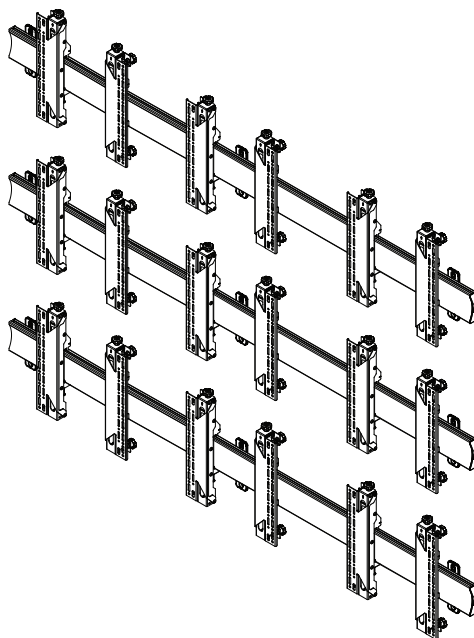


Universal Videowall Mounting System

Installation Guide



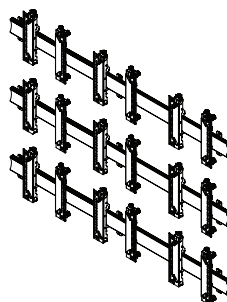
- Recommended screen size: 32" - 75"
- Max weight per screen: 50kg (110lbs)
- Suitable for landscape or portrait mounting
- Sections can be joined together to increase videowall width
- Safety screws help prevent unauthorised removal of screens
- All mounting hardware included

Note: This assembly manual covers different installations. Some parts or procedures shown may not be required for installation.

Recommended Max Screen	Max Load Per Screen	Micro Adjustment	Post Install Alignment
75" 190cm	50kg [110lbs]		

Please refer to page 5 for VESA® fixings

Installation Safety Notes	2
Parts List	4
Typical Installation	6
Installation Instructions	7
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B-Tech Contact Details	20



Installation & Operating Safety Instructions



Caution: This mount is intended for use only with the maximum weights indicated. Use with equipment 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 AV Mounts, 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 AV Mounts 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. Check load capacity of the wall prior to installation as some surfaces are not suitable for installation. Designed for indoor use, this mount is suitable for public or home 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 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. The fixing kit supplied with the product may not be suitable for all walls. 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 installation 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 (no more than 6 months apart) to ensure that safety is maintained. If in doubt consult a professional AV installer or other suitably qualified person.

- CN B-Tech AV Mounts 建议本产品由专业AV安装人员或其他合格人员安装。B-Tech AV Mounts 及它的代理商、经销商不对由于不恰当的安装而造成的损失或伤害负责。本产品必须安装在合适的架构上，并仅用于不超过所标示的最大承重。
- CS Společnost B-Tech AV Mounts doporučuje provést instalaci tohoto produktu instalátora AV či jinak způsobilé osoby. Společnost B-Tech AV Mounts, její distributoři a prodejci nenesou prostřednictvím odborného odpovědnost za škody nebo zranění způsobená nevhodnou instalací. Tento výrobek je nutno umístit do vhodné konstrukce a používat jen po uvedené maximální výšce.
- DE B-Tech AV Mounts empfiehlt, dass dieses Produkt durch einen qualifizierten AV-Techniker oder eine andere Person mit geeigneter Qualifikation installiert wird. B-Tech AV Mounts, ihre Distributoren und Händler können nicht für durch fehlerhafte Montage verursachte Beschädigung oder Verletzung haftbar bzw. verantwortlich gemacht werden. Dieses Produkt muss auf einem geeigneten Untergrund montiert werden und darf nur bis zum angegebenen Höchstgewicht verwendet werden.
- EN B-Tech AV Mounts recommends that this product be installed by a qualified AV technician or other suitably qualified person. B-Tech AV Mounts, 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. This product must be mounted on a suitable surface and may only be used up to the specified maximum weight.
- ES B-Tech AV Mounts recomienda que un instalador de audio y video profesional u otra persona debidamente cualificada instalen este producto. B-Tech AV Mounts, sus distribuidores y concesionarios no se hacen cargo ni se responsabilizan de ningún daño o lesión provocados por una instalación inapropiada. Este producto se debe montar en una estructura adecuada y se debe utilizar soportando solamente hasta el peso máximo indicado.
- FR B-Tech AV Mounts recommande de confier l'installation de ce produit à un installateur AV professionnel ou à une autre personne dûment qualifiée. B-Tech AV Mounts, ses distributeurs et ses revendeurs ne sauraient être tenus responsables de tout dégât ou de toute blessure résultant d'une installation incorrecte. Ce produit doit être monté sur un support approprié et utilisé dans la limite du poids maximum indiqué.
- IT B-Tech AV Mounts consiglia di affidare l'installazione di questo prodotto a un installatore specializzato o ad altra persona adeguatamente qualificata. B-Tech AV Mounts, i suoi distributori e rivenditori non accettano alcuna responsabilità nei riguardi di eventuali danni o infortuni causati da un'errata installazione. Questo prodotto deve essere fissato a una struttura idonea e utilizzato unicamente sino al peso massimo indicato.
- JP B-Tech AV Mounts はAV設置の専門家または適合した知識を備えた人が製品を設置することを推奨します。B-Tech AV Mountsと販売店、取引先はこうした安全指針に従わない場合に随伴される製品の損傷や傷害に対する責任を負いません。場合によって製品が設置されるに適していないところもあるので設置位置に特別な注意を傾けてください。この製品の位置に注意を傾けて設置に適していない壁があるかを確認してください。指定した重さ制限を超過するAV装備を装着しないでください。
- KR B-Tech AV Mounts 는 AV 설치 전문가 또는 적합한 지식을 갖춘 사람이 제품을 설치하도록 권장합니다. B-Tech AV Mounts 와 판매점, 거래처는 이러한 안전 지침을 따르지 않을 경우에 수반될 제품의 손상이나 손해에 대한 책임을 지지 않습니다. 경우에 따라 제품이 설치되기에 적합하지 않은 곳들도 있으므로 설치 위치에 특별한 주의를 기울여 주시기 바랍니다. 제품의 설치 위치에 주의를 기울여 확인하십시오. 지정된 무게 제한을 초과하는 AV 장비를 장착하지 마십시오.
- NL B-Tech AV Mounts adviseert om dit product te laten installeren door een professionele AV-installateur of andere hiervoor gekwalificeerde persoon. B-Tech AV Mounts, 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 Firma B-Tech AV Mounts zaleca, aby ten produkt był instalowany przez profesjonalnych instalatorów AV lub inny odpowiednio przeszkolony personel. Firma B-Tech AV Mounts, jej dystrybutorzy i dealery nie ponoszą odpowiedzialności za uszkodzenia lub obrażenia ciała powstałe w wyniku nieprawidłowej instalacji. Niniejszy produkt musi być amontowany na odpowiedniej powierzchni, a podczas użytkowania nie wolno przekraczać podanego maksymalnego obciążenia.
- PT A B-Tech AV Mounts 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 AV Mounts 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 AV Mounts рекомендует, чтобы установка данного изделия производилась инженером по установке аудио-видеотехники или другим специалистом с соответствующей квалификацией. Компания B-Tech AV Mounts ее дистрибьюторы и дилеры не несут ответственности за повреждения или травмы, полученные в результате неправильной установки.

