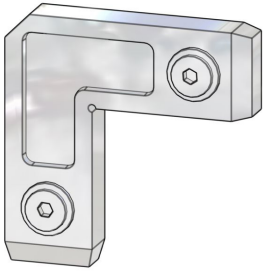
4 person assembly recommended:

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.

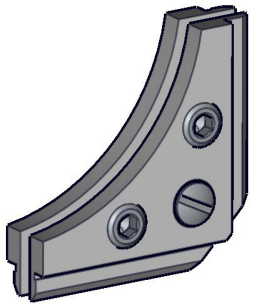
Included In Your Kit

Tools, Components, & Connectors

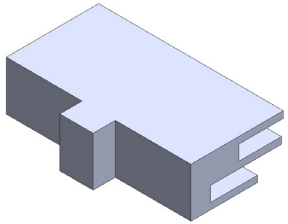
ALLEN KEY 5MM x1



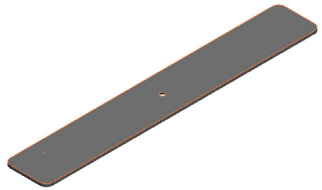
CB9 x4



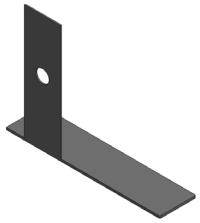
CBE-50 x20



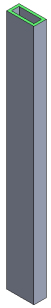
FC-50-SPCR x8



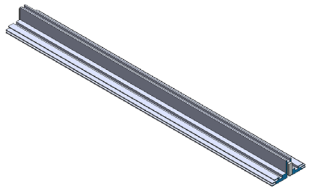
LN114-S2-650 x2



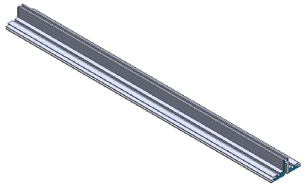
SW-FOOT-650-LN x2



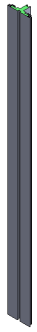
PH4-300-TG x2



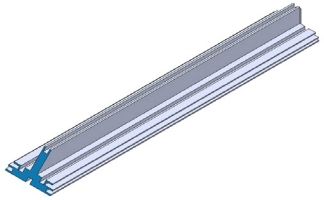
PHFC4-800-L-L x2



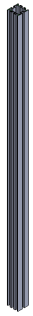
PHFC4-900-L-L x4



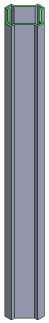
PHFC4-1200-L-MCB9x4



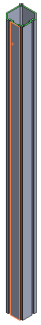
PHFC4-1200 x4



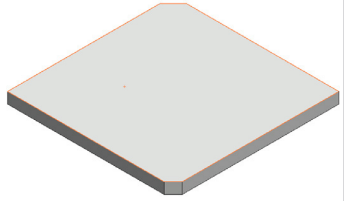
PM2S2-1200-A165-N x4



PM4DSC-600x2



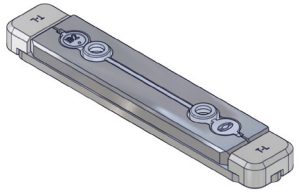
PMFC4-90-1193-A315 x4



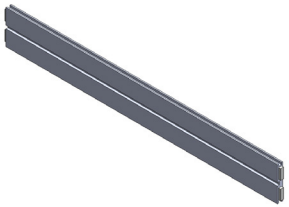
CODE x0 PMFC4-90-CAP x4

Included In Your Kit

Components & Connectors

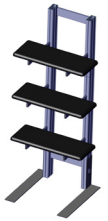


IB2 x2



CUS-PS2-800-L-L x1

EXT-M-MB x1



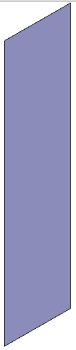
PM4S3-MK-SHELF-UNIT x2

Graphics

HP-K-21-G-A1

HP-K-21-G-B1

HP-K-21-G- C1



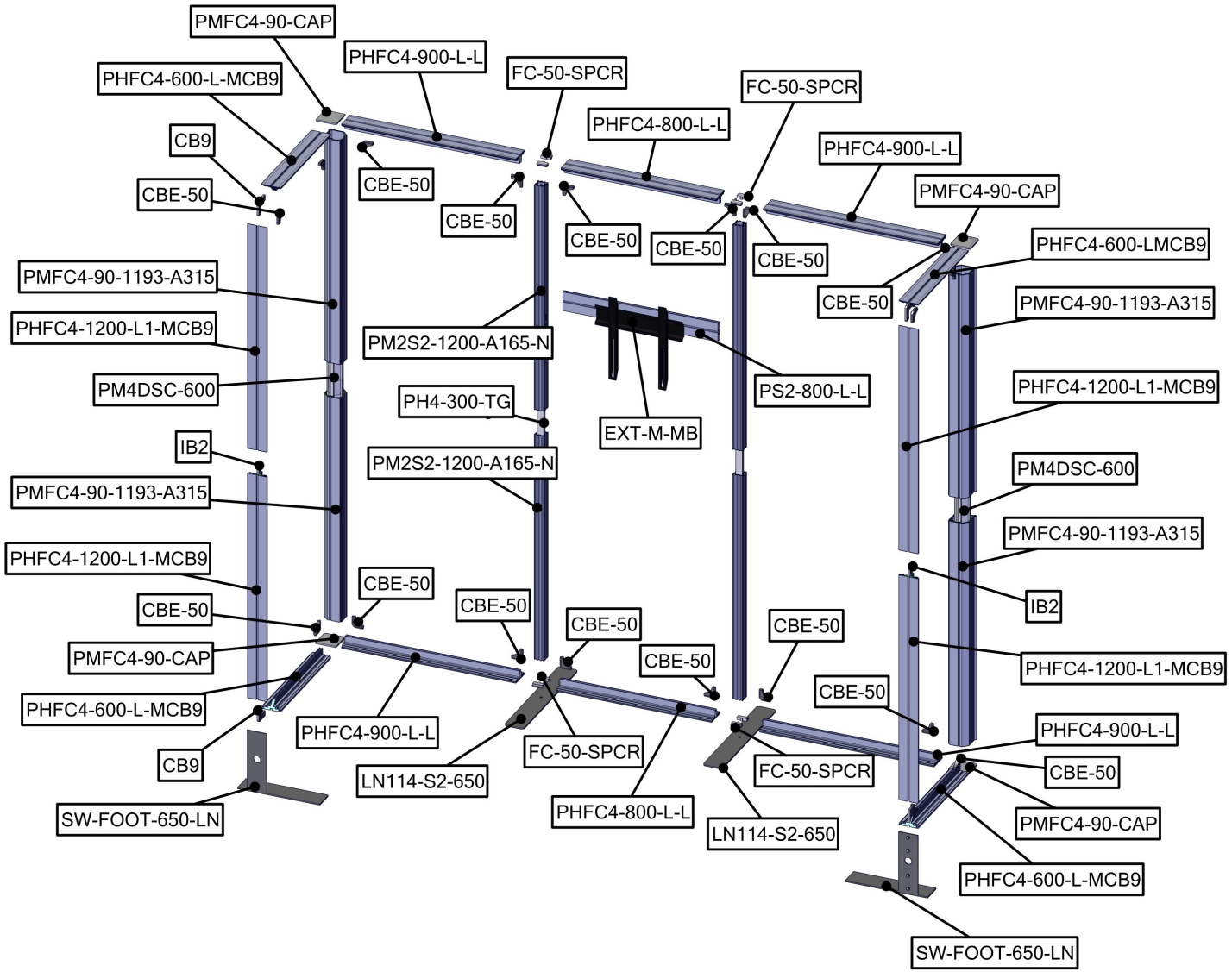
HP-K-21-G-E1

HP-K-21-G-D1

HP-K-21-LN-C2

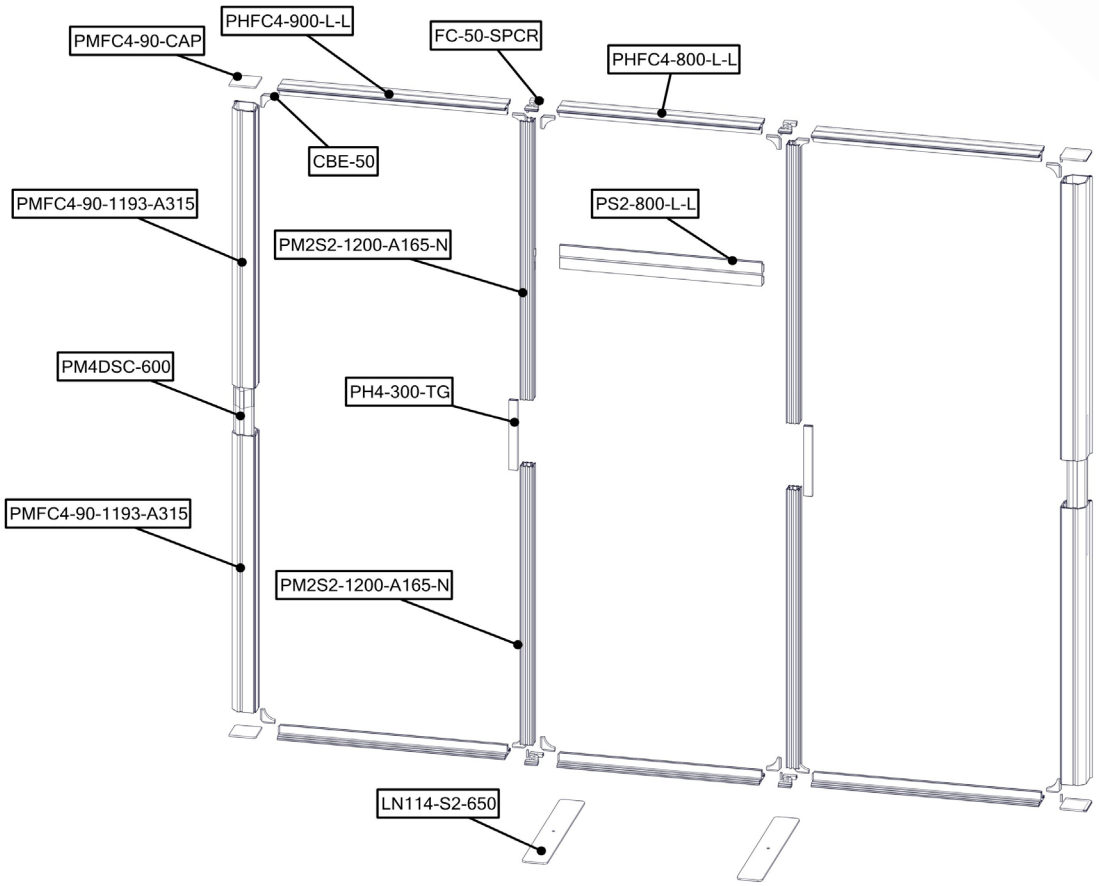
Labeling Diagram

HP-K-21



Exploded Diagram

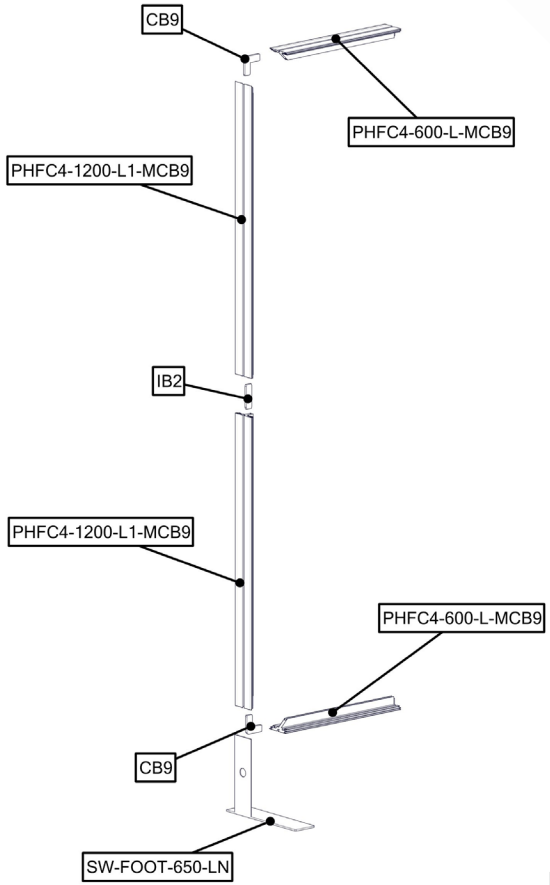
HP-K-21
Section 1.1
Reference the Suggested Layout page for build location.



