

CURVED UNIVERSAL VIDEOWALL CEILING MOUNT INSTALLATION GUIDE & PARTS LIST

This Pack Contains 1 Menu Board Ceiling Mount

PLEASE KEEP THIS FOR FUTURE REFERENCE

FEATURES

- Universal multi-screen ceiling mount suitable for screens up to 50kg (per screen)
- Recommended screen size 32" - 70"
- Angle adjustment range up to +/- 45°
- Suitable for landscape or portrait mounting
- Interface arms feature levelling screws to align and height adjust the screens
- Safety screws help prevent unauthorised removal of screens
- All mounting hardware included

This assembly manual covers different installations. Please note that some parts or procedures shown may not be required for installation.



PER SCREEN



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INSTALLATION TOOLS REQUIRED

Crosshead
screwdriver



Drill



Drill bit



Spanner



Pencil



Level
(Optional)



B-TECH AV MOUNTS

www.btechavmounts.com

INSTALLATION SAFETY INSTRUCTIONS



CAUTION: This ceiling mount is intended for use only with the maximum weights indicated.

Use with flat screens heavier than the maximum indicated may result in instability causing possible injury.

Do not attempt to install this product until all instructions and warnings have been read and properly understood. Please keep these instructions for future reference. Please check carefully to make sure there are no missing or defective parts - defective parts must never be used. B-Tech International Design & Manufacturing Ltd, its distributors and dealers are not liable or responsible for damage or injury caused by improper installation, improper use or failure to observe these safety instructions. In such cases, all guarantees will expire.

General

B-Tech International Design & Manufacturing Ltd recommends that a professional AV installer or other suitably qualified person install this product. Great care must always be taken during installation as most AV equipment is of a fragile nature, possibly heavy and easily damaged if dropped.

If you do not fully understand the instructions or are not sure how to install this product safely, then please consult a professional for advice and/or to install this product for you. Failure to mount this product correctly may cause serious injury or death both during installation and at any time thereafter. Do not mount any AV equipment that exceeds the specific weight limit of the product you are installing. This weight limit will be clearly stated on each product and its packaging and will vary from product to product.

Product location

Please pay careful attention to where this product is located. For indoor use only. Some ceilings are not suitable for installation. If located in a public or frequently populated area ensure that the product is out of the immediate reach of people. If any AV equipment is to be suspended over the likely path or location of people then great care should be taken to secure all parts of the installation from falling. When drilling holes into walls it is essential to avoid contact with electrical cables and water or gas pipes contained within. Use of a good quality live wire detector and hidden object locator is therefore recommended. Only drill into structures when you are sure it is safe to do so.

Fixing hardware

It is highly recommended that all fixing screws be used where supplied and that the purpose of all other fixing hardware is fully understood. In some cases more AV equipment fixing hardware will be supplied to accommodate different models of equipment and set up configurations. The installer must be satisfied that any supplied fixing hardware is suitable for each specific installation. If any fixing screws or included hardware are deemed not sufficient for a safe installation then please consult a professional or your local hardware store.

Hazard limitation

When routing cables take advantage of any built in cable management features that the product might provide and ensure that all cables are tidy and secure. Check to see that any moving aspect of the product can do so unhindered by any cabling. Some products have moving parts and the potential to cause injury through the crushing or trapping of fingers or other body parts. Particular attention to the nature of moving parts is required especially when assembling installing and adjusting during set up.

Immediately after installations double-check that the work done is safe and secure. Double-check all necessary fixings are present and are of ample tightness.

It is recommended that periodic inspections of the product and its fixing points are made as frequently as possible to ensure that safety is maintained. If in doubt consult a professional AV installer or other suitably qualified person.

CS

Společnost B-Tech International Design And Manufacturing Ltd. doporučuje provést instalaci tohoto produktu instalátora AV či jinak způsobilé osoby. Společnost B-Tech International Design And Manufacturing Ltd., její distributoři a prodejci nenesou prostřednictvím odborného odpov. édnost za škody nebo zranění způsobená nevhodnou instalací. Tento výrobek je nutno umístit do vhodné konstrukce a používat jen po uvedené maximální výšce.

DE

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ES

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FR

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IT

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NL

B-Tech International Design And Manufacturing Ltd. adviseert om dit product te laten installeren door een professionele AV-installateur of andere hiervoor gekwalificeerde persoon. B-Tech International Design And Manufacturing Ltd, haar distributeurs en dealers zijn niet aansprakelijk of verantwoordelijk voor schade of letsel die is veroorzaakt door onoordeelkundige installatie. Dit product moet worden gemonteerd aan een geschikte constructie, waarbij het aangegeven maximum gewicht niet mag worden overschreden.

PL

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PT

A B-Tech International Design And Manufacturing Ltd. recomenda que a instalação deste produto seja efectuada por um instalador de AV instalador de AV profissional ou outra pessoa devidamente habilitada. A B-Tech International Design And Manufacturing Ltd. e os seus distribuidores e concessionários não são responsáveis por danos ou lesões causados por uma instalação incorrecta. Este produto tem de ser montado numa estrutura adequada e utilizado somente até ao peso máximo indicado.

RU

Компания B-Tech International Design And Manufacturing Ltd. рекомендует, чтобы установка данного изделия производилась инженером по установке аудио-видеотехники или другим специалистом с соответствующей квалификацией. Компания B-Tech International Design And Manufacturing Ltd. ее дистрибьюторы и дилеры не несут ответственности за повреждения или травмы, полученные в результате неправильной установки. Данное изделие должно

توصي بي- تك للتجارة الدولية المحدودة بأن شخص محترف في تركيب ال AV أو شخص مؤهل تأهيلا مناسباً لتركيب هذا المنتج. بي- تك للتجارة الدولية، موز عليها والتجار ليست عرضة أو مسؤولة عن الأضرار أو الإصابات الناجمة عن تركيب غير سليم، والاستخدام غير السليم أو عدم مراعاة هذه التعليمات للسلامة. يجب أن يتم تركيب هذا المنتج في بنية مناسبة ويجب استخدام فقط لدعم الحد الأقصى للوزن المشار إليه.

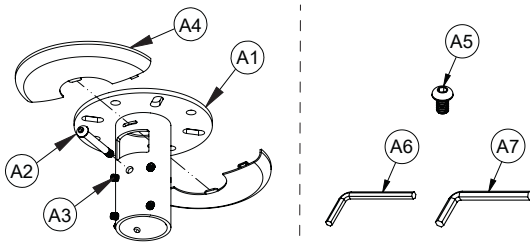
BT8343 PARTS LIST

Due to the multiple installations available the quantity for each option below is dependent on the mount ordered.