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، موزعها والتجار ليست عرضة أو مسؤولة عن الأضرار أو الإصابات الناجمة عن تركيب غير سليم، والاستخدام غير السليم أو عدم مراعاة هذه التعليمات للسليم. يجب أن يتم تركيب هذا المنتج في بنية مناسبة ويجب استخدام فقط لدعم الحد الأقصى للوزن المشار إليه.

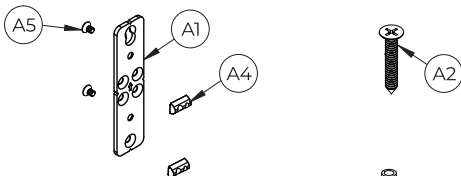
BT8340 Parts List

Please keep this for future reference

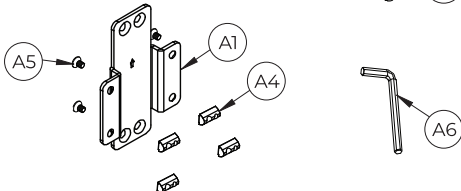
Due to the multiple installations available the quantity for each option below is dependent on the mount ordered. All these components can be moved or carried by manpower. Please be careful to avoid injury when handling these components before & during the installation or when uninstalling the mount.

Rail Mounting Bracket

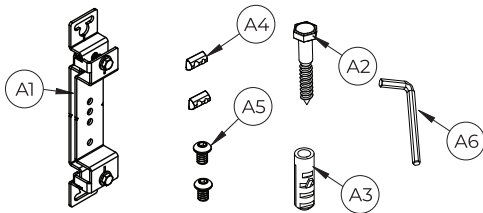
BT8390-WFK1



BT8390-WFK2



BT8390-WFK5



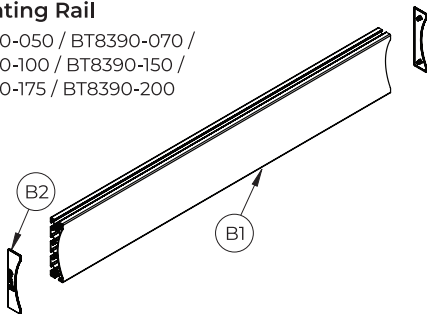
Item	Description	Qty per pack
A1	Wall Fixing Plate	1
A2	ST8 x 45mm Csk Wood Screw	2
A3	No.10 Wall Plug	2
A4	M8 Sliding Nut	2
A5	M8 x 12mm CSK Screw	2
A6	5AF Hex Key	1

Item	Description	Qty per pack
A1	Wall Fixing Plate	1
A2	ST8 x 45mm Csk Wood Screw	4
A3	No.10 Wall Plug	4
A4	M8 Sliding Nut	4
A5	M8 x 12mm CSK Screw	4
A6	5AF Hex Key	1

Item	Description	Qty per pack
A1	Adjustable Depth Fixing Plate	1
A2	M8 x 50mm Coach Screw	2
A3	No.10 Wall Plug	2
A4	M8 Sliding Nut	2
A5	M8 x 12mm CSK Screw	2
A6	5AF Hex Key	1

Mounting Rail

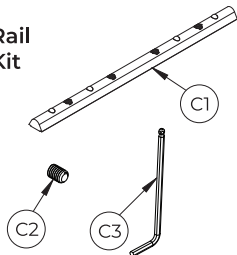
BT8390-050 / BT8390-070 /
BT8390-100 / BT8390-150 /
BT8390-175 / BT8390-200



Item	Description	Qty per pack
B1	Mounting Rail	1
B2	End Cap	2

Optional Mounting Rail Extension Kit

BT8390-EXT

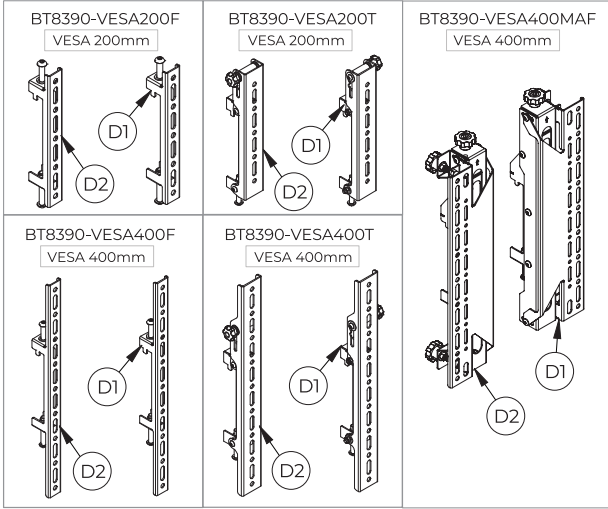


Item	Description	Qty per pack
C1	Joining Bar	6
C2	M6 x 8mm Grub Screw	24
C3	3AF Hex Key	1

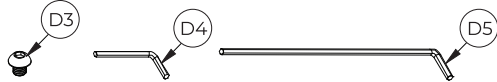
All these components can be moved or carried by manpower. Please be careful to avoid injury when handling these components before & during the installation or when uninstalling the mount.

Interface Fixing Kit

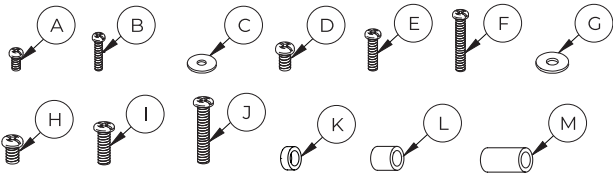
Screen Interface Arms



Interface Arm Kit



Screen Fixing Kit



Item	Description	Qty per pack
D1	Interface Arm - Left	1
D2	Interface Arm - Right	1
D3	M6 x 8mm Screw**	4
D4	4AF Hex Key**	1
D5	5AF Hex Key	1
Screen Fixings		
A	M4 x 12mm Screw*	4
B	M4 x 25mm Screw*	4
C	M4 Washer*	4
D	M6 x 16mm Screw	4
E	M6 x 25mm Screw	4
F	M6 x 40mm Screw	4
G	M6 Washer	4
H	M8 x 16mm Screw	4
I	M8 x 25mm Screw	4
J	M8 x 50mm Screw	4
K	5mm Spacer	4
L	15mm Spacer	4
M	25mm Spacer	4

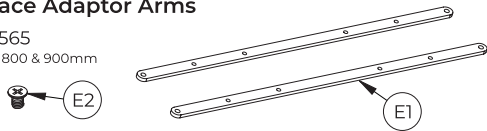
* Not included with the BT8390-VESA400F, BT8390-VESA400T or BT8390-VESA400MAF
** Not included with the BT8390-VESA400MAF, BT8390-VESA200F or BT8390-VESA400T

Suitable for loads up to 50kg (110lbs) per screen



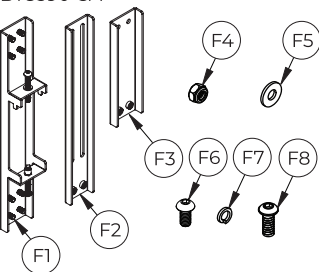
Optional Interface Adaptor Arms

BT7564 / BT7565
VESA 600mm / VESA 800 & 900mm



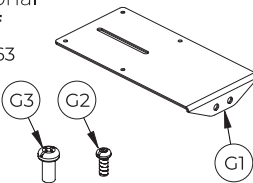
Item	Description	Qty per pack
E1	Adaptor Arms	2
E2	M8 x 12mm Screw	4