CENTER FRAME

Exploded Diagram

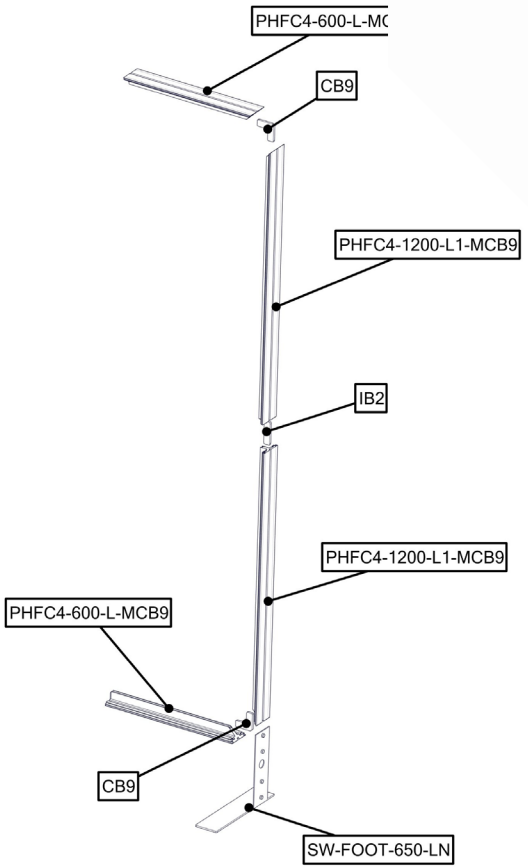
HP-K-21
Section 1.2
Reference the Suggested Layout page for build location.

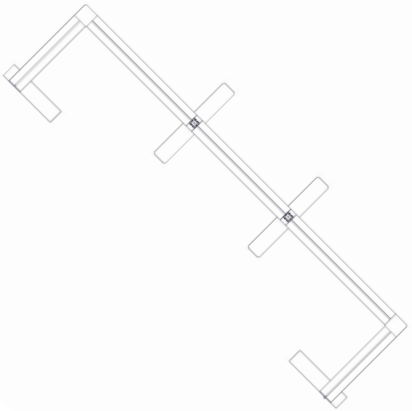


LEFT SIDE WING

Exploded Diagram

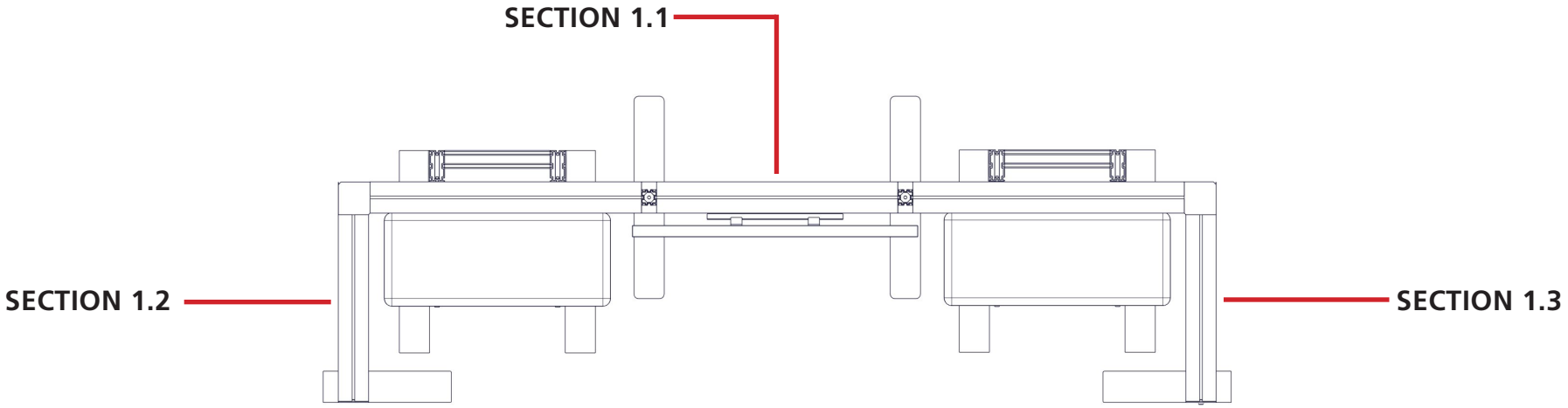
HP-K-21
Section 1.3
Reference the Suggested Layout page for build location.





RIGHT SIDE WING

Suggested Kit Layout



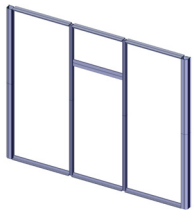
Kit Assembly

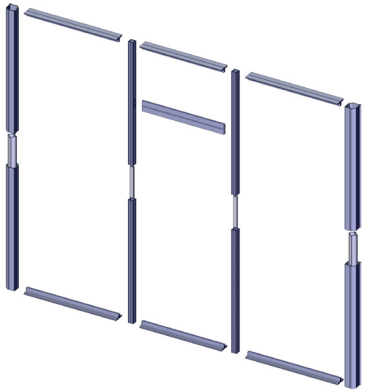
Step by Step

Step 1.

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

Reference Connection Method(s) 1, 2, 3 and 4 for more details.

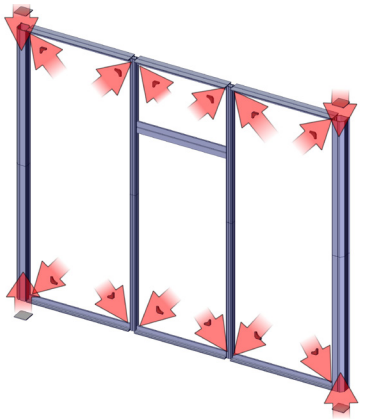




Step 2.

Attach CBE-50 & PMFC4-CAP to center frame. Use the Exploded View and the Labeling Diagram for part labels.

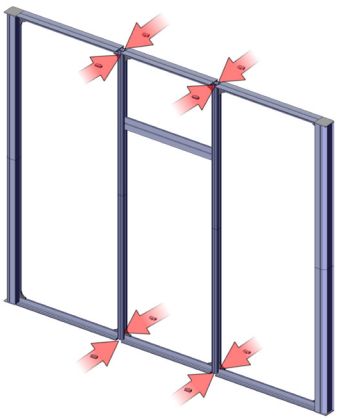
Reference Connection Method(s) 6 & 8 for more details.



Step 3.

Attach FC-50-SPCR to center frame. Use the Exploded View and the Labeling Diagram for part labels.

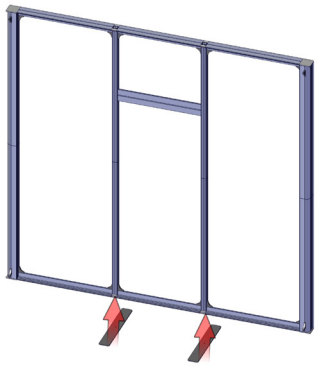
Reference Connection Method(s) 13 for more details.



Step 4.

Gather the components to attach feet to center frame. Use the Exploded View and the Labeling Diagram for part labels.

Reference Connection Method(s) 7 for more details.



Kit Assembly

Step by Step

Step 5.

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

Reference Connection Method(s) 5, 9, 10 and 11 for more details.

Step 6.

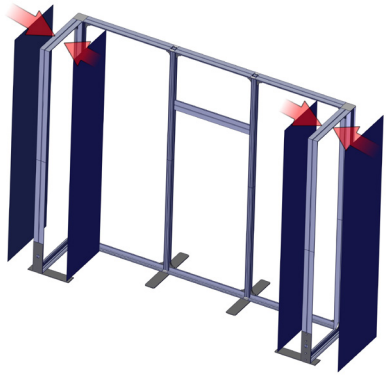
Gather the components to build the right wing frame. Use the Exploded View and the Labeling Diagram for part labels.

Reference Connection Method(s) 5, 9, 10 and 11 for more details.

Step 7.

Attach wing graphics. Use the Exploded View and the Labeling Diagram for part labels.

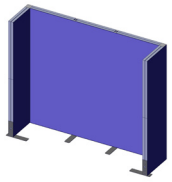
Reference Connection Method(s) 12 for more details.

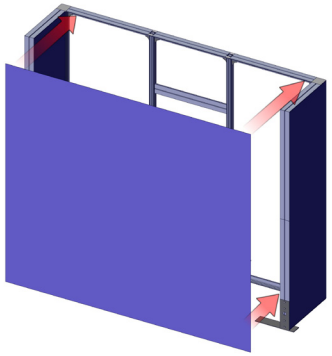


Step 8.

Attach center frame graphics. Use the Exploded View and the Labeling Diagram for part labels.

Reference Connection Method(s) 12 for more details.





Kit Assembly

Step by Step

Step 9.

Gather the components to build the 3 shelf kiosk. Use Detailed PDF attach, the Exploded View and the Labeling Diagram for part labels.

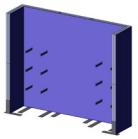
Reference Connection Method(s) PDF attached with detailed assembly directions.

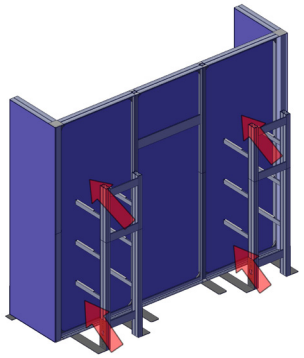
Shelves will need to be removed to place kiosk in needed position. See illustration to the right.

Step 10.

Use the Exploded View and the Labeling Diagram for part labels. To position kiosk in proper position.

Reference Connection Method(s) Move to needed position.

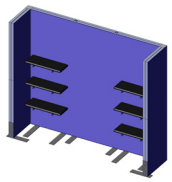


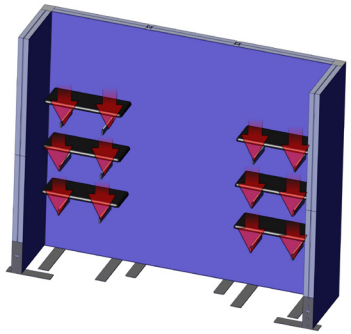


Step 11.

Attach shelves to proper location needed.

Reference Connection Method(s) PDF attached with detailed assembly directions.

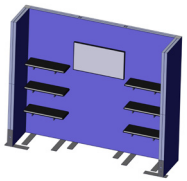




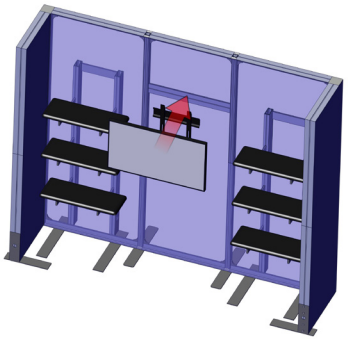
Step 12.

Attach monitor mount to called out PS2 extrusion. Use the Exploded View and the Labeling Diagram for part labels.

Reference Connection Method(s) 14 for more details.

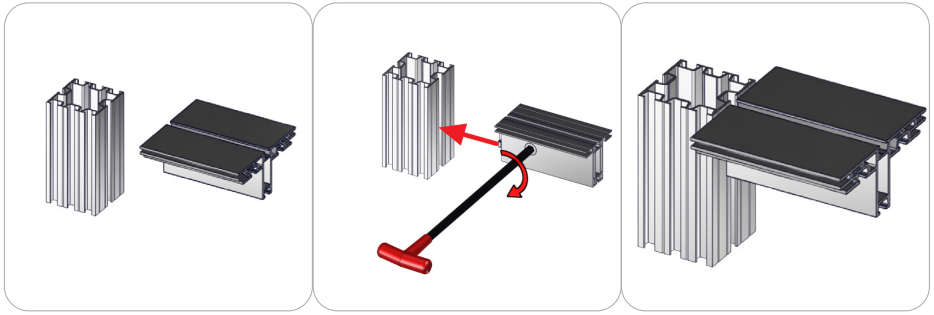


Setup Complete



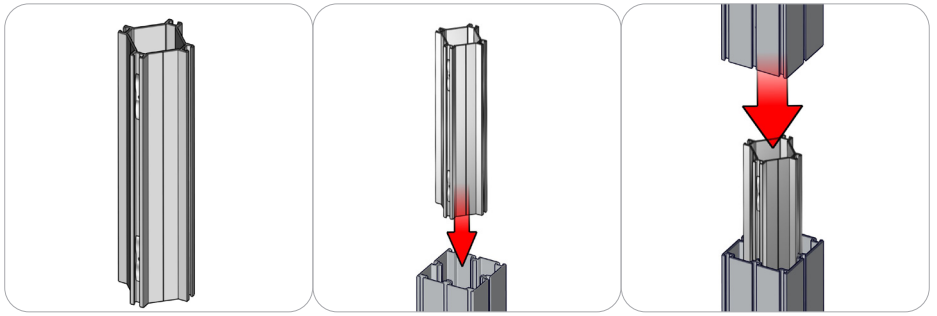
Connection Methods

Connection Method 1: PMFC4 to PMS2S



First, insert PHFC4 camlock into PMS2S side with one channel. a line the parts to your desired locate. Use tool pictured to lock ,cam lock in place. Be sure not to over tighten, this could cause damage to parts or extrusions.