(A) CEILING MOUNT

BT7822

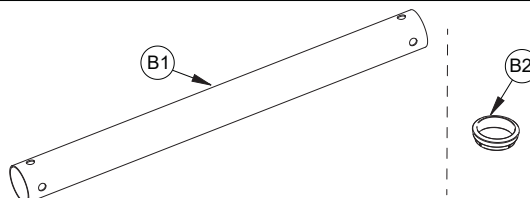
REF	PART NAME	QTY PER PACK
A1	CEILING PLATE	1
A2	M8 x 60mm HEX SOCKET SCREW	1
A3	M8 x 8mm GRUB SCREW	8
A4	CEILING PLATE COVER	2
A5	M8 x 12mm CSK SCREW	1
A6	4AF HEX KEY	1
A7	5AF HEX KEY	1



(B) EXTENSION POLE

BT7850

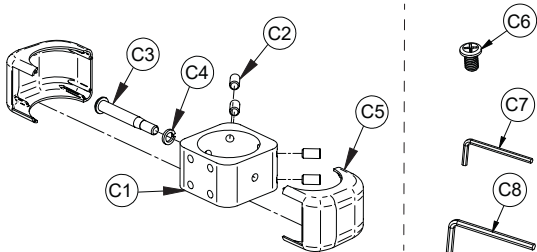
REF	PART NAME	QTY PER PACK
B1	EXTENSION POLE	1
B2	END CAP	1



(C) COLLAR

BT7051

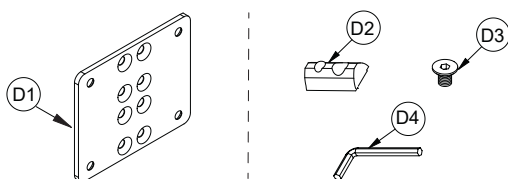
REF	PART NAME	QTY PER PACK
C1	COLLAR	1
C2	M8 x 15mm GRUB SCREW	4
C3	M8 x 65mm SAFETY BOLT	1
C4	M8 SPRING WASHER	9
C5	COLLAR COVERPLATE (HALF)	2
C6	M8 x 12mm SCREW	8
C7	4AF HEX KEY	1
C8	5AF HEX KEY	1



(D) COLLAR FIXING KIT

BT8390-CFK

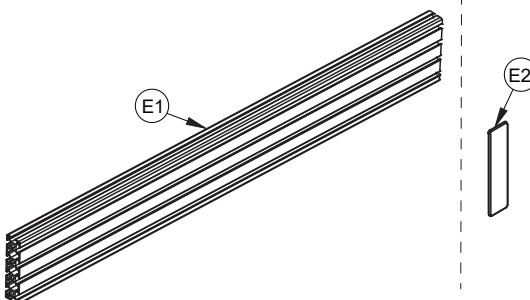
REF	PART NAME	QTY PER PACK
D1	COLLAR FIXING PLATE	1
D2	M8 SLIDING NUT	4
D3	M8 x 12mm CSK SCREW	8
D4	3AF HEX KEY	1



(E) MOUNTING RAIL

BT8390-050 Length: 50cm	BT8390-070 Length: 70cm
BT8390-150 Length: 150cm	BT8390-175 Length: 175cm
BT8390-200 Length: 200cm	BT8390-300 Length: 300cm

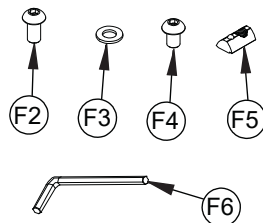
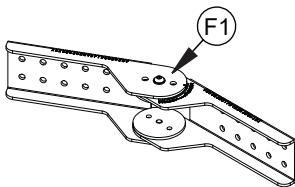
REF	PART NAME	QTY PER PACK
E1	MOUNTING RAIL	1
E2	END CAP	2



(F) ANGLE ADJUSTMENT CONNECTOR

BT8390-AAC

REF	PART NAME	QTY PER PACK
F1	ANGLE CONNECTOR	1
F2	M8 x 16mm SCREW	4
F3	M8 WASHER	12
F4	M8 x 12mm SCREW	8
F5	M8 SLIDING NUT	8
F6	5AF HEX KEY	1

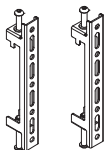


(G) INTERFACE KIT

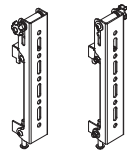
REF	PART NAME	QTY PER PACK
G1	LEFT INTERFACE ARM	1
G2	RIGHT INTERFACE ARM	1
G3	M6 x 8mm HEX SCREW**	4
G4	4AF HEX KEY**	1
G5	5AF LONG HEX KEY	1
REF	SCREEN FIXING KIT	QTY PER PACK
A	M4 x 12mm SCREW*	4
B	M4 x 25mm SCREW*	4
C	M4 x 40mm SCREW*	4
D	M6 x 16mm SCREW	4
E	M6 x 25mm SCREW	4
F	M6 x 40mm SCREW	4
G	M8 x 16mm SCREW	4
H	M8 x 25mm SCREW	4
I	M8 x 40mm SCREW	4
J	MULTIWASHER*	4
K	5mm SPACER	4
L	13mm SPACER	4
M	24mm SPACER	4
N	M6 WASHER***	4

Screen Interface Arms

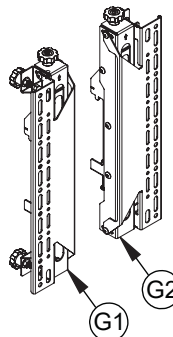
BT8390-VESA200F



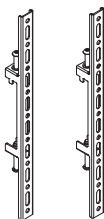
BT8390-VESA200T



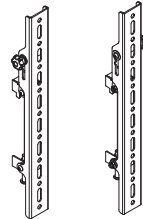
BT8390-VESA400MAF



BT8390-VESA400F



BT8390-VESA400T



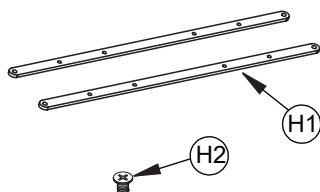
* Not included with the BT8390-VESA400MAF