Optional Accessory Mounting Arm
BT8390-SA



Item	Description	Qty per pack
F1	Hook On Arm	1
F2	Long Extension Arm	1
F3	Short Extension Arm	1
F4	Nut	4
F5	Washer	4
F6	M8 X 16mm Screw	4
F7	Spring Washer	4
F8	M8 x 20mm Screw	2

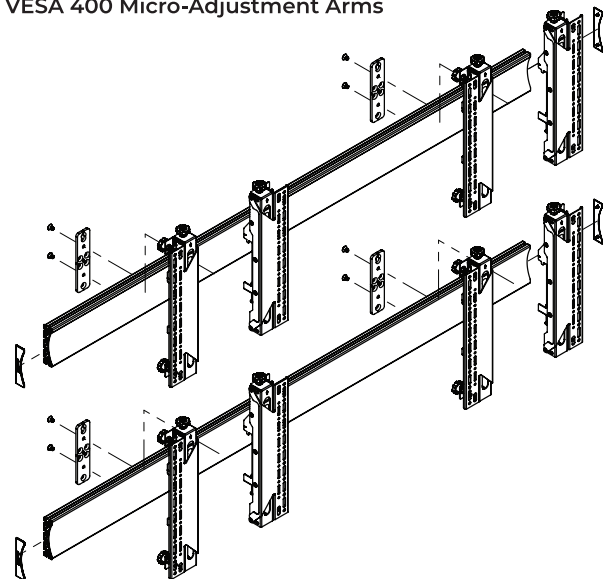
Optional Shelf
BT7863



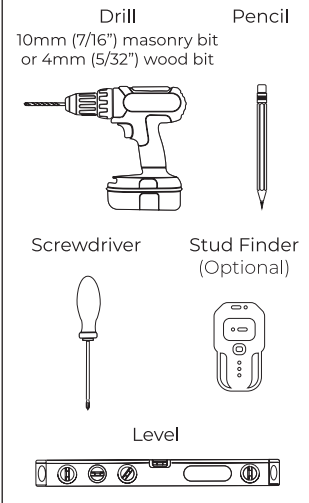
Item	Description	Qty per pack
G1	VC Shelf	1
G2	M4 x 10mm Screw	4
G3	UNC 1/4" x 1/2" Screw	1

Typical Installations

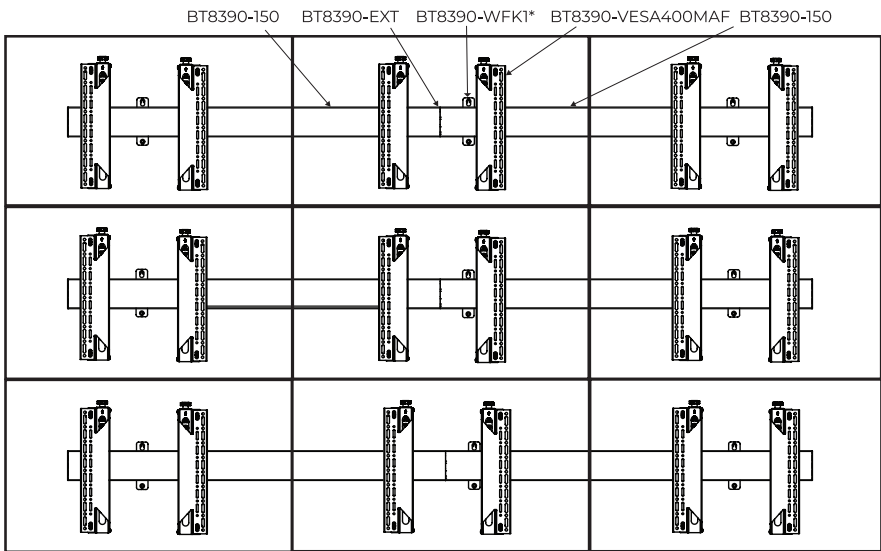
2 x 2 Videowall Installation with VESA 400 Micro-Adjustment Arms



Installation Tools Required



3 x 3 Videowall installation with VESA 400 Micro-Adjustment Arms



***Note:** Wall fixing brackets cannot be installed directly behind a rail joining kit (BT8390-EXT)

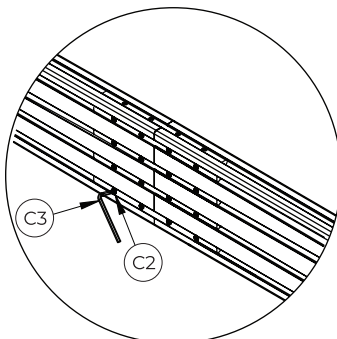
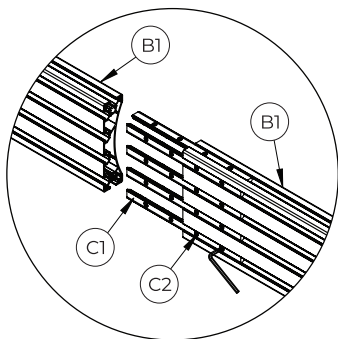
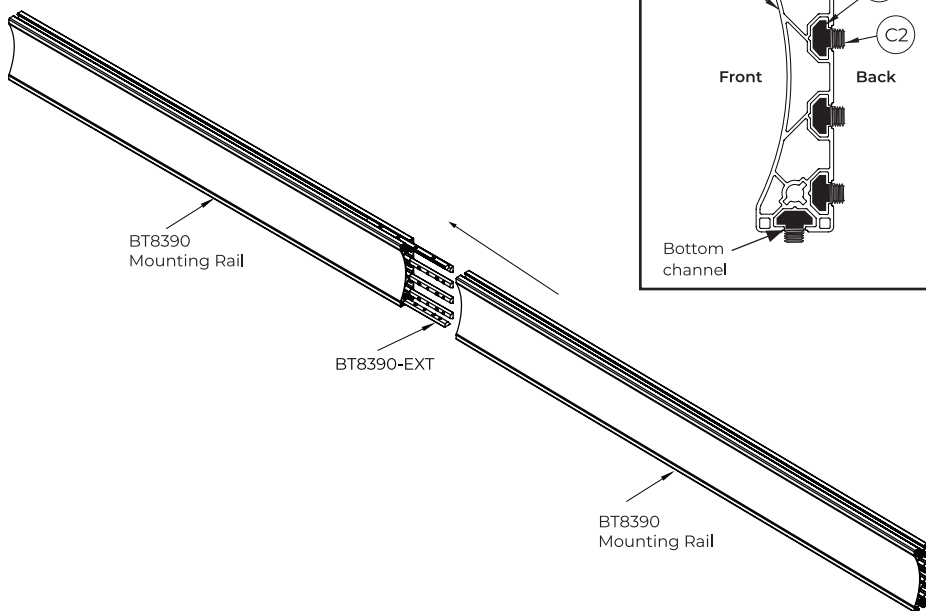
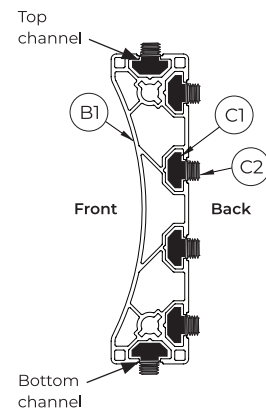
Optional Extending The Mounting Rail

Combining Mounting Rails

- On the back, top and bottom* of *item B1*, insert *item C1* halfway into each channel.
- On each joining bar, loosely fasten *item C2* fixing it to the mounting rail.
- Slide the second rail (*item B1*) onto *item C1* and tighten all *items C2*, combining the rails securely.