Connection Method 2: PM4DSC

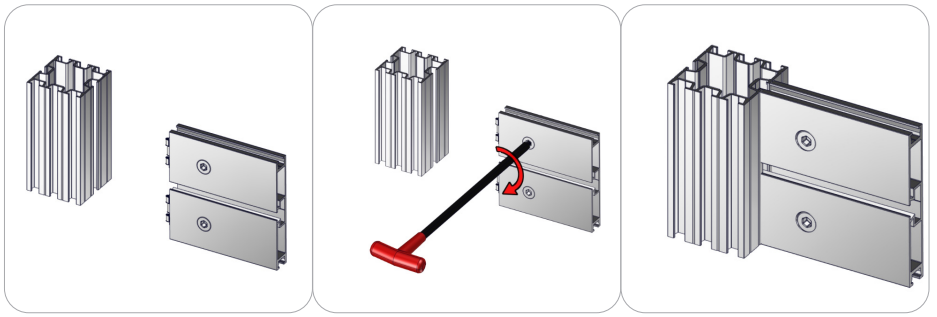


First, take the PM4DSC connector and align it with the internal channels of the next extrusion. Second, slide the connector into the inside channels of the extrusion. The tension glides on the connector will keep it center and snug. The extrusion will have stop pins pre installed to stop it from sinking in. Third, take the next extrusion and apply it on top of the connector completing your connection.

Connection Method 3: PH4SC

First, slide the PH4SC-1 connector into the post unilt rests on the PH2C stop. Second, then slide the top post onto the PH4SC-1 connector

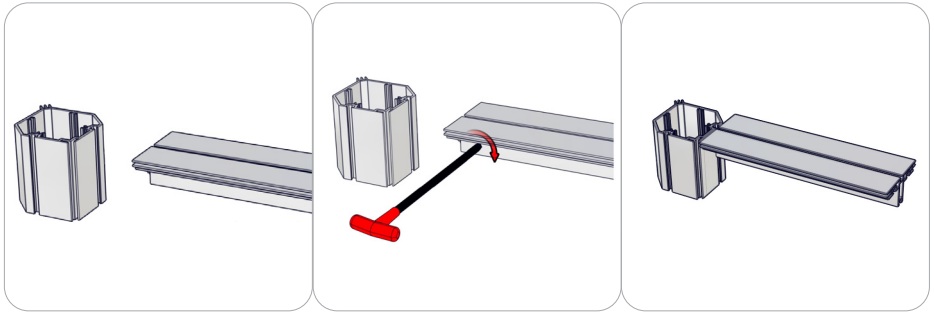
Connection Method 4: PS2 TO PMS2S



First, insert PS2 camlock into PMS2S side with one channel. a line the parts to your desired locate. Use tool pictured to lock, cam lock in place. Be sure not to over tighten, this could cause damage to parts or extrusions.

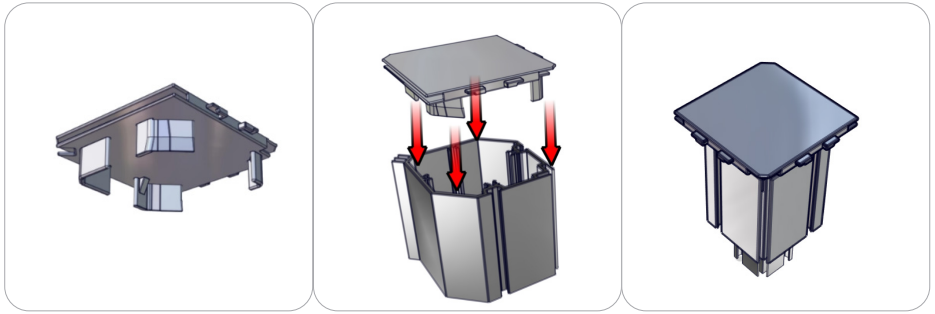
Connection Methods

Connection Method 5: PMFC4-90 to PHFC4



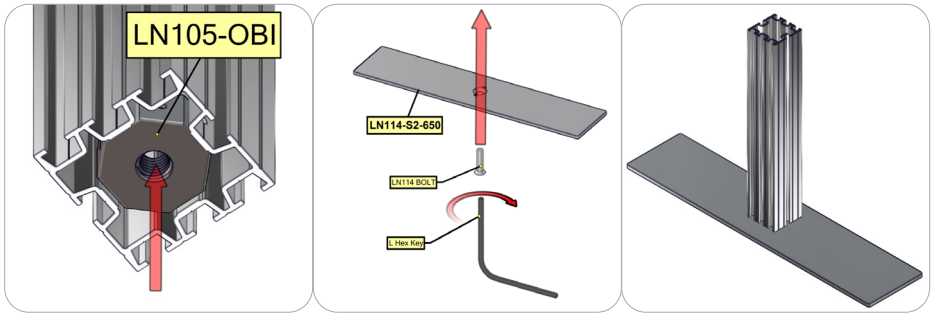
First, insert PMFC4 camlock into PMFC4-90. a line the parts to your desired locate. Use tool pictured to lock, cam lock in place. Be sure not to over tighten, this could cause damage to parts or extrusions.

Connection Method 6: PMFC4-90-CAP



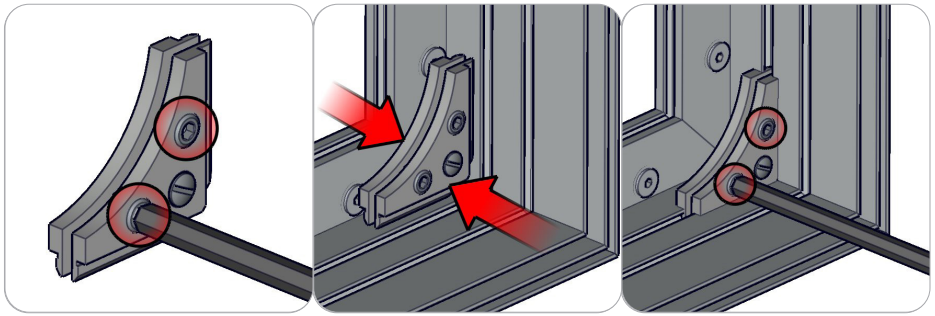
First match up the plastic clips, on the cap to the shape of the extrusion. Second, just slide cap into position.

Connection Method 7: LN114-S2-650



First, with the cam lock disengaged, place the cam lock teeth into the extrusion channel. Second, use the allen key tool to lock it in place. Make half turns clock-wise to engage the cam lock. Do not over tighten the lock buttons.

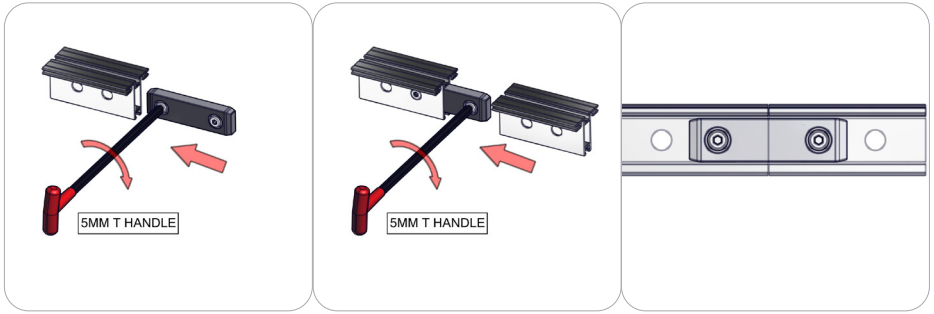
Connection Method 8: CBE-50



First, use the provides hex tool to loosen the two 5mm hex set screws. Next, compress the bracket and apply it to the corner channel. Then, tighten the set screws. Do not over tighten the set screws. Do not loosen the spring loaded screw.

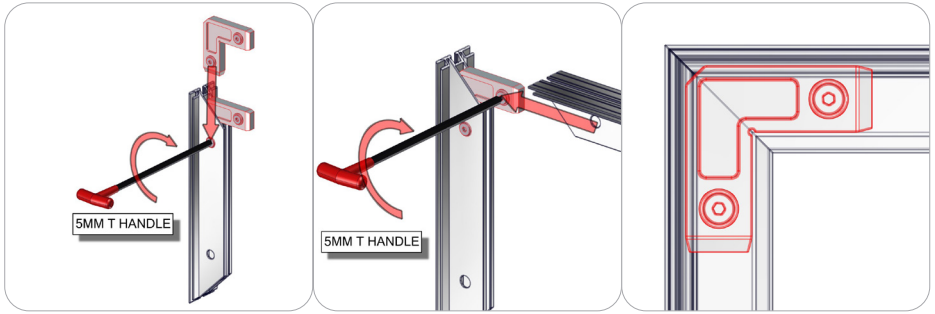
Connection Methods

Connection Method 9: IB2



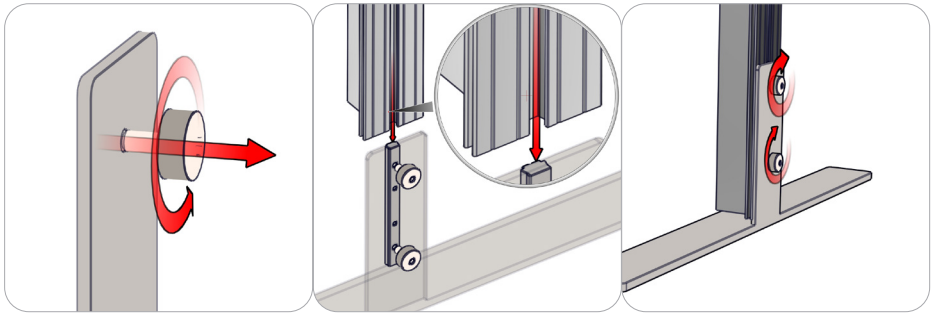
First, insert the in-line connector into the extrusion while holding in the lock button. Then, slide the next extrusion onto the same in-line connector again holding in the lock button. Finally, use the provided allen key to lock the in-line connector in place. Use the allen key tool to turn the lock buttons, make quarter turns and do not over tighten the lock buttons.

Connection Method 10: CB9



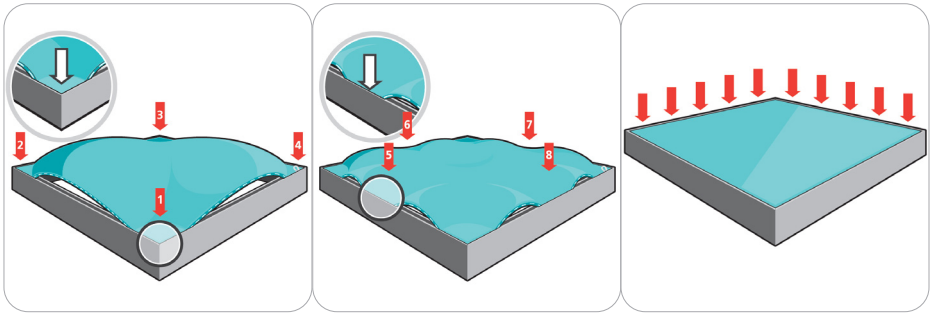
First, insert the corner connector into the extrusion while holding in the lock button. Then, slide the next extrusion onto the same corner connector again holding in the lock button. Finally, use the provided allen key to lock the corner connector in place. Use the allen key tool to press the lock buttons, make quarter turns and do not over tighten the lock buttons.

Connection Method 11: SW-FOOT-650



First, loosen the thumb screws and channel bars on the stabilizing bases. Do not disassemble them. Second, slide channel bars into the frame channel flush with the base of the frame. Finally, tighten the thumb screws and channel bars securing the attachment.