** Not included with the BT8390-VESA400MAF, BT8390-VESA200F or BT8390-VESA400F

*** Only supplied with the BT8390-VESA400MAF

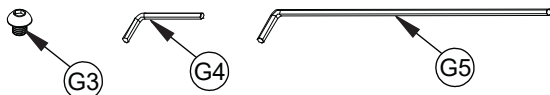
(H) OPTIONAL INTERFACE ADAPTOR ARMS

BT7564 BT7565 BT7566

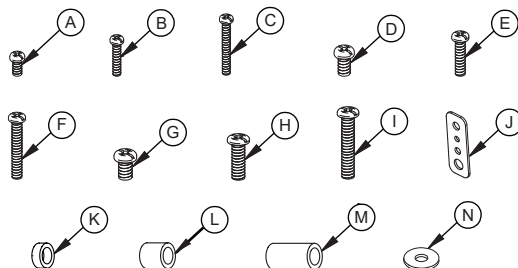


REF	PART NAME	QTY PER PACK
H1	ADAPTOR ARMS	2
H2	M8 x 12mm SCREW	4

Interface Arm Kit



Screen Fixing Kit

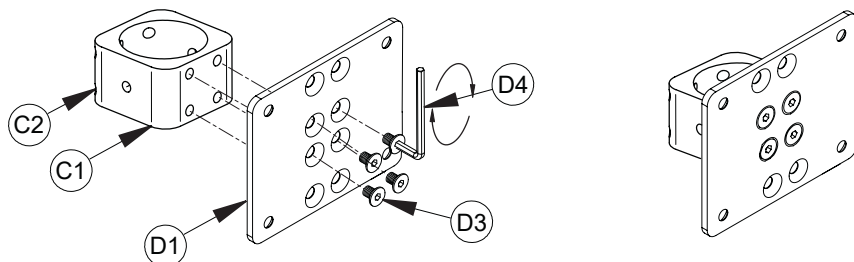


PLEASE REFER TO INDIVIDUAL PARTS LIST FOR MORE INFORMATION

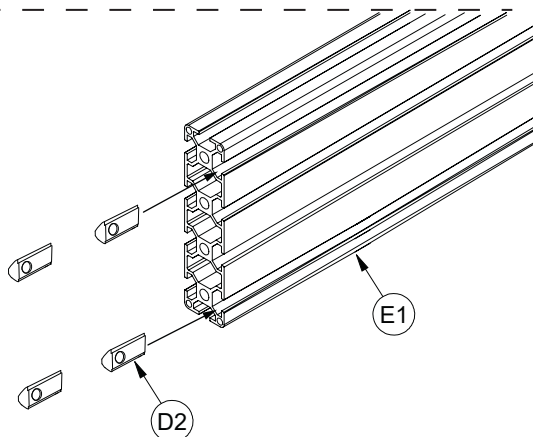
INSTALLATION INSTRUCTIONS

1 Collar assembly using the BT8390-CFK with a BT7051 collar

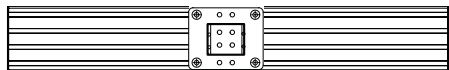
i. Attach item C1 to item D1.



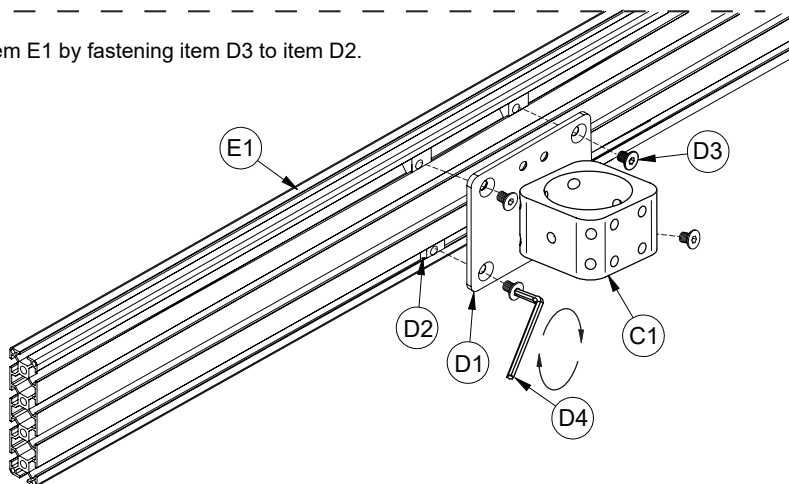
ii. On each rail, insert 4 x item D2 into item E1.
2 in the top slot, 2 in the bottom slot.



Position items D2 so that item D1 fits centrally onto item E1.



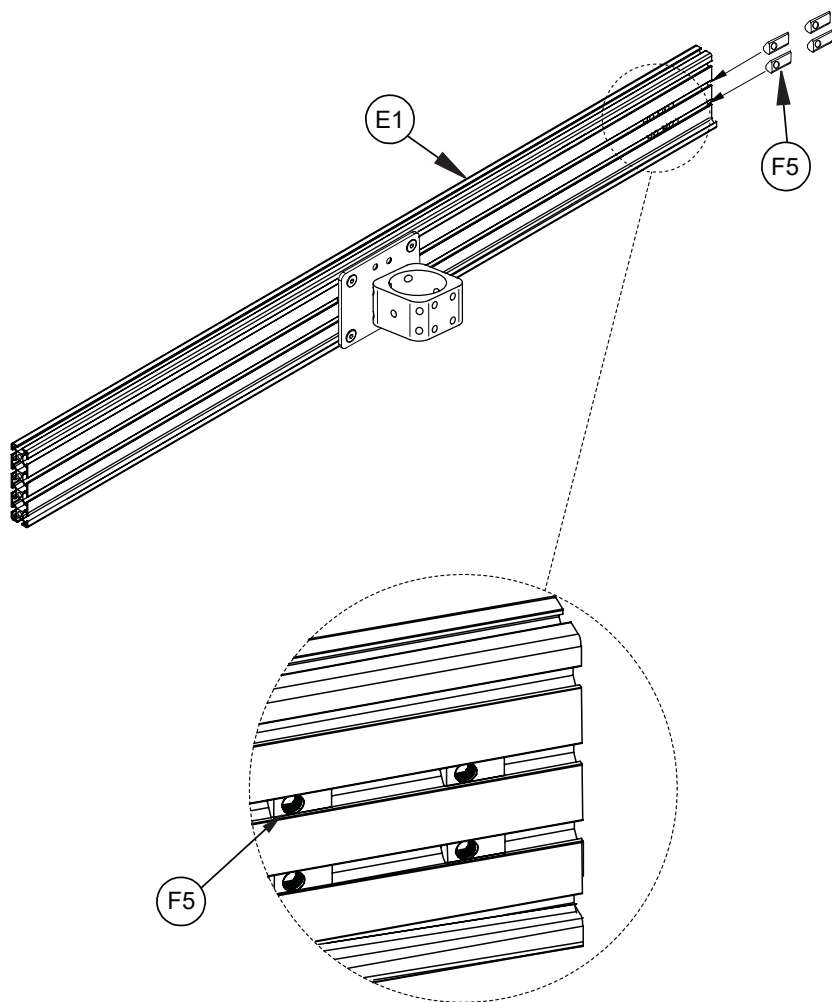
iii. Attach item D1 to item E1 by fastening item D3 to item D2.