Joining Bar Assembly

***Note:** If hooking a screen interface arm (*item D1* or *D2*) or an accessory mounting arm (*item F1*) over the rail join, do not place a joining bar (*item C1*) in the top or bottom channels.



Installation Instructions

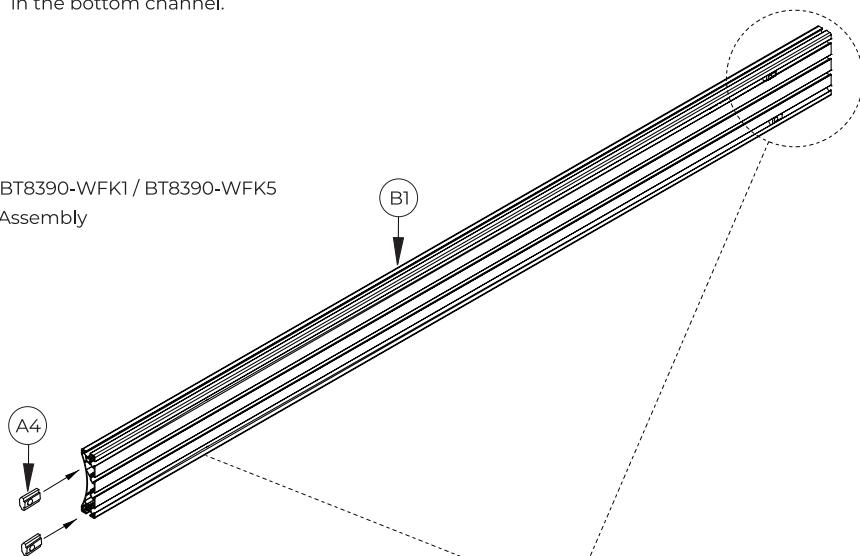
1. Insert M8 Sliding Nuts Into Mounting Rail

a i. BT8390-WFK1 / BT8390-WFK5 assembly.

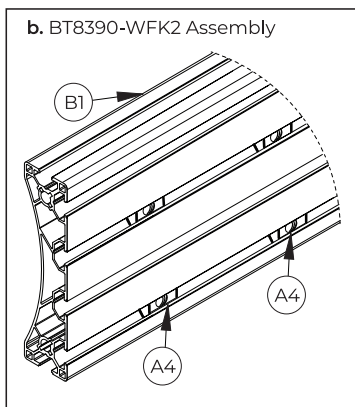
For each *item A1* to be fitted onto the rail, insert 2x *item A4* into *item B1*. 1x in the top channel and 1x in the bottom channel.

b i. BT8390-WFK2 assembly. For each *item A1* to be fitted, insert 4x *item A4* into *item B1*. 2x in the second from top channel and 2x in the bottom channel.

a. BT8390-WFK1 / BT8390-WFK5 Assembly



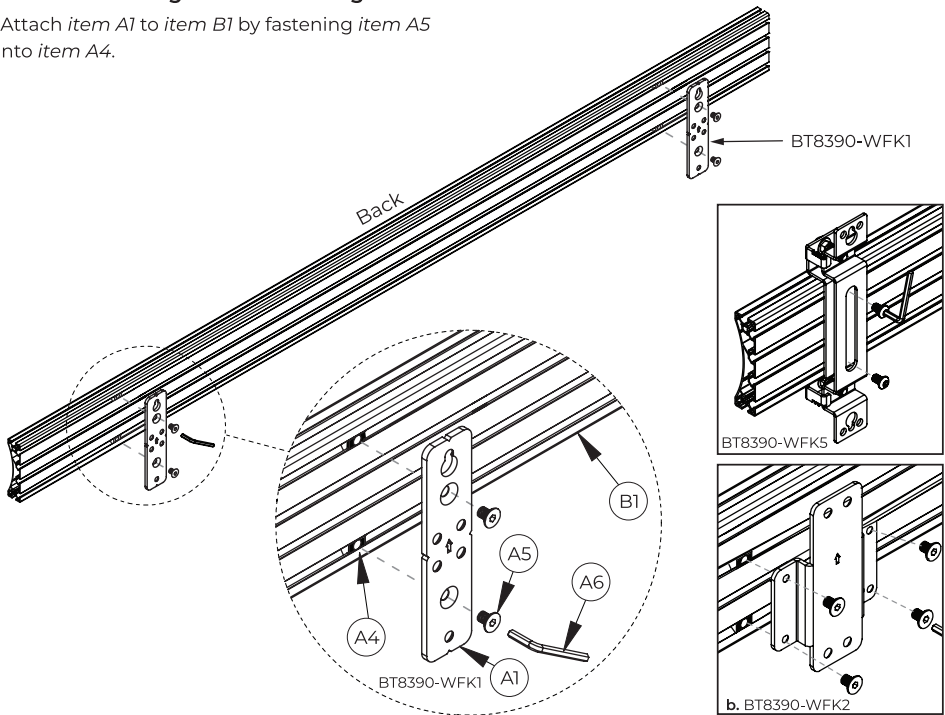
b. BT8390-WFK2 Assembly



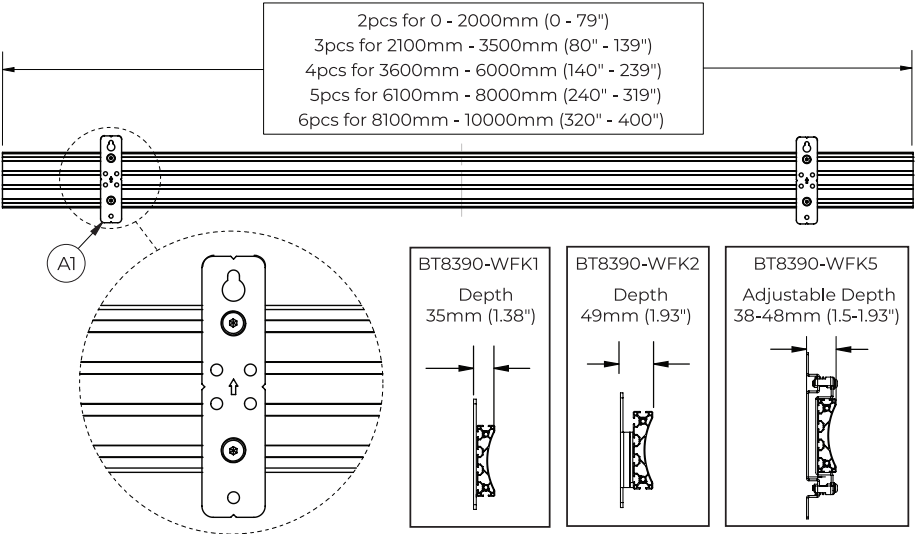
a. BT8390-WFK1

Attach Wall Fixing Kit To Mounting Rail

ii. Attach item A1 to item B1 by fastening item A5 into item A4.