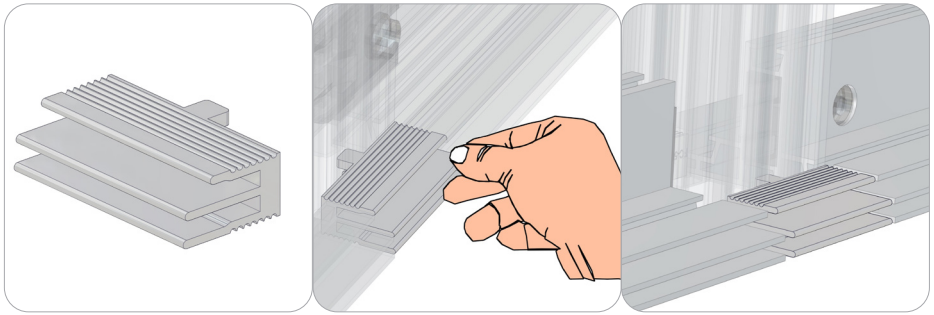
Connection Method 12: Graphic Application



First, insert the silicone edge frame corners into the frame graphic channel (points 1 through 4).
Second, insert the silicone edge frame sides into the frame graphic channel (points 5 through 8).
Third, push the remaining silicone edge fabric into the frame graphic channel.
Similar setup is recommended for the opaque liner.
To remove these panels, simply pull the loop tag sewn near a corner.

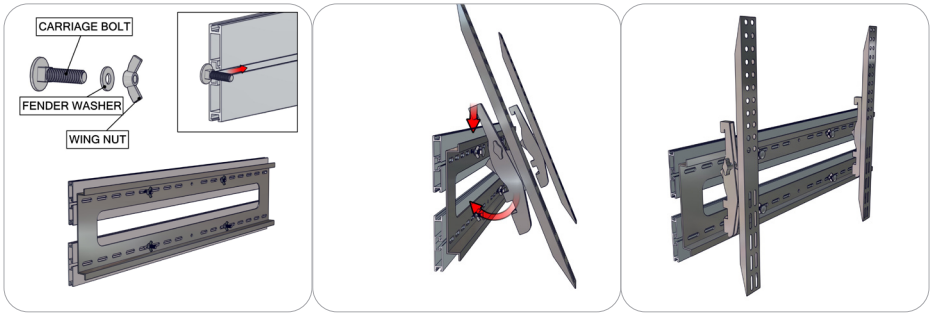
Connection Methods

Connection Method 13: FC-50-SPCR



First, insert the spacer in the center channel of the PM2S2. This will cover the space of the voidbetween both PHFC4 extrusions. Second, mover to the desired position needed.

Connection Method 14: EXT-M-MB



First, attach plate to PS2 using carriage bolts an wing nuts. Second, Follow the illustration above on how to connect TV arms. Last, once arms are attach and fix correctly, then remove them. Its recommend you attach arms to the back of the MONITOR before installing.

Freestanding Monitor Kiosk

PM4S3-MK-M PM4S3-MK-M-MSHELF PM4S3-MK-SHELF-UNIT
PM4S3-MK-L PM4S3-MK-L-MSHELF

The Freestanding Monitor Kiosk is a superior multimedia display that can be used for multiple applications, as well as in trade show exhibits and for events. Kiosks include monitor mounts to support a medium or large size TV, and a corresponding medium or large shelf may be added. Monitor mounts support TV's up to 40 lbs and 32" - 70" in size, and can be adjusted to the perfect height; an included shelf can hold up to 15 lbs. The Shelf Unit is a great addition that proudly displays small products. Install the Freestanding line behind a fabric backwall for a truly impressive display.

Freestanding Monitor Kiosk

PM4S3-MK-M
PM4S3-MK-L

Freestanding Monitor Kiosk with Shelf

PM4S3-MK-M-MSHELF
PM4S3-MK-L-MSHELF

Freestanding Shelf Unit

PM4S3-MK-SHELF-UNIT

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
- Kits may include: a medium or large monitor mount, shelf, or combination
- Choice of medium or large monitor mount options. (Freestanding Monitor Kiosk with Shelf or Freestanding Shelf)
- Lifetime limited hardware warranty against manufacturer defects

dimensions:

Hardware

Assembled unit (no shelf):
25.59"w x 70.98"h x 25.59"d
650mm(w) x 1803mm(h) x 650mm(d)

Assembled unit (with shelf):
29.53"w x 70.98"h x 25.59"d
751mm(w) x 1803mm(h) x 650mm(d)

Approximate weight:
(excludes cases & monitor mount)

40 lbs / 19 kg

Add 10 lbs / 5 kg for each shelf

Shipping

Packing case(s):
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:
Monitor Kiosk:
(Case & monitor mount)
Medium
83 lbs / 38 kg
Large
85 lbs / 39 kg

Monitor Kiosk with Shelf:
(Case, monitor mount, & shelf)
Medium
93 lbs / 43 kg
Large
95 lbs / 44 kg

Shelf Unit:
(Case & shelves)
116 lbs / 53 kg

additional information:

-Medium monitor mount can hold 37-70" monitor/ max weight 40 lbs

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

-Monitor not included

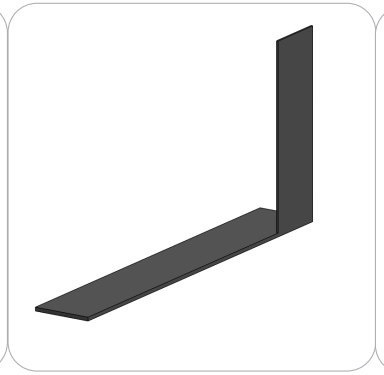
-Shelf can hold suggested max weight: 15 lbs

-If shipping with backwall kit cases may vary

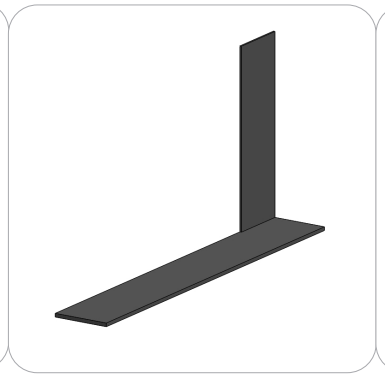
Included In Your Freestanding Monitor Kiosk

Tools, Components, Connectors & Extrusions

5MM ALLEN-T x1

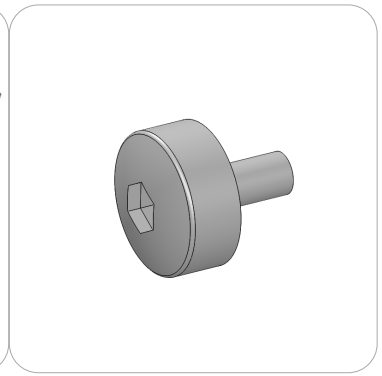


PM4S3-MM-FOOT-L x1

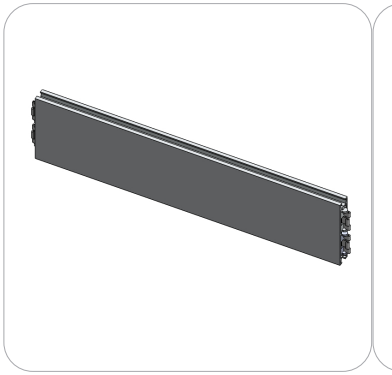


PM4S3-MM-FOOT-R x1

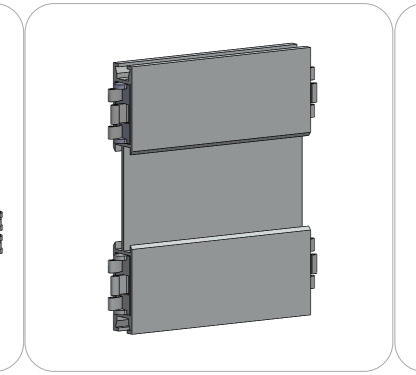
LN100 x6



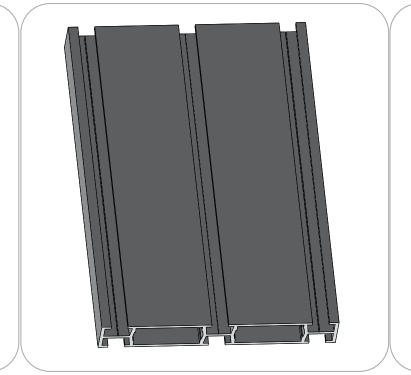
M5 THUMBSCREW x8



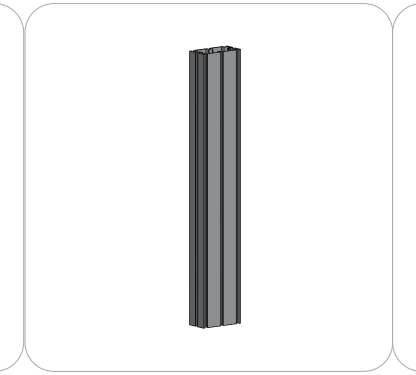
PH2-350-L-L x3



PH5-100-L-L x2



PM4S4-150 x2

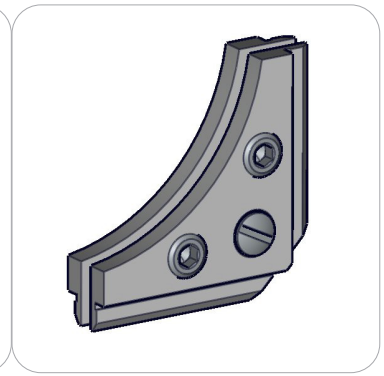


PM4S3-600-A165-A165 x2

PM4S3-1200-A165-A165 x2

PH2-300-TG x2

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

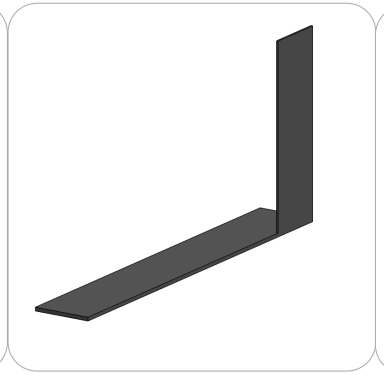


CBE-50 x2

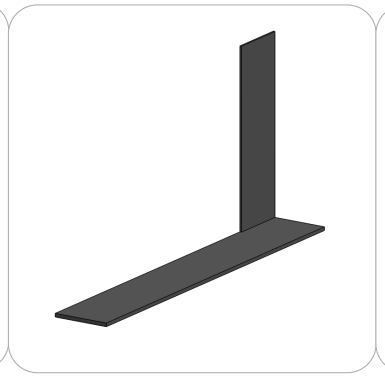
Included In Your Freestanding Monitor Kiosk with Shelf

Tools, Components, Connectors & Extrusions

5MM ALLEN-T x1

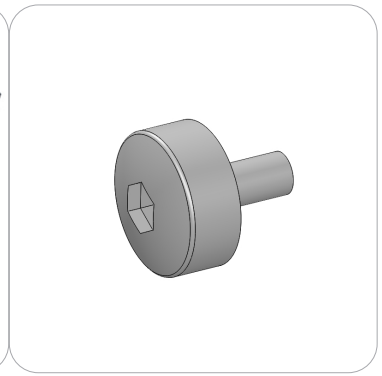


PM4S3-MM-FOOT-L x1

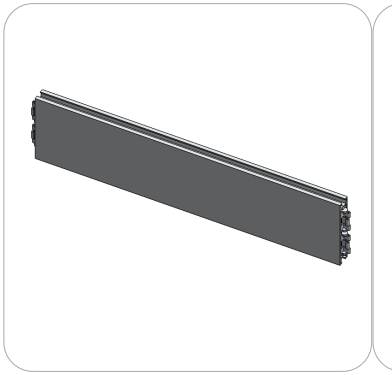


PM4S3-MM-FOOT-R x1

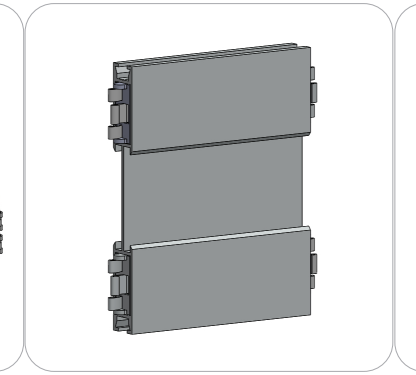
LN100 x6



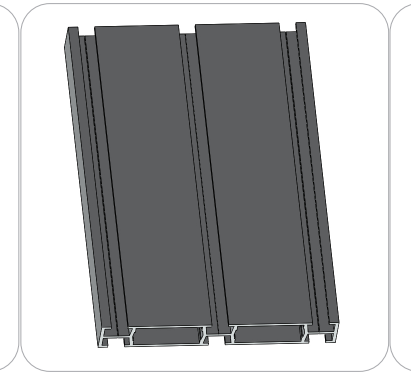
M5 THUMBSCREW x8



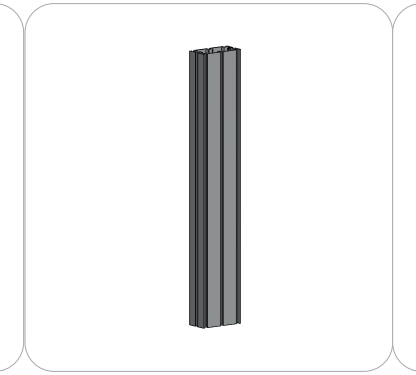
PH2-350-L-L x3



PH5-100-L-L x2



PM4S4-150 x2

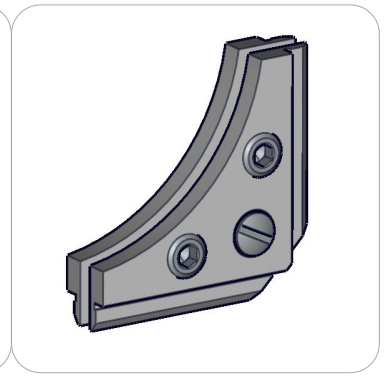


PM4S3-600-A165-A165 x2

PM4S3-1200-A165-A165 x2

PH2-300-TG x2

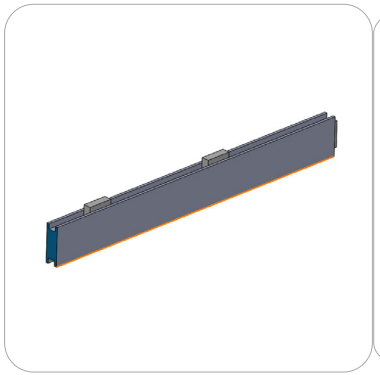
EXT-M-MB (or) EXT-LG-MB x1
Fastening Hardware Included