Insert Sliding Nuts into Mounting Rails

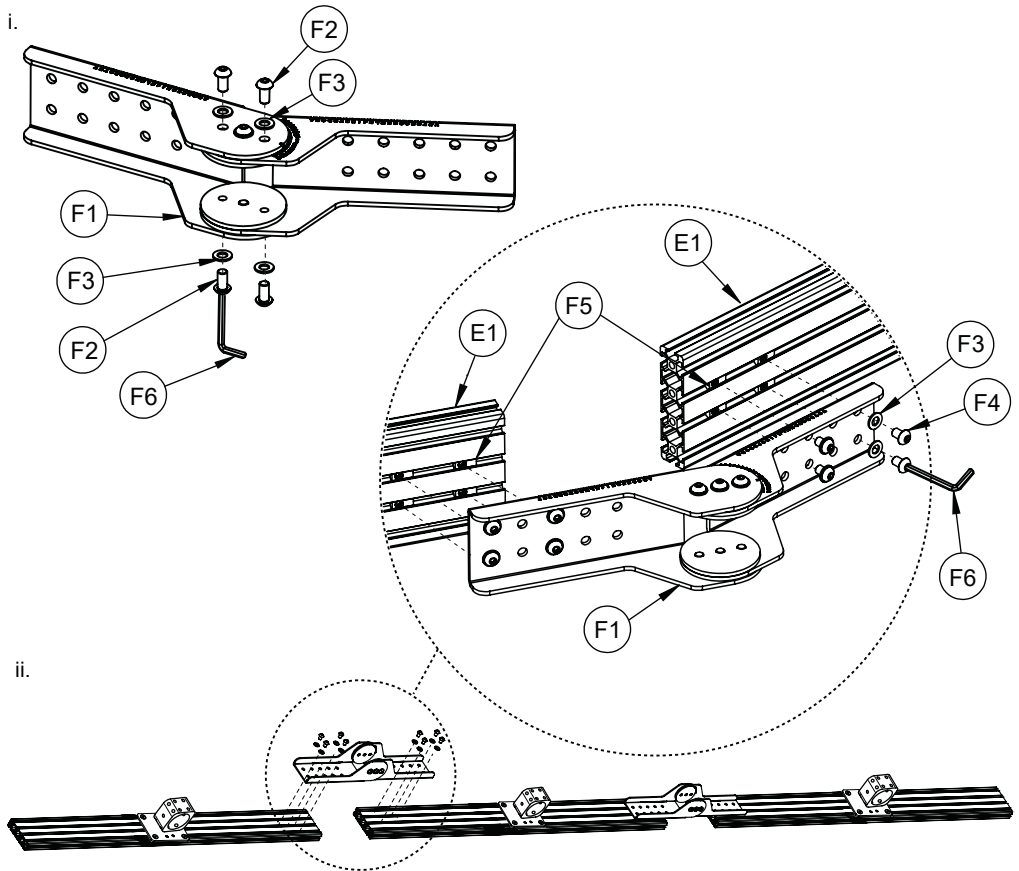
Lay items E1 on the floor.

To attach item F1 to item E1, insert 4 x item F5 into the end of the rail. Two in each centre slot.



Connect Rails Together using the Angle Connector

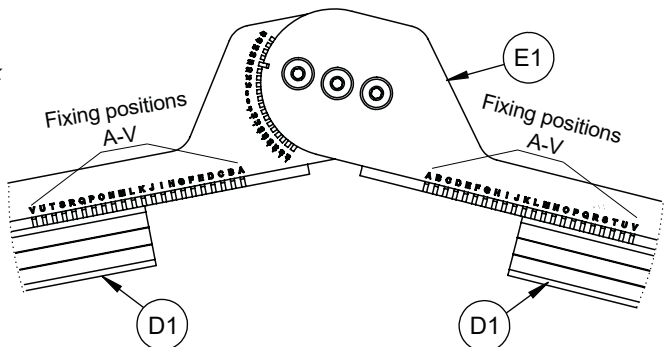
- i. Assemble items F2 and F3 to item F1. *Do not fully tighten the screws and washers.*
- ii. With the rails flat on the floor, fix item F1 to 2 x item E1 using items F3, F4 and F5. Make sure all rails are fixed using the same positions on item F1*.