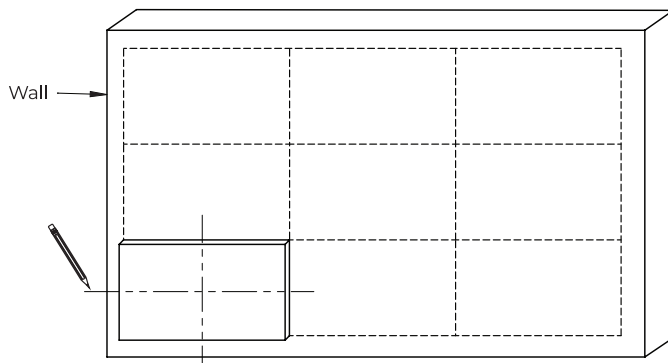
Required quantity of Rail Fixing Brackets (item A1)



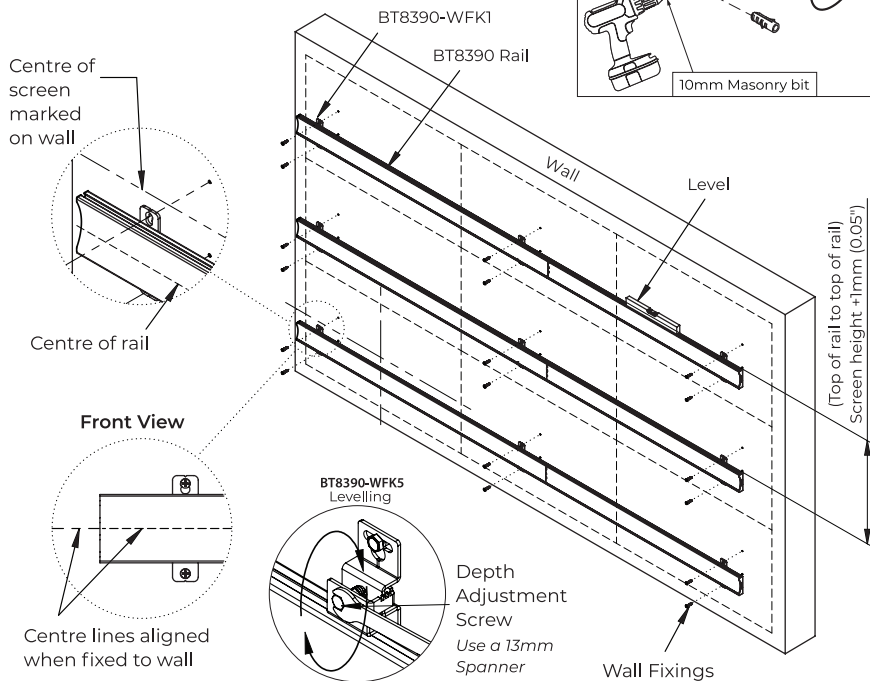
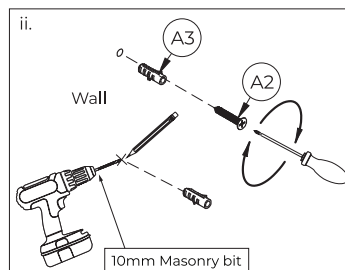
2. Installing The Mount

- i. Determine the centre of the first screen at the bottom left. Mark the centre, for the centre of the rail.

Example 3x3 Videowall Installation



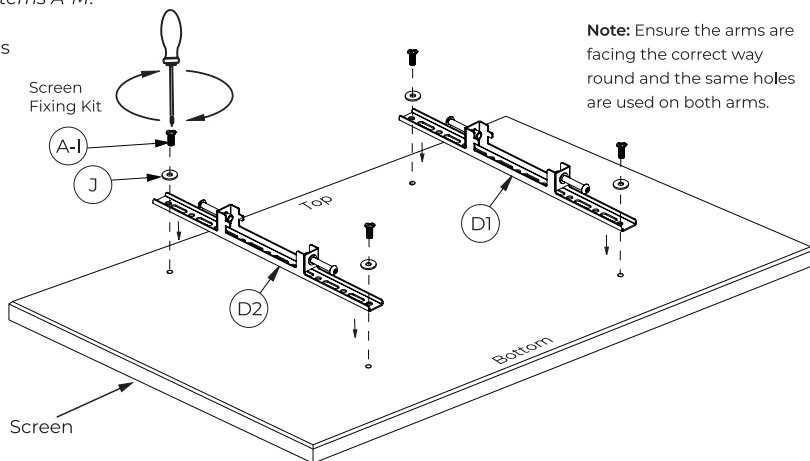
- ii. Mark and drill fixing holes for each *item A1* fitted onto the rails. Insert *item A3* and the top *item A2*. *Do not fully tighten* - Allow a gap (approx. 10mm/0.5").
- iii. Hook *item A1* on to *item A2* using the keyholes on the wall plate. Once the rail is hooked on, fasten *item A2* into the bottom holes and tighten all fixings.



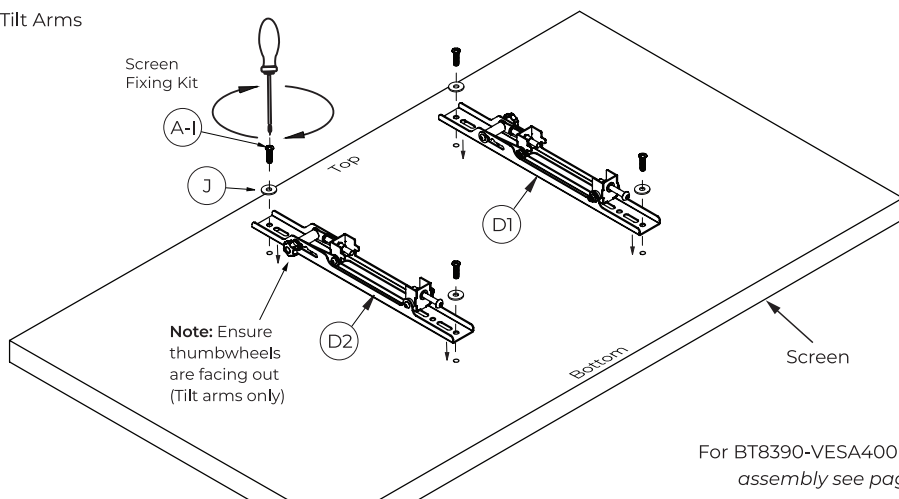
3. Attach Interface Arms To Screen

Fix items *D1* & *D2* to the rear of the screen using items *A-M*.

a. Fixed Arms



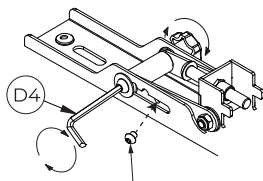
b. Tilt Arms



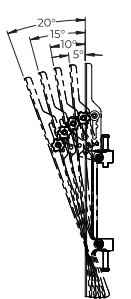
For BT8390-VESA400MAF
assembly see page 12

BT8390-VESA200T / BT8390-VESA400T

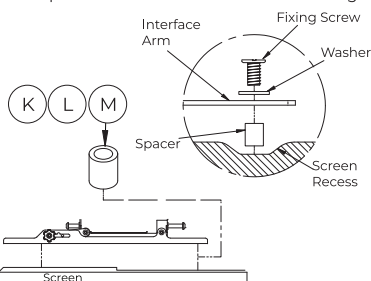
For tilt adjustment, use item *D4* to loosen the screw and thumbwheel on the interface arms. Re-tighten screw to fix tilt angle.