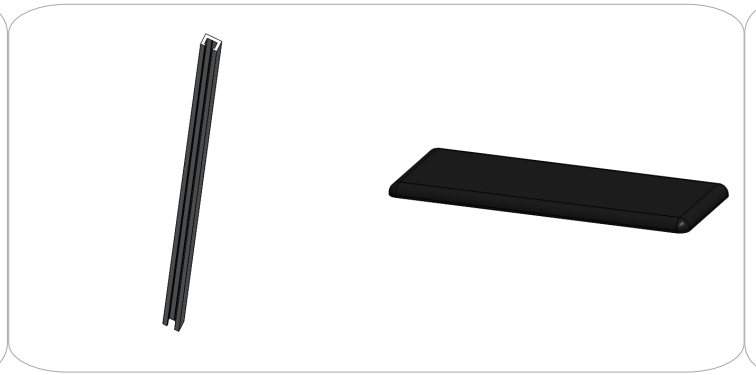
CBE-50 x4

Included In Your Freestanding Monitor Kiosk with Shelf

Components, Connectors & Extrusions



PH-400-L-SIDE-MK x2



PE-1200 x2
*will ship preattached to shelf

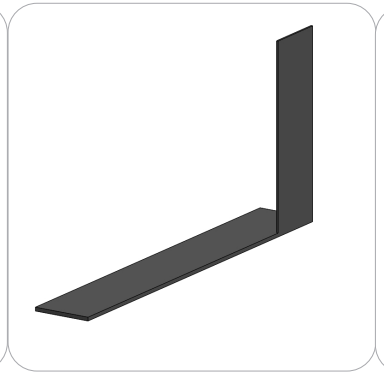
CT21-MK-SHELF x1

LN605-EN x2

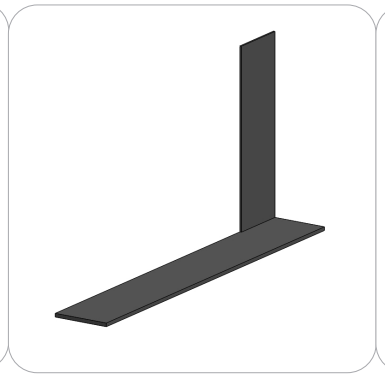
Included In Your Freestanding Shelf

Tools, Components, Connectors & Extrusions

5MM ALLEN-T x1

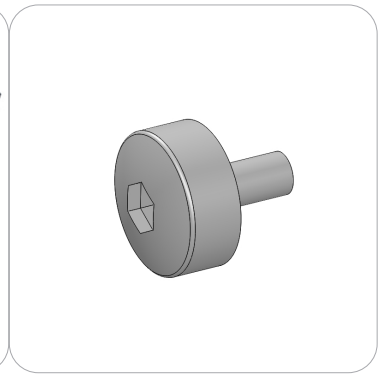


PM4S3-MM-FOOT-L x1

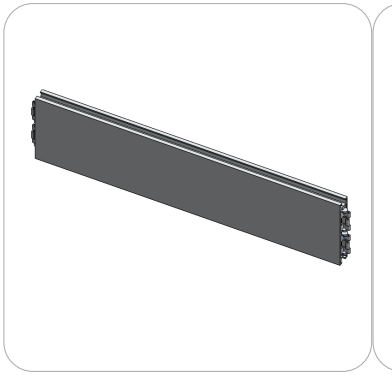


PM4S3-MM-FOOT-R x1

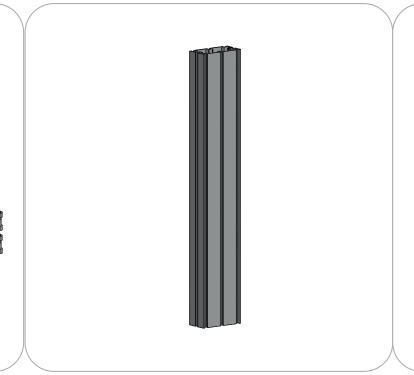
LN100 x6



M5 THUMBSCREW x8

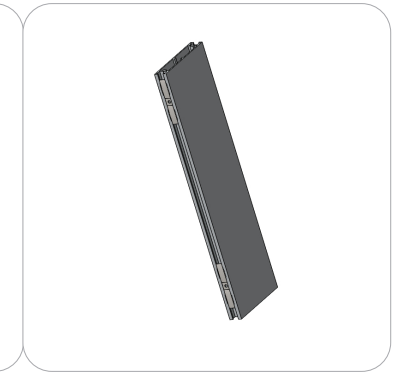


PH2-350-L-L x3

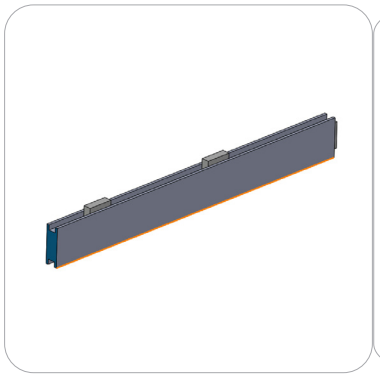


PM4S3-600-A165-A165 x2

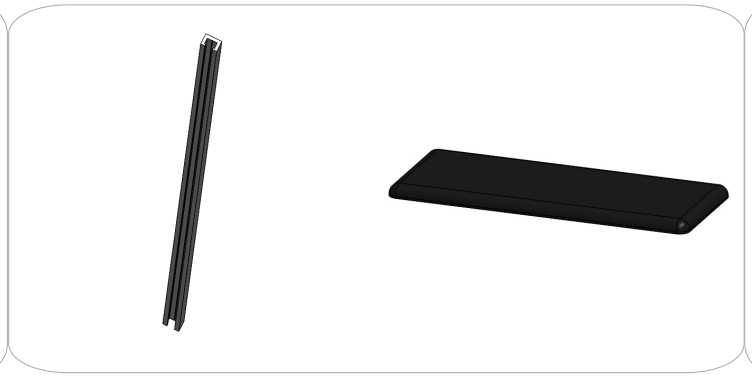
PM4S3-1200-A165-A165 x2



PH2-300-TG x2



PH-400-L-SIDE-MK x6



PE-1200 x6
*will ship preattached to shelf

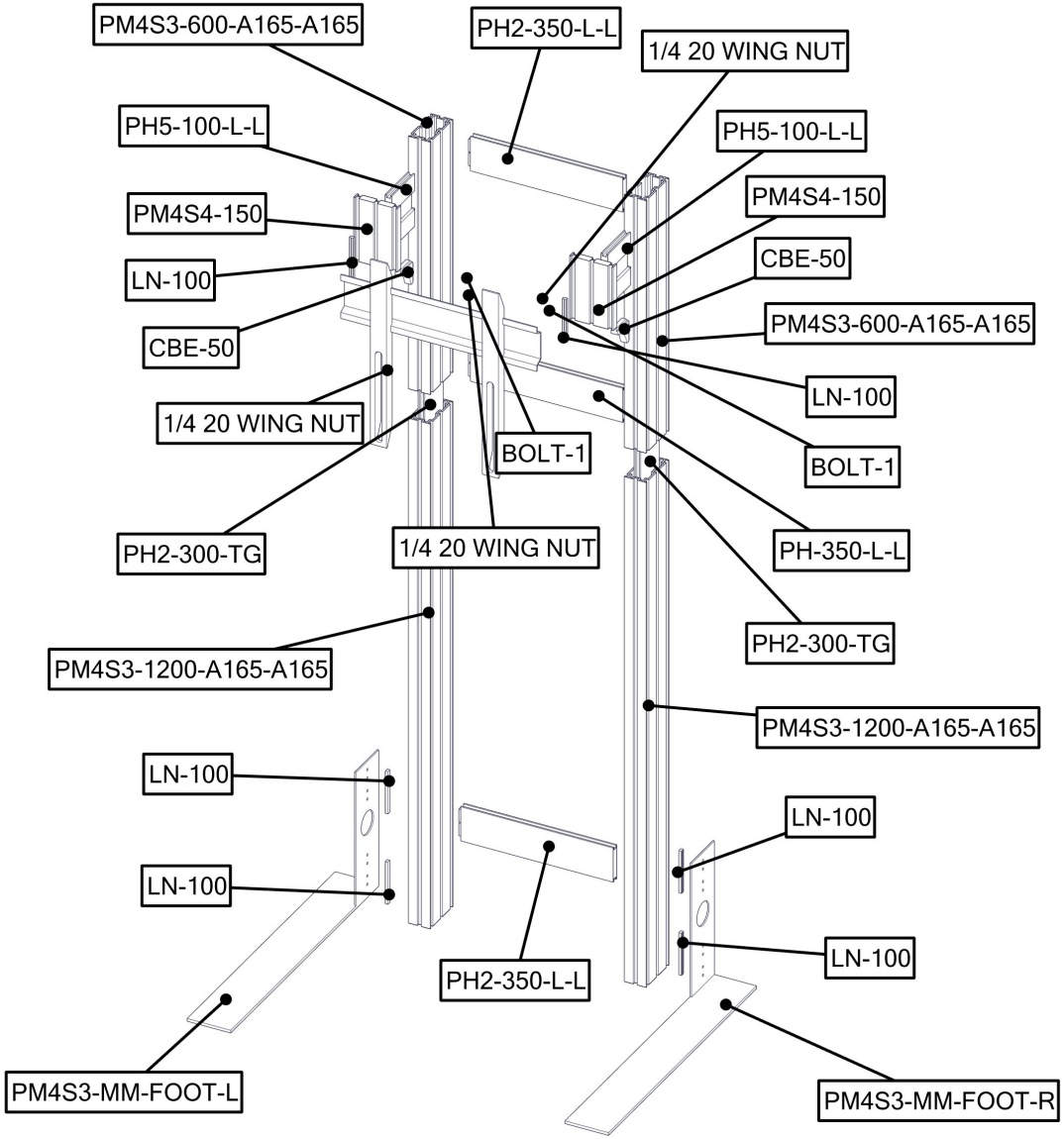
CT21-MK-SHELF x3

LN605-EN x6

Exploded View

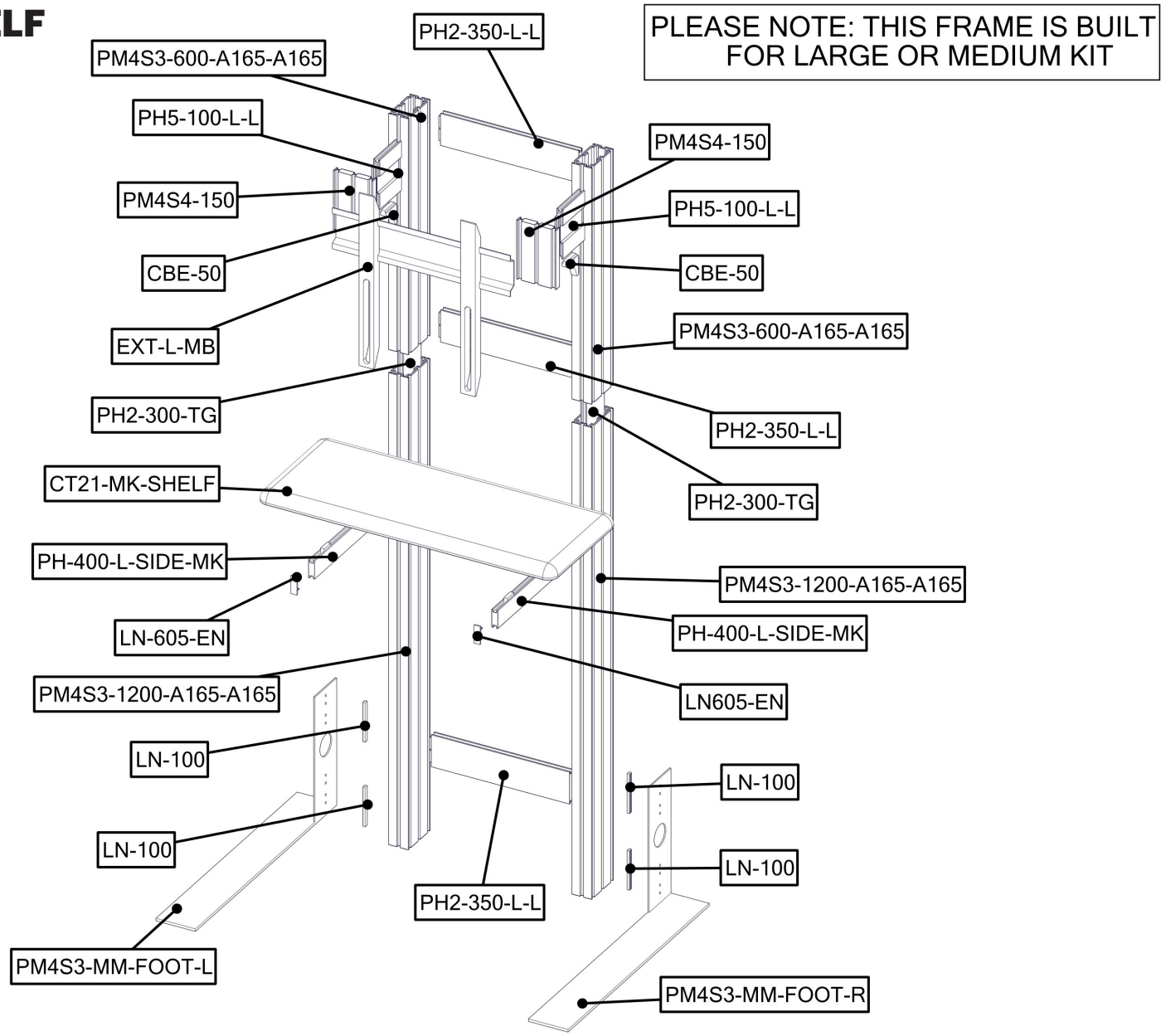
PM4S3-MK-M
PM4S3-MK-L

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