***Note:** The rail fixing positions to use on part E1 are dependent on the size of screens being used.

For help with the rail
fixing position contact:
technical@btechavmounts.co.uk

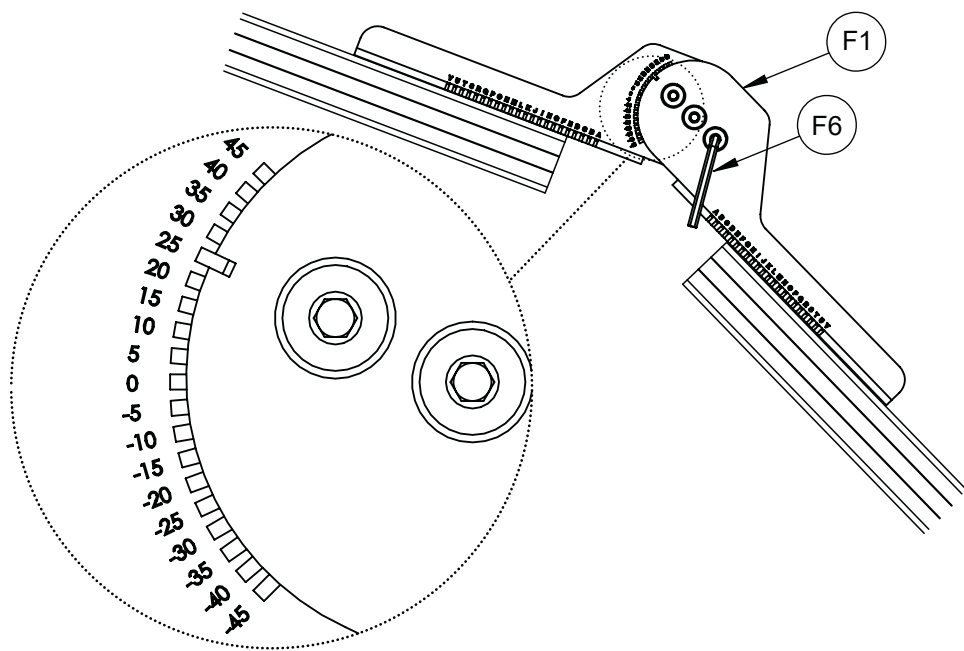
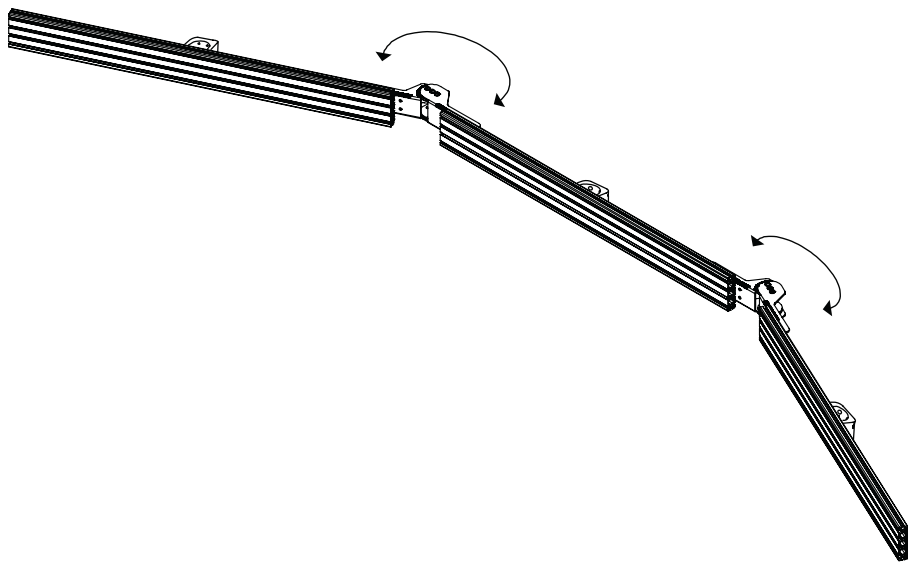
Please state the screen size,
screen depth, rail length and
curve angle of the installation.



4

Fix Angle

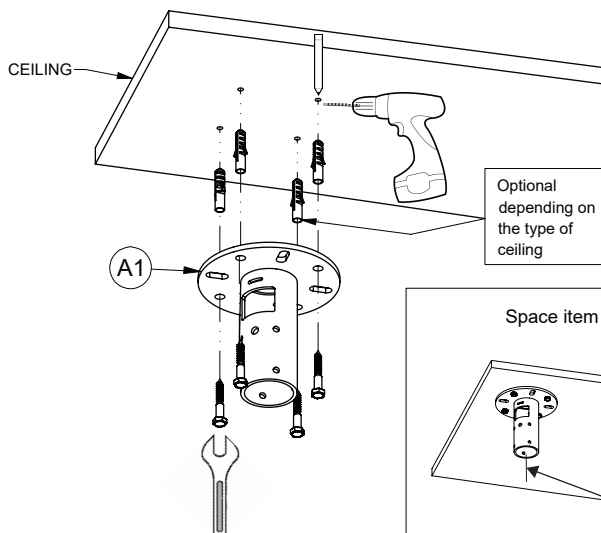
Set the angle required on item F1 and fully tighten all screws with item F6.



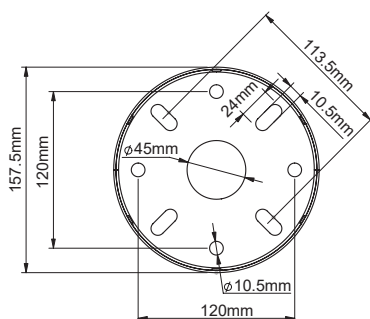
5

Fix Ceiling Plate to the Ceiling

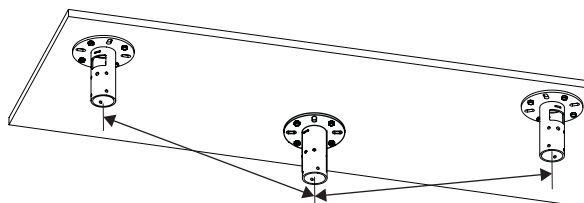
Fix item A1 to the ceiling using suitable fixings (not supplied).



CEILING PLATE DIMENSIONS



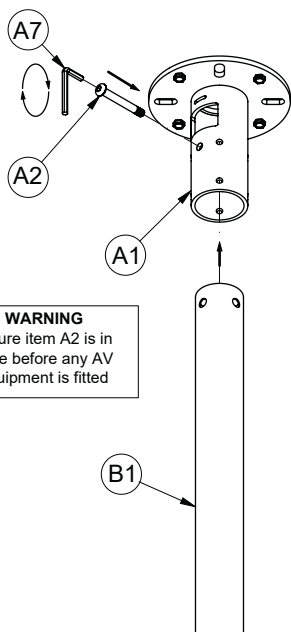
Space item A1 apart the same distance as the item C1 are on item E1.



6

Attach Pole to Ceiling Plate

i. Insert item B1 into item A1.
Secure in place using item A2 with item A7.

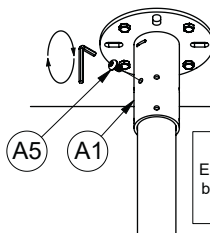


WARNING

Ensure item A2 is in place before any AV equipment is fitted

OPTIONAL

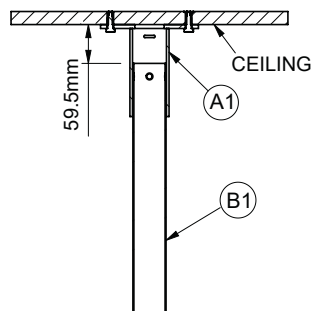
Item A2 can be replaced with item A5 to prevent cables being obstructed.