Use item *D3* for a fixed 0° display



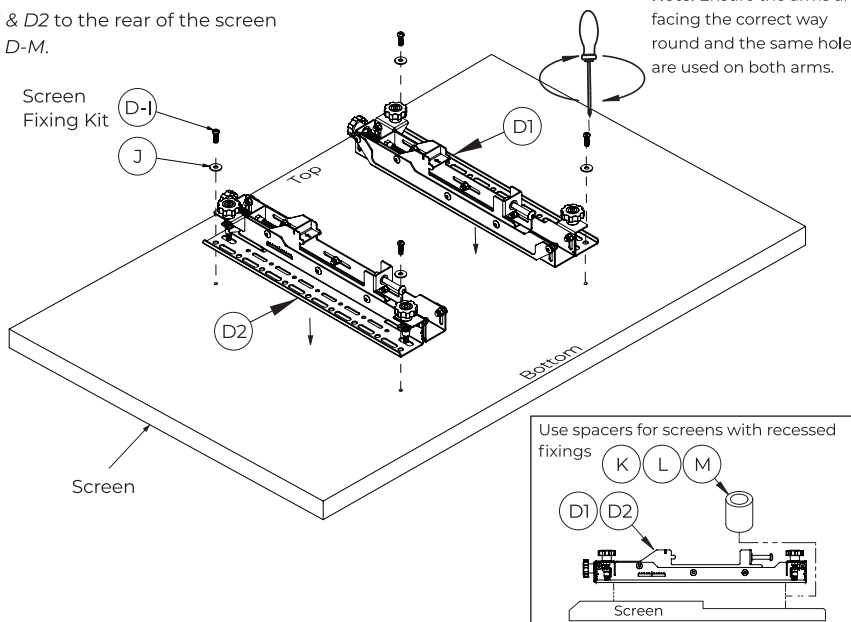
Use spacers for screens with recessed fixings



c. Micro-Adjustment Arms

Fix items D1 & D2 to the rear of the screen using items D-M.

Note: Ensure the arms are facing the correct way round and the same holes are used on both arms.

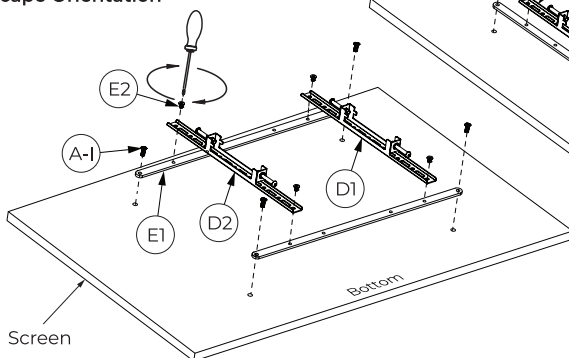


Optional Adaptor Arms

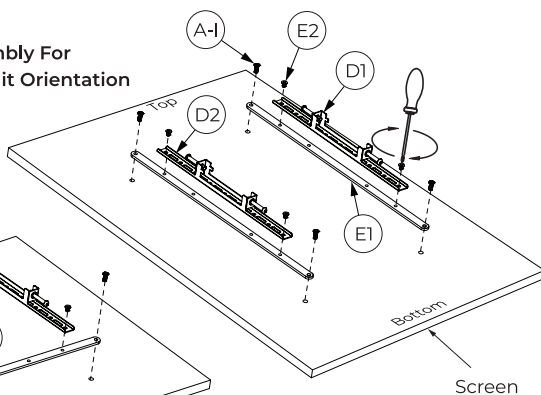
Attach Adaptor Arms To Interface Arms

- Use item E2 to fix item E1 to items D1 & D2.
- Attach item E1 to the screen using the screen fixing kit.

Assembly For Landscape Orientation

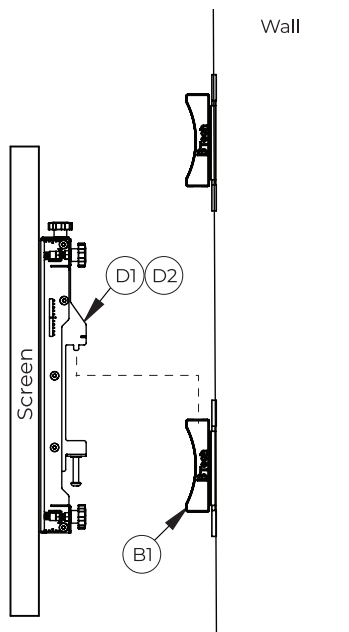
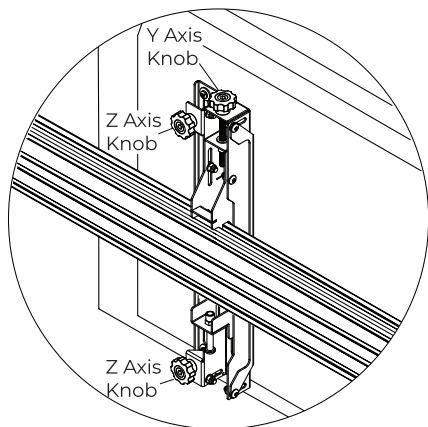


Assembly For Portrait Orientation



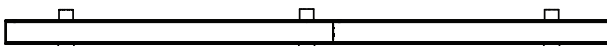
4. Hook Screen Onto Rail

- i. Hook the first screen onto the centre of the bottom rail and make sure the screen is aligned with the centre of *item B1*.

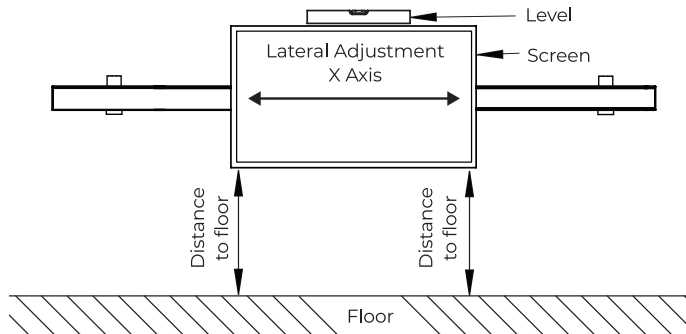


Note: Micro-adjustment of screens only available using BT8390-VESA400MAF interface arms, for screen levelling on Fixed and Tilt arms - see page 15.

- ii. Using a level, align the screen to the floor using the Y axis knobs.
- iii. Use the Z axis knobs to ensure screen is perpendicular with the floor.



Note: If mounting 3 or more screens across, mount the first screen centrally onto the bottom rail.



5. Hook The Remaining Screens Onto Rails

Starting from the bottom rail, hook the remaining screens onto rails using a plumb to align.

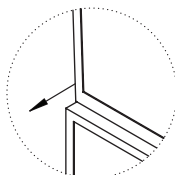
After mounting each screen use the Y & Z micro-adjustment knobs on the interface arms* items D1 & D2 to level and align screens.

Note: A 1mm gap between screens should be maintained.

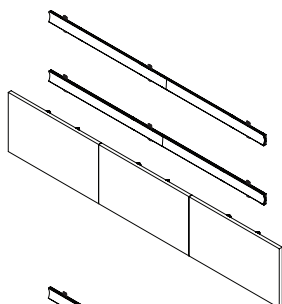
Use **Depth adjustment** (Z axis knobs) to align front of screens

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

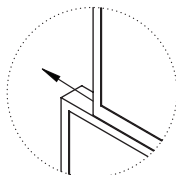
Use **Height adjustment** (Y axis knobs) to align bottom/top of screens



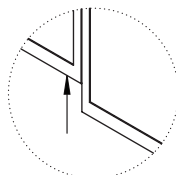
ii.