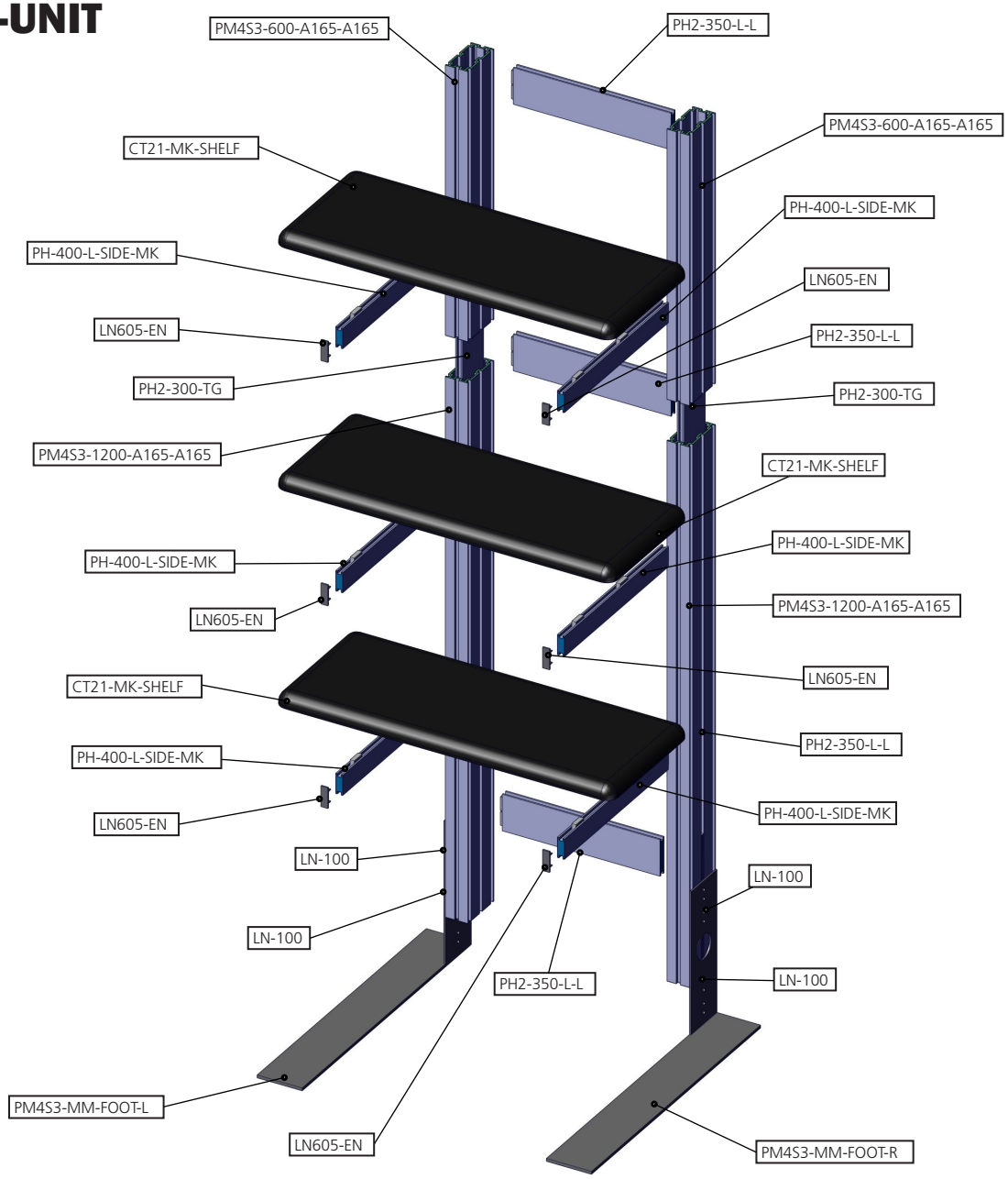
Exploded View

PM4S3-MK-M-MSHELF
PM4S3-MK-L-MSHELF



Exploded View

PM4S3-MK-SHELF-UNIT

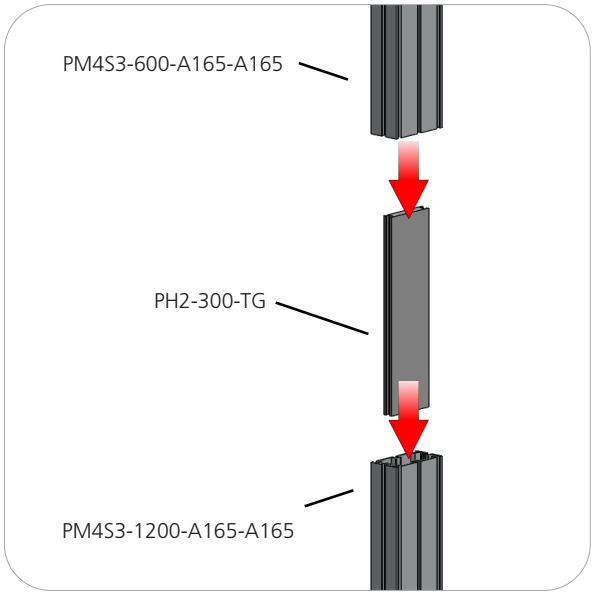


Kit Assembly

Step by Step

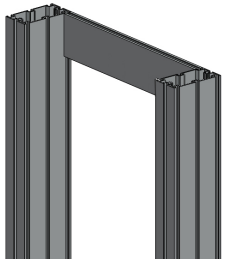
Step 1.

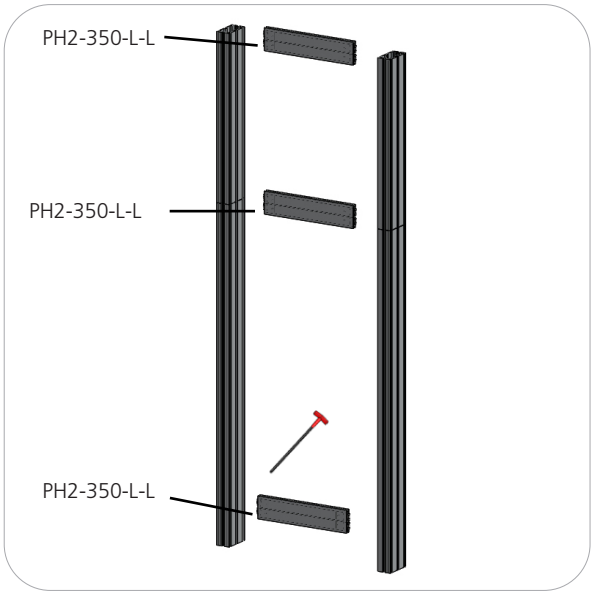
Reference the image to the right. Locate the coded extrusions. Slide the PH2-300-TG connector into one end of the PM4S3-1200-A165-A165 so that it goes as deep as the internal pins. Connect the PM4S3-600-A165-A165 by sliding it over the PH2-300-TG. Repeat for this step for the second vertical.



Step 2.

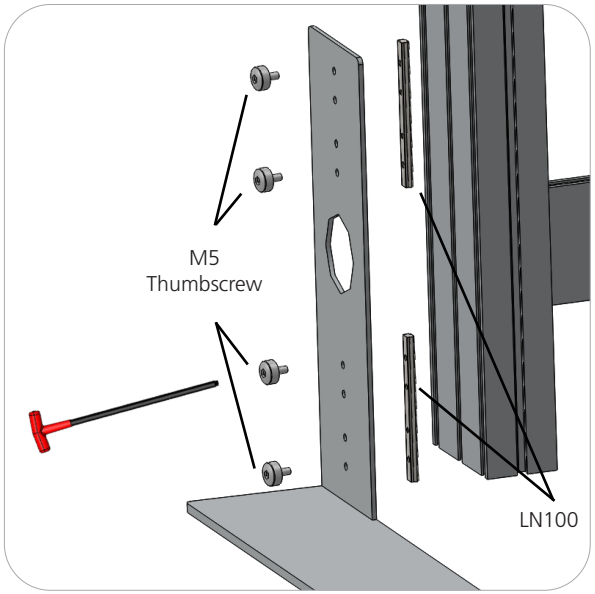
Collect your extrusions and handtool. Using the provided handtool, lock the extrusions into the back channel of the three channel PM4S3 faces as shown in the image below.
Be sure the locks face toward the back of the assembly and do not over tighten.





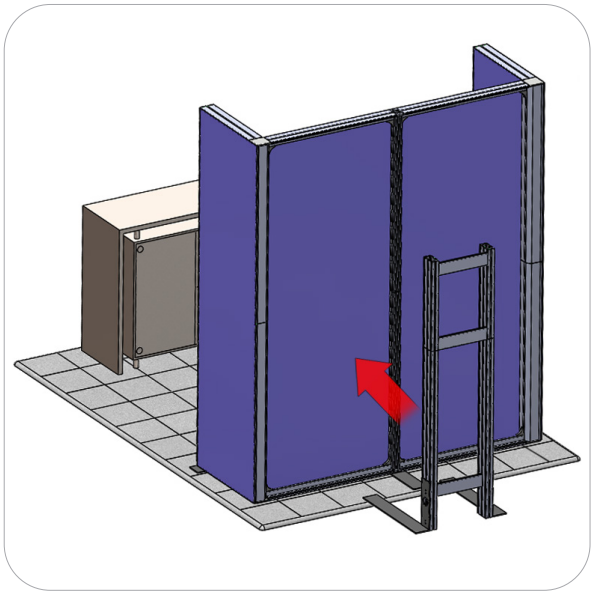
Step 3.

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.



STOP

Orbus recommends that you move your kiosk(s) in place before continuing on with the rest of assembly.