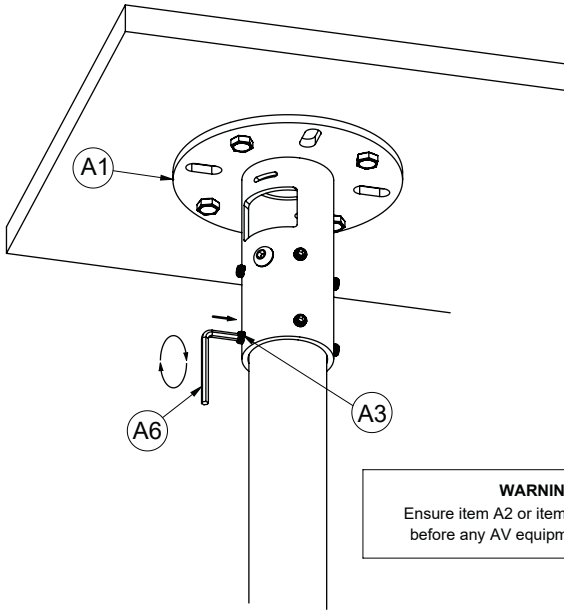
WARNING

Ensure item A5 is in place before any AV equipment is fitted.

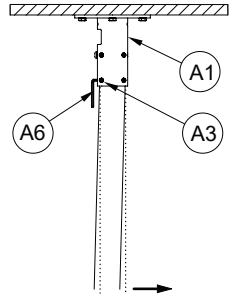
CEILING MOUNTED



ii. Tighten item A3 with item A6.



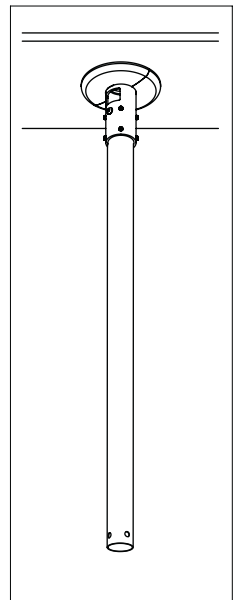
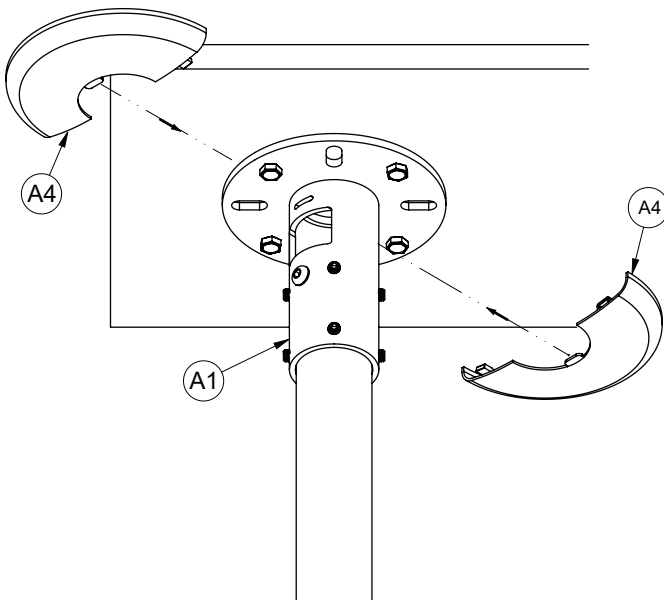
The angle of the pole can be adjusted using item A3 with item A6.



WARNING

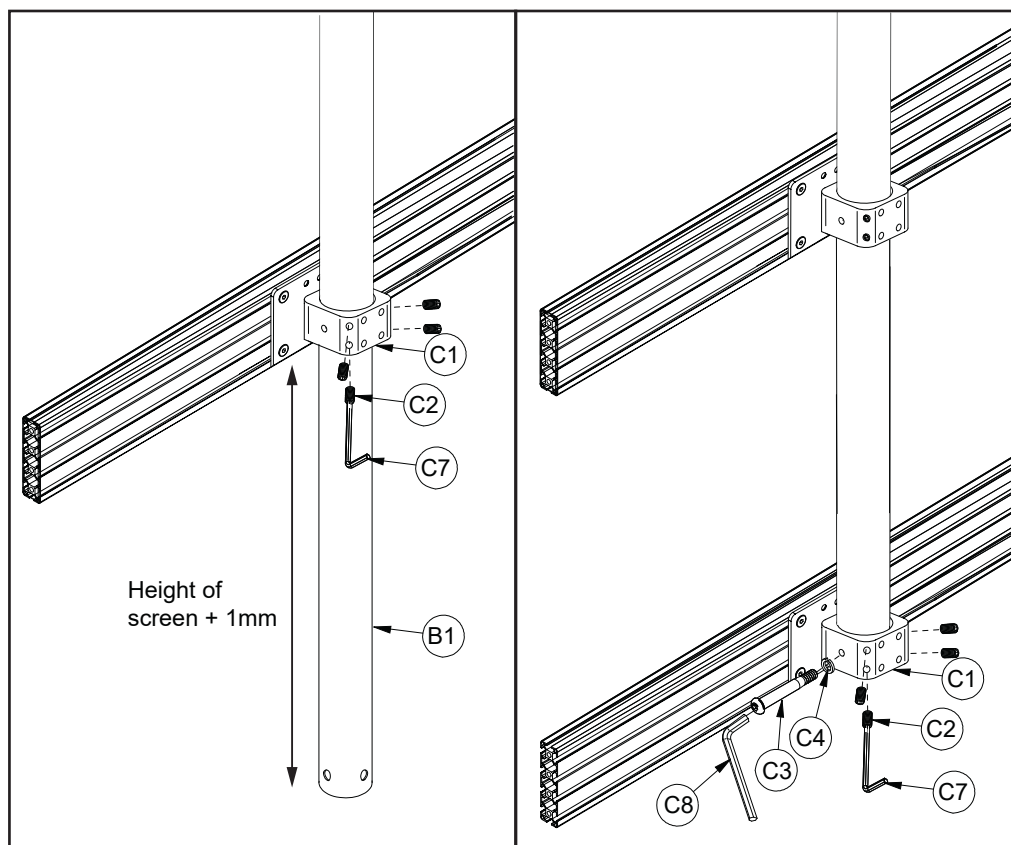
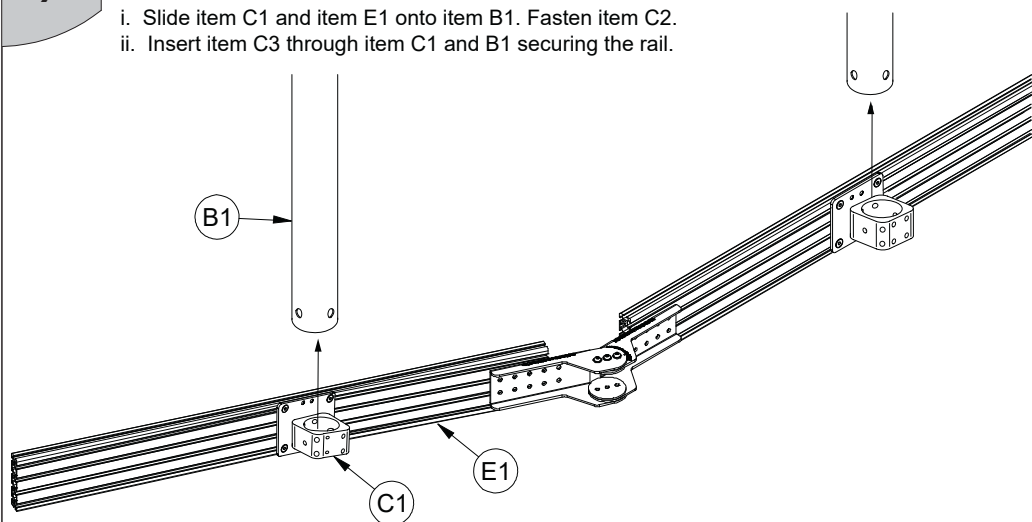
Ensure item A2 or item A5 is in place before any AV equipment is fitted