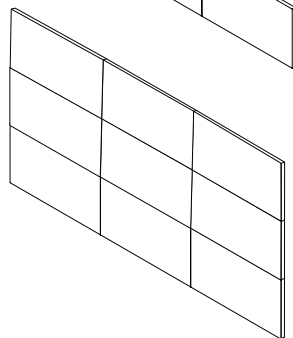
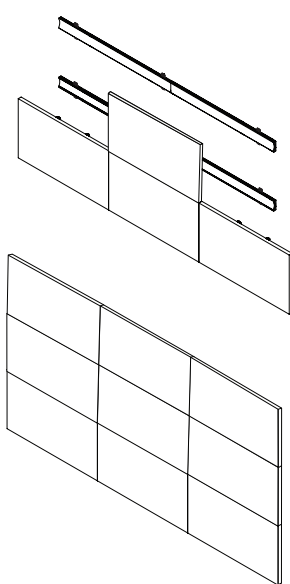
iv.



iii.



v.



*Only available when using the BT8390-VESA400MAF interface arms. To level the rows of screens using the fixed or tilt interface arms, use the height adjustment screws on top of the arms before mounting the next row of screens - see page 15

BT8390-VESA400MAF

Y Axis
Knob

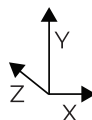
Z Axis
Knobs

Adjustment knobs
are also compatible
with 6mm allen key

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

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

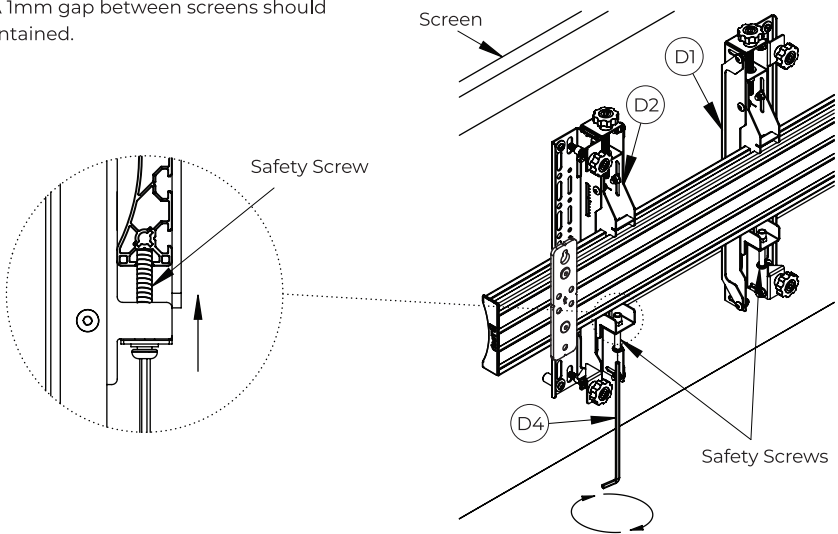
Note: Light pressure in
the desired direction of
travel will assist in the
adjustment of knobs when
using heavier screens



6. Secure Interface Arms To The Rail

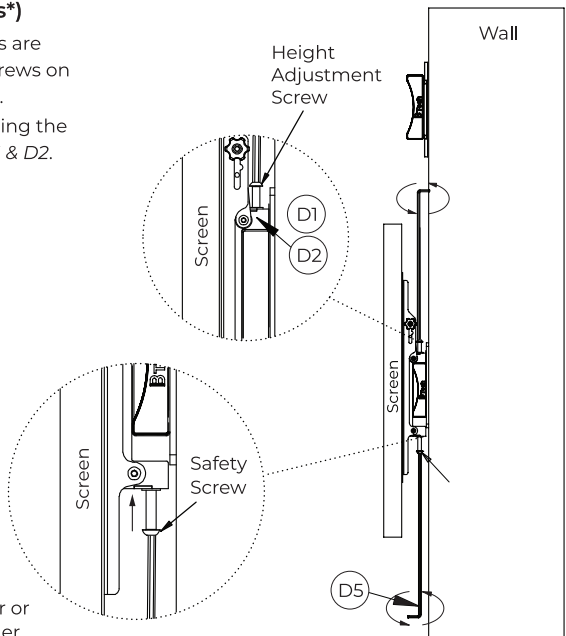
Once screens are aligned tighten the safety screws on the bottom of *items D1 & D2*, securing the arms to the rail.

Note: A 1mm gap between screens should be maintained.



Secure Screens (Fixed And Tilt Arms*)

- If necessary, after the first row of screens are mounted use the height adjustment screws on top of *items D1 & D2* to level the screens.
- Secure the screens to the rail by tightening the safety screws on the bottom of *items D1 & D2*.
- Repeat for each row of screens.



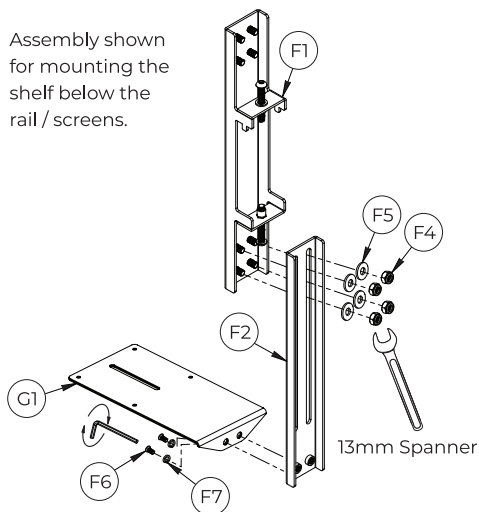
Warning! Contact a professional AV installer or other suitably qualified person for any further operation or removal of equipment after installation.

Optional Component Accessories

Installing A Camera Shelf

- i. Attach *item F2* to *item F1* using *items F4 & F5*.
- ii. Attach *item G1* to *item F2* using *items F6 & F7*.

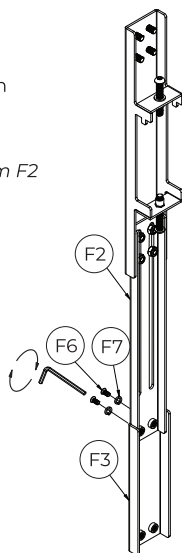
Assembly shown for mounting the shelf below the rail / screens.



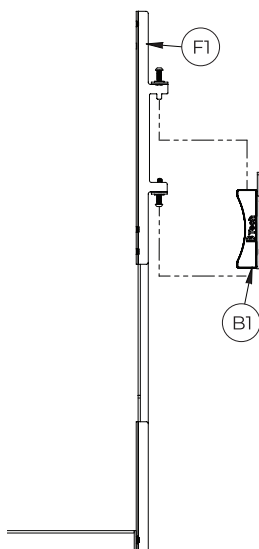
Note: Assemble accessory arm onto the mounting rail before mounting screens to rail.

Optional Add Extension Bar

- i. For an extended reach attach *item F3* onto *item F2*.
- ii. Attach *item G1* to *item F2* using *items F6 & F7*.