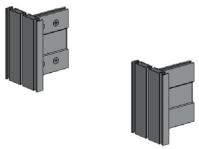
Kit Assembly

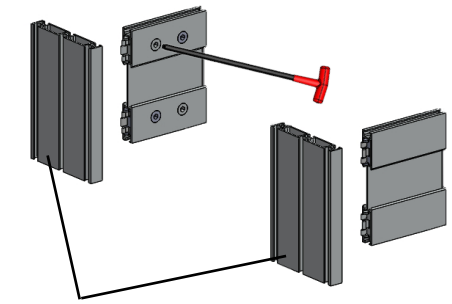
Step by Step - Monitor Mount

Step 4.

This step is for kiosks with monitor mounts. Skip to step 7 for shelf kiosks.

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, ADD CBE-50 for support under PH5. Do not over tighten.



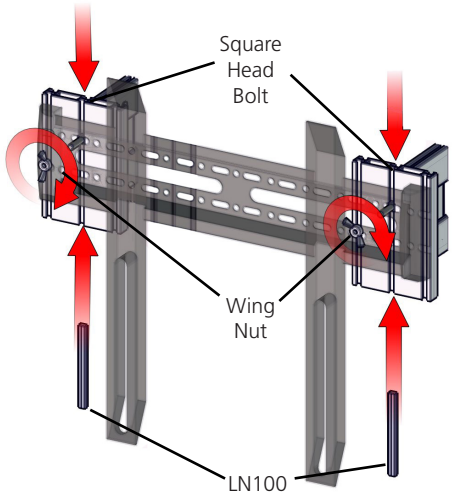


PM4S4-150

Step 5.

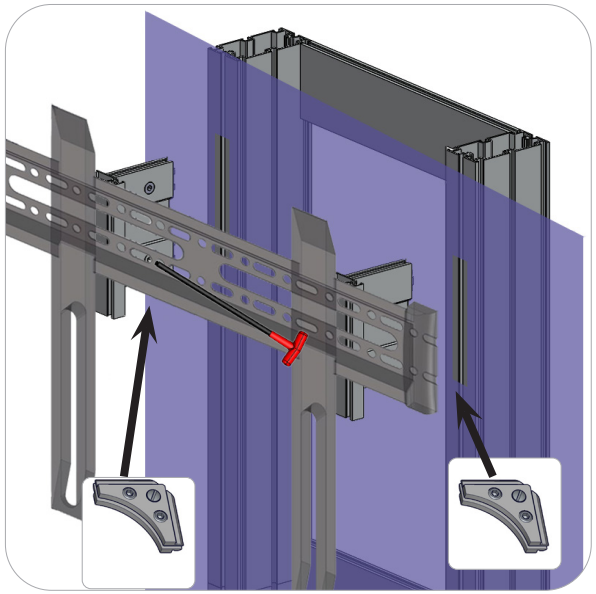
NOTE: Your main backwall assembly must be completed with graphics before completing this step of the monitor kit.

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



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.



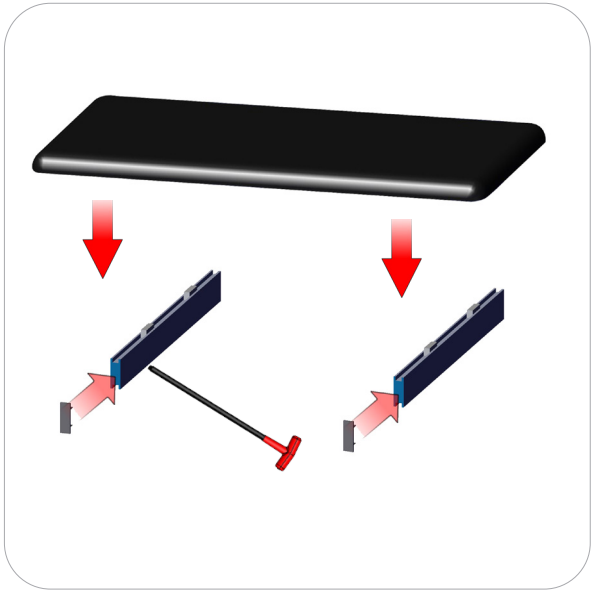
ATTACH CBE-50 UNDER PH5 FOR SUPPORT

Kit Assembly

Step by Step - Shelf

Step 7.

Insert the LN605-EN end caps. Lock the CT21-MK-SHELF to the PH-400-L-SIDE-MK. Do not over tighten.



Step 8.

Lock your PH-400-L-SIDE-MK into the PM4S3 stacks at the desired dimension height. Do not over tighten.

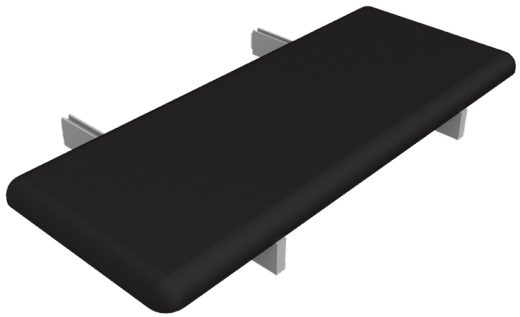
Refer to the attached supplemental sheet for details on shelf height(s).

Setup is complete.

Repeat steps 7 and 8 twice more for Shelf Unit.

Freestanding Display Shelf

PM4S3-MK-SHELF
Freestanding display shelves are easily attached to your assembled kiosk for displaying promotional materials. This shelf can be added to a Freestanding Monitor Kiosk order.



features and benefits:

- Premium aluminum extrusion frames with cam lock and tension glide assembly
- Easy to store and ship
- Quick to set up
- Lifetime limited hardware warranty against manufacturer defects
- Great for display opportunities

dimensions:

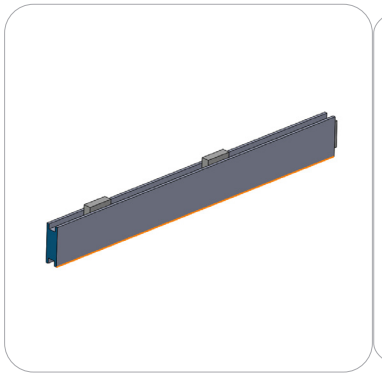
Hardware	Shipping
Assembled unit: Medium or Large 29.53”w x 6.35”h x 15.87”d 751mm(w) x 162mm(h) x 404mm(d) Approximate weight (shelf): 10 lbs / 5 kg	Ships in box Shipping dimensions: Special order - 30”(l) x 16”(h) x 4”(d) 762mm(l) x 407mm(h) x 102mm(d) Approximate total shipping weight: 12 lbs / 6 kg

additional information:

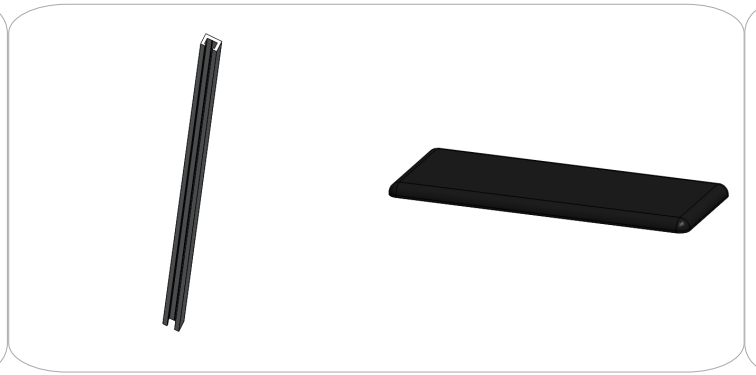
-Shelf can hold suggested max weight 15 lbs

-If shipping with backwall kit cases may vary

Included In Your Freestanding Display Shelf



PH-400-L-SIDE-MK x2

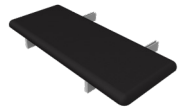


PE-1200 x2
*will ship preattached to shelf

CT21-MK-SHELF x1

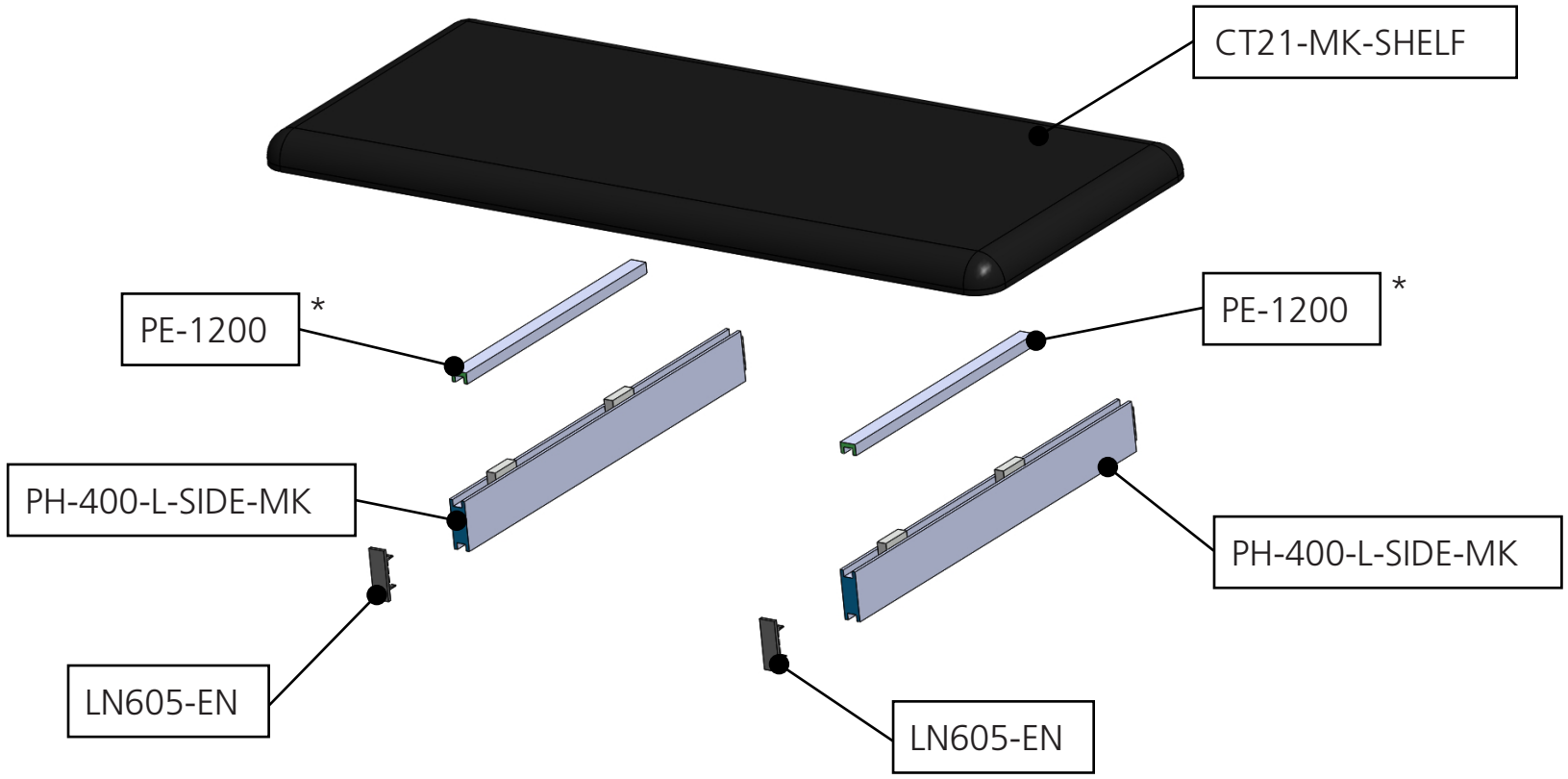
LN605-EN x2

Components, Connectors & Extrusions



Exploded View

PM4S3-MK-SHELF



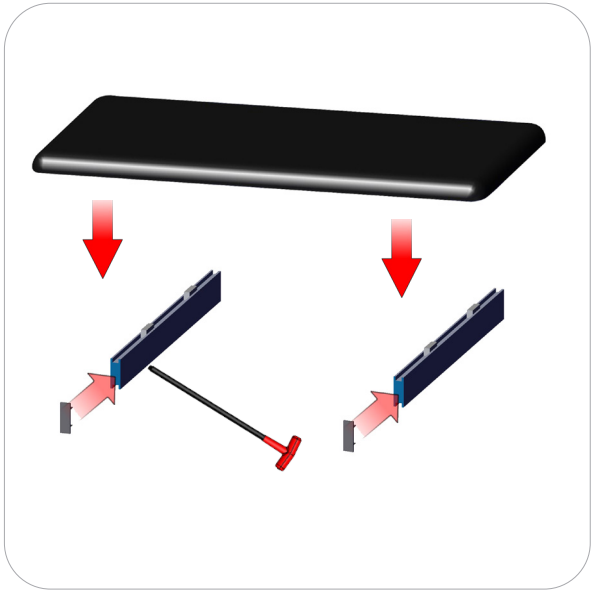
*Note: PE will ship preattached to shelf

Kit Assembly

Step by Step - Shelf

Step 8.