iii. Attach item A4 around item A1.



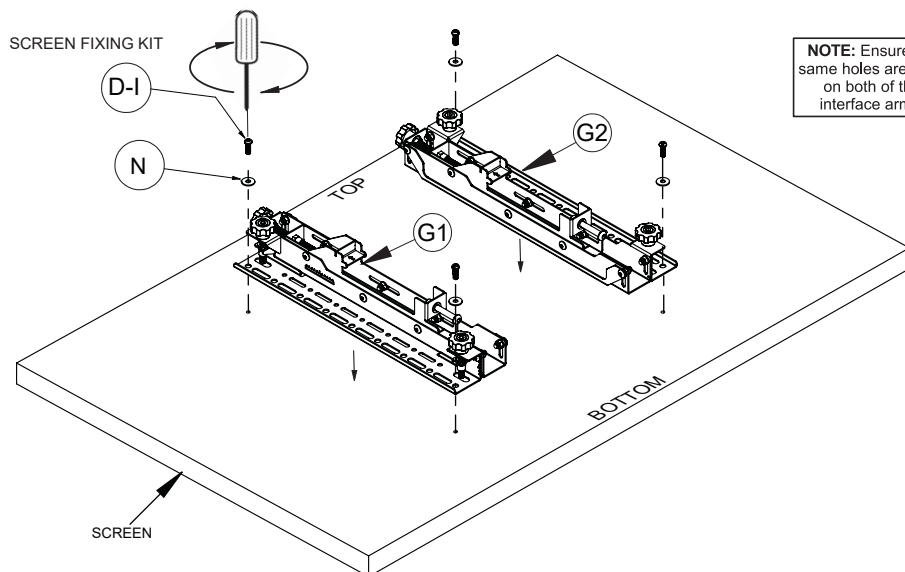
Mounting Rail to Pole(s)

- i. Slide item C1 and item E1 onto item B1. Fasten item C2.
- ii. Insert item C3 through item C1 and B1 securing the rail.

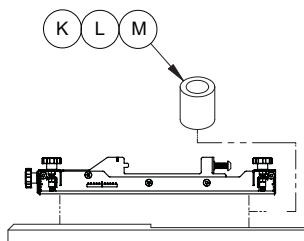


Attach Interface Arms to Screen

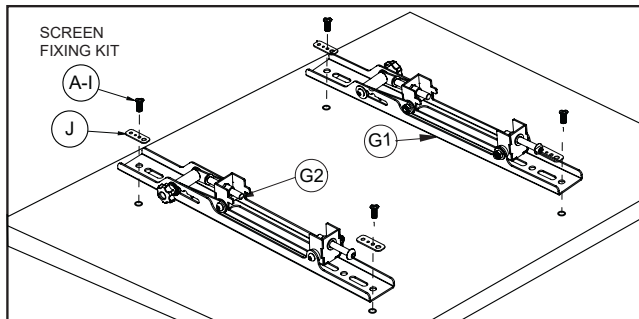
Attach items G1 & G2 to the back of the screens using items A-F.
Repeat step for all screens.



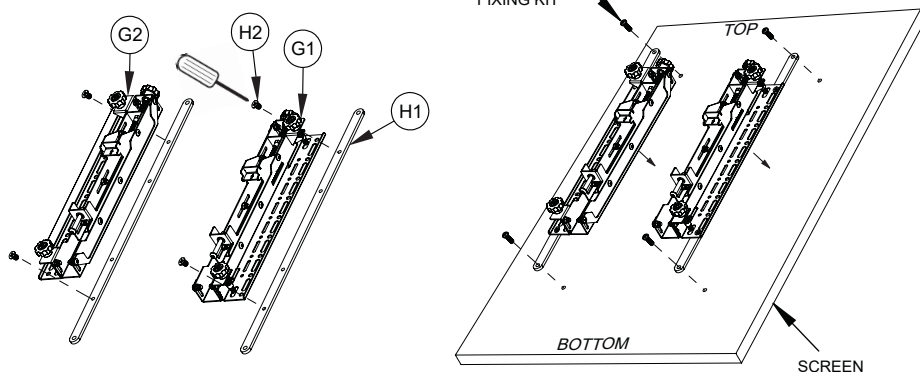
Use spacers for screens with recessed fixings