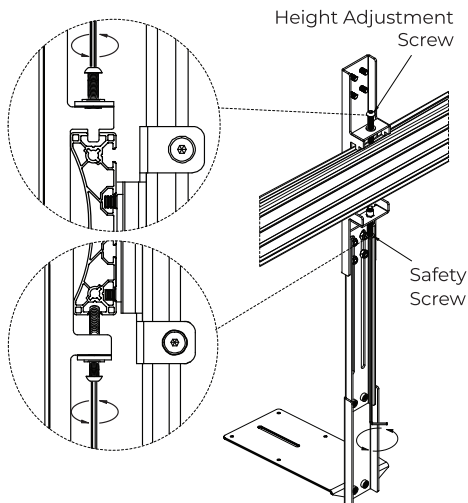


- iii. Hook *item F1* onto *item B1*.



- iv. Secure shelf to rail.

Optional: Level the shelf bracket by using height adjustment screw on *item F1*. Use the safety screw underneath the hook arm to secure the shelf bracket to rail.



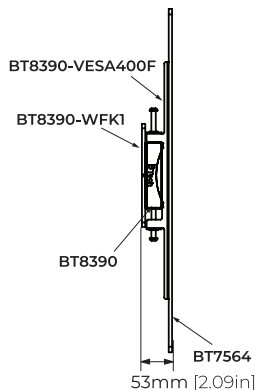
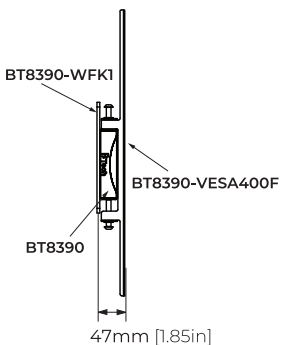
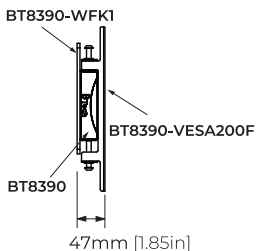
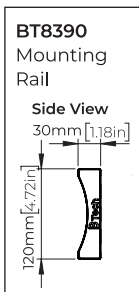
- v. Use *items G2 & G3* to fix a camera to *item G1*.

BT8340 Dimensions

Please keep this for future reference

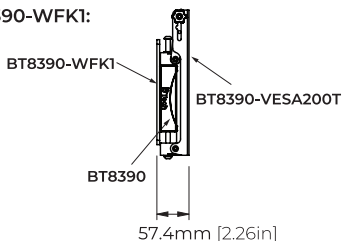
Depending on installation requirements, the BT8340 Video Wall Mounting Kit will feature a selection of the following products.

Depth of install using fixed interface arms

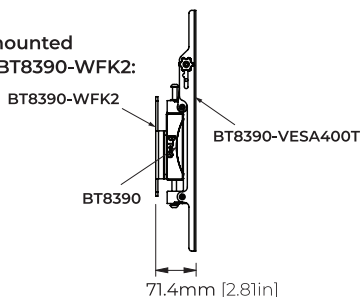


Depth of install using interface arms with tilt

Wall mounted using BT8390-WFK1:

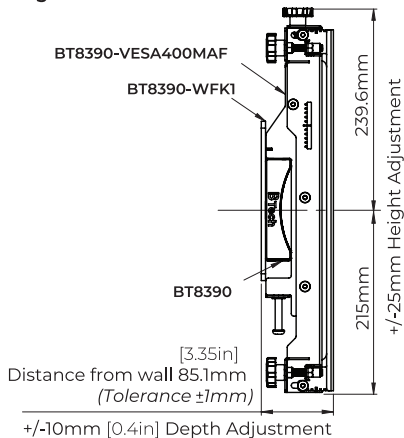


Wall mounted using BT8390-WFK2:

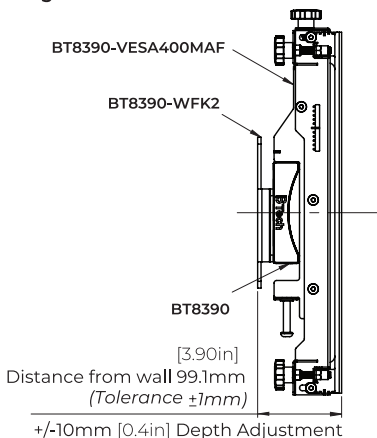


Depth of install using interface arms with micro-adjustment

Wall mounted using BT8390-WFK1:



Wall mounted using BT8390-WFK2:



These instructions are intended as a guide only and B-Tech accepts no liability for the accuracy of the information contained in this document.

BT8340 Dimensions

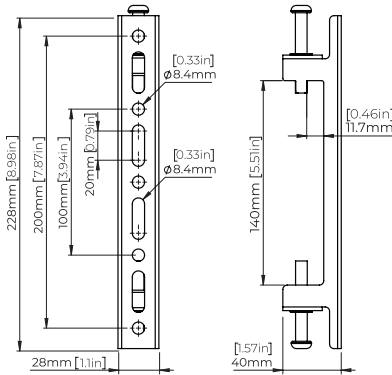
Please keep this for future reference

Depending on installation requirements, the BT8340 Video Wall Mounting Kit will feature a selection of the following products.

Interface Arms

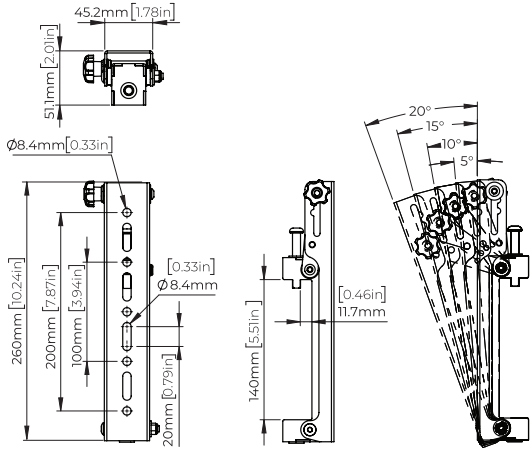
BT8390-VESA200F

Fixed VESA 200mm Interface Arms



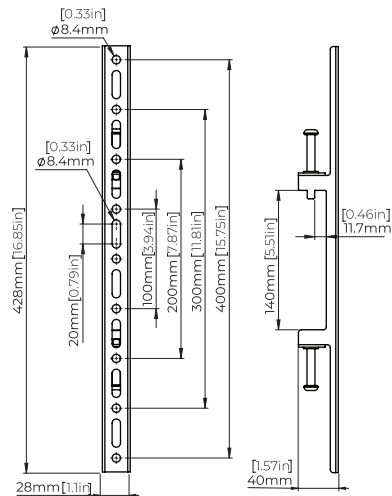
BT8390-VESA200T

VESA 200mm Interface Arms with Tilt



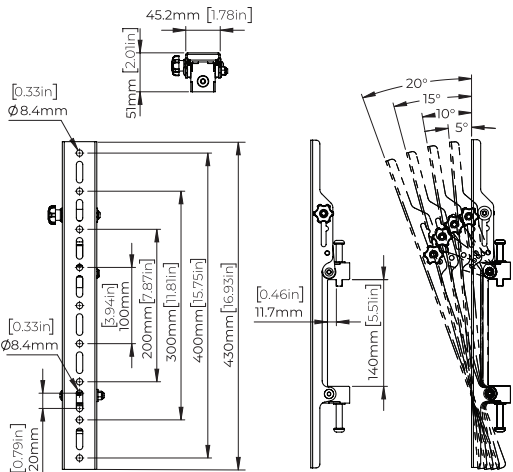
BT8390-VESA400F

Fixed VESA 400mm Interface Arms