Insert the LN605-EN end caps. Lock the CT21-MK-SHELF to the PH-400-L-SIDE-MK. Do not over tighten.



Step 7.

Lock your PH-400-L-SIDE-MK into the PM4S3 stacks at the desired dimension height. Do not over tighten.

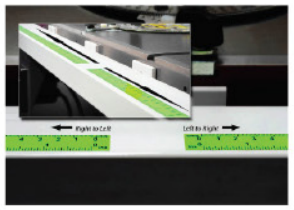
Refer to the attached supplemental sheet for details on shelf height(s).

Setup is complete.

Repeat steps 7 and 8 twice more for Shelf Unit.

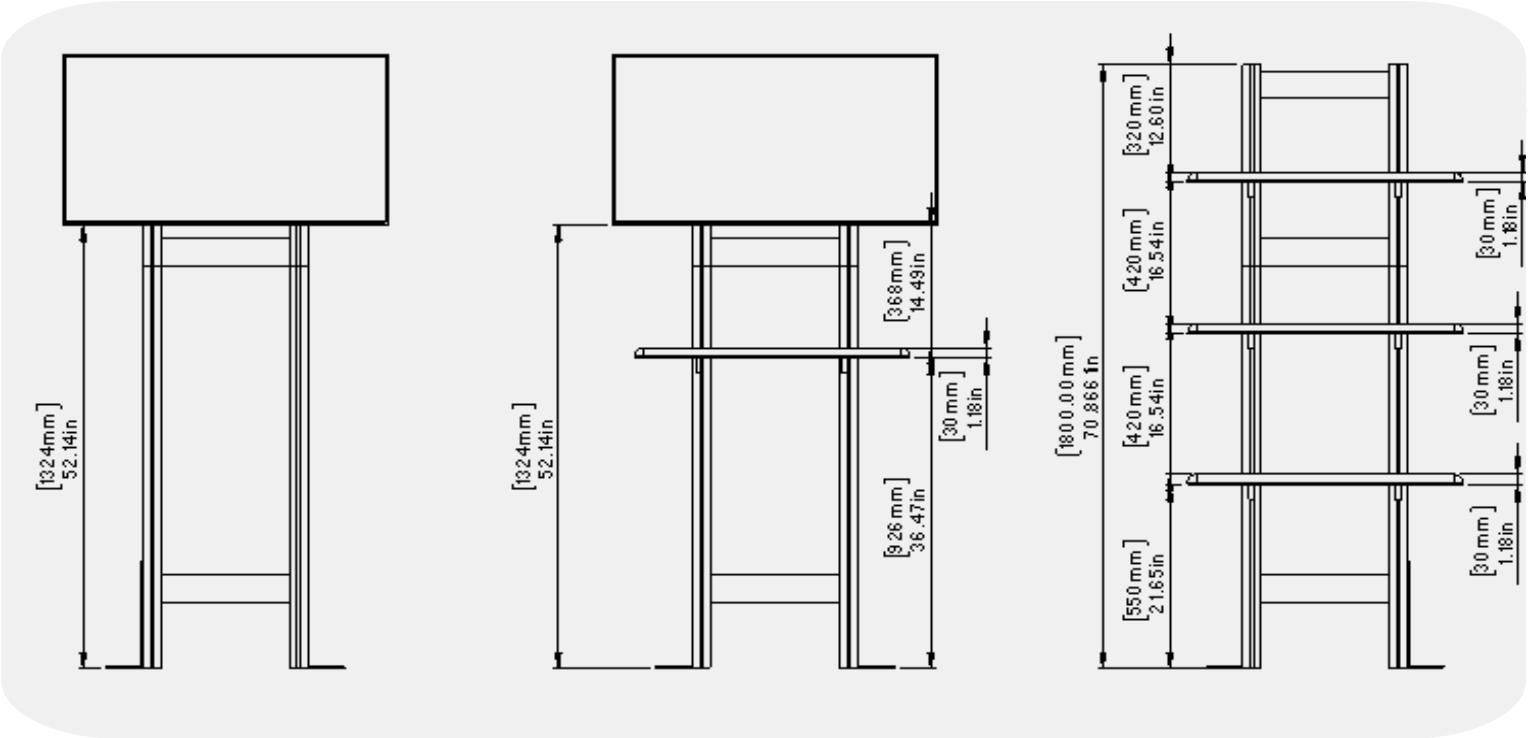
Location of vinly adhesive tape
Tape color-CLEAR

Indicator shown in green to show detail



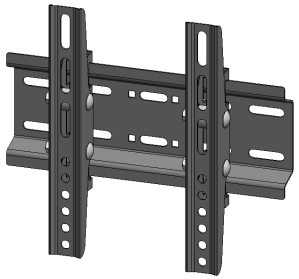
TORQUATA
Self-Adhesive Measuring Tape

Note: tape comes preattached to extrusion, 0” starts from the bottom (at the floor)



Monitor Bracket Instructions

Extrusion Channel Applications



EXT-SM-MB

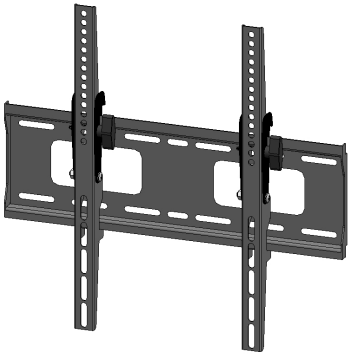
Vesa Pattern: 75 x 75
up to 200 x 200mm
Max weight varies per application

Assembled unit:
10”w x 8.86”h x 2”d
255mm (w) x 225mm (h) x 50mm (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 / 3 kg

Recommended monitor sizes:
23” - 42”



EXT-M-MB

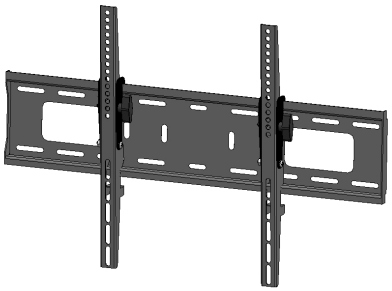
Vesa Pattern: 200 x 200
up to 400 x 400mm
Max weight varies per application

Assembled unit:
17.6”w x 16.7”h x 1.6”d
448mm (w) x 425mm (h) x 40mm (d)

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

Approximate total shipping weight:
8 lbs / 4 kg

Recommended monitor sizes:
32” - 55”



EXT-LG-MB

Vesa Pattern: 200 x 200
up to 600 x 400mm
Max weight varies per application

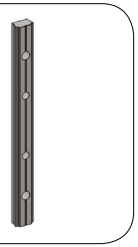
Assembled unit:
25.9”w x 16.7”h x 1.6”d
658mm (w) x 425mm (h) x 40mm (d)

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

Approximate total shipping weight:
9 lbs / 5 kg

Recommended monitor sizes:
37” - 70”

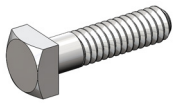
Included hardware:



LN-100 x2

M5 x 10

LN-LCD-SCW x2



1/4”-20 x 1”

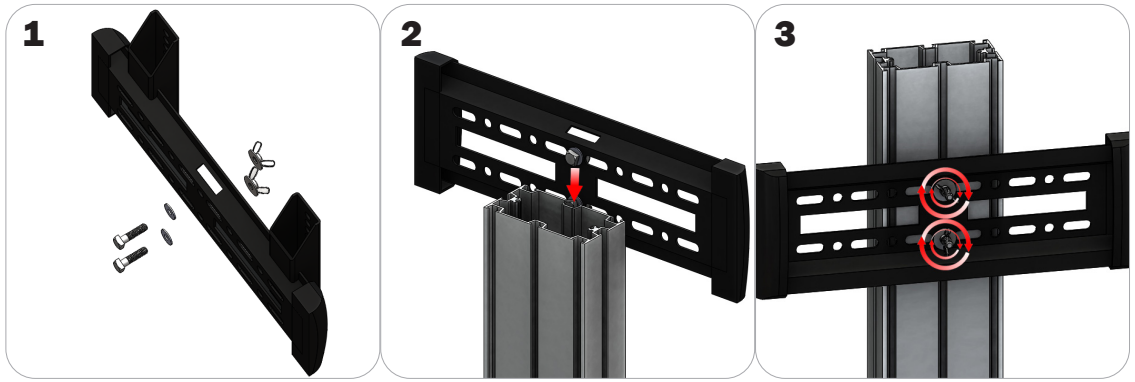
BOLT-1 x2

1/4”-20

Flange Wing nut x2

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) wing nuts.

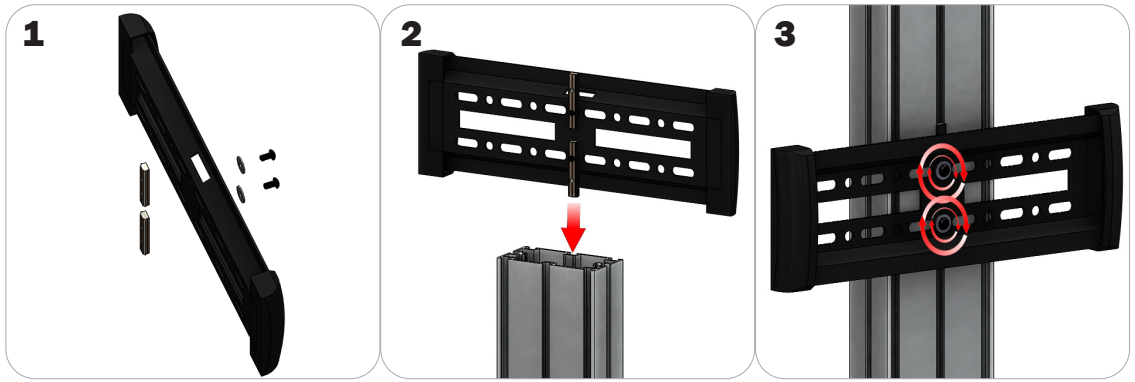
Step 1: Insert the provided bolts through the washers and center top and bottom holes of the monitor mount. Loosely thread your wing nuts onto the end of the bolts.

Step 2: Slide the bolt heads down the extrusion channel.

Step 3: Tighten your wing nuts to lock the monitor bracket in place.

Step 4: 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: Loosely 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.

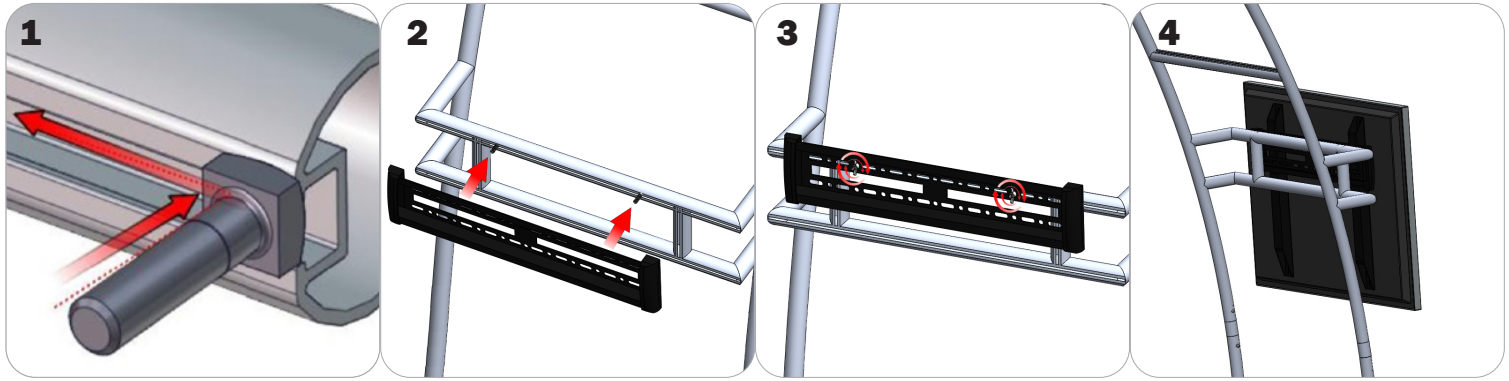
Step 2: Slide the LN-100s down the extrusion channel.

Step 3: Tighten your LN-LCD-SCW to lock the monitor bracket in place.

Step 4: Reference the included manufacturer monitor mount instructions for fastening your monitor to the bracket.

Extrusion Connection

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.