SCREEN FIXING KIT

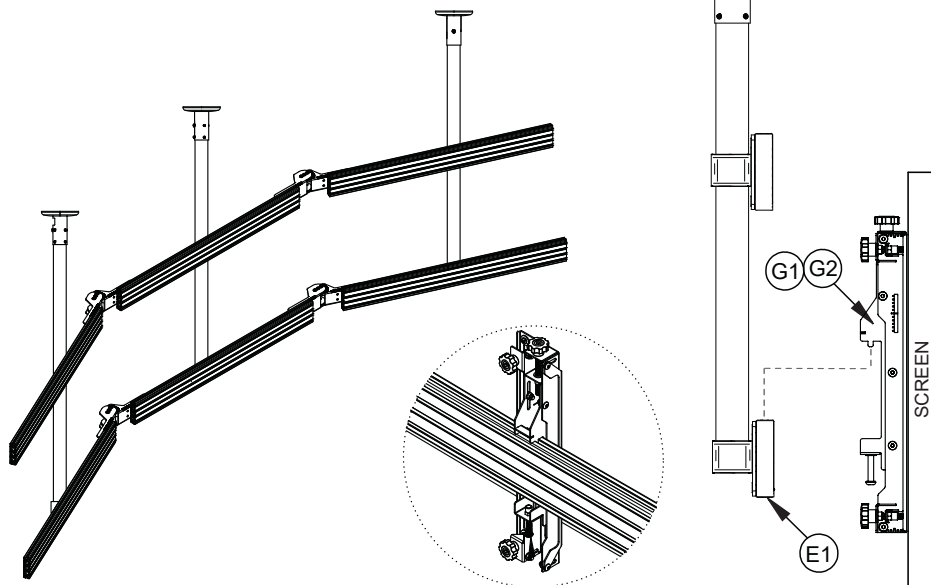


Using Interface Adaptor Arms

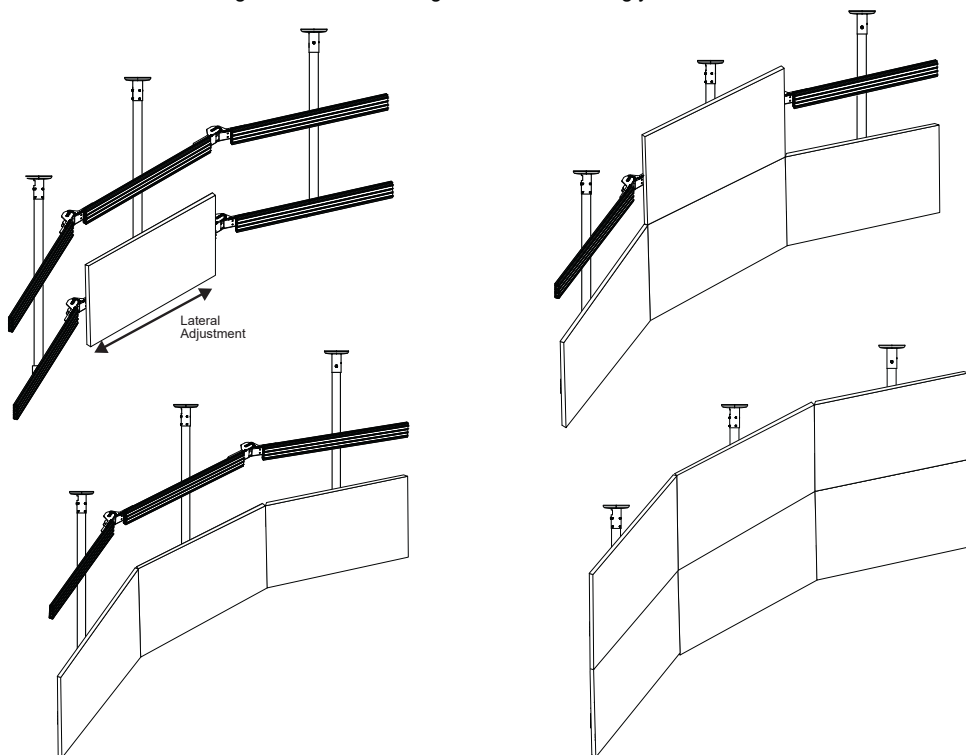


Hook Screens onto Mounting Rail

i. Hook first screen onto the centre rail.



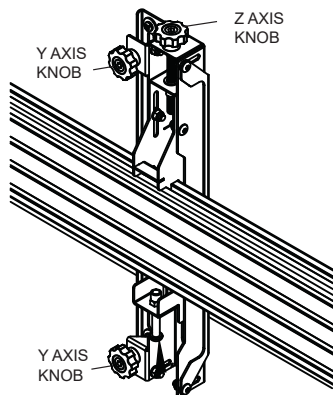
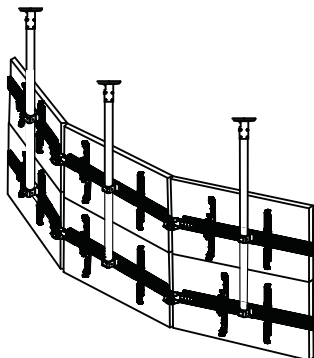
ii. Hook on the remaining flat screens and align screens accordingly.



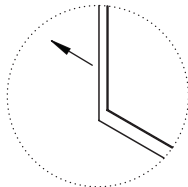
1 □

Screen Alignment using BT8390-VESA400MAF

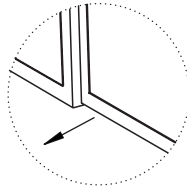
Use the Y & Z micro-adjustment knobs on items G1 & G2 to align screens.



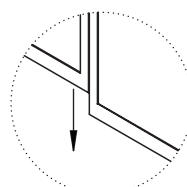
Use **Lateral Adjustment** to align sides of screens



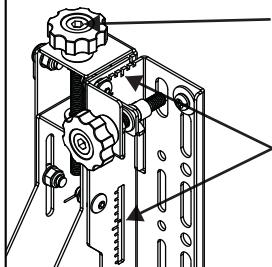
Use **Depth Adjustment*** (Y axis knobs) to align front of screens



Use **Height Adjustment*** (Z axis knobs) to align bottom/top of screens



BT8390-VESA400MAF

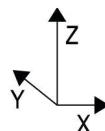


Adjustment knobs are also compatible with 6mm allen key

Adjustment lines to help with accurate Y and Z axis screen alignment

Total Z axis adjustment is +/-25mm
Total Y axis adjustment is 20mm

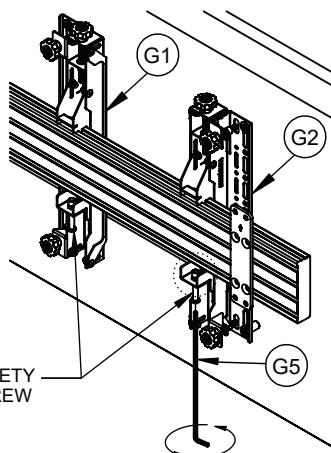
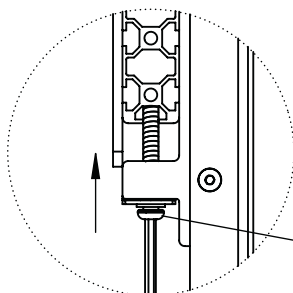
Note: Light pressure in the desired direction of travel will assist in the adjustment of knobs when using heavier screens



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Secure Screens

Once screens are aligned, tighten the safety screws on the bottom items G1 & G2.



SAFETY SCREW



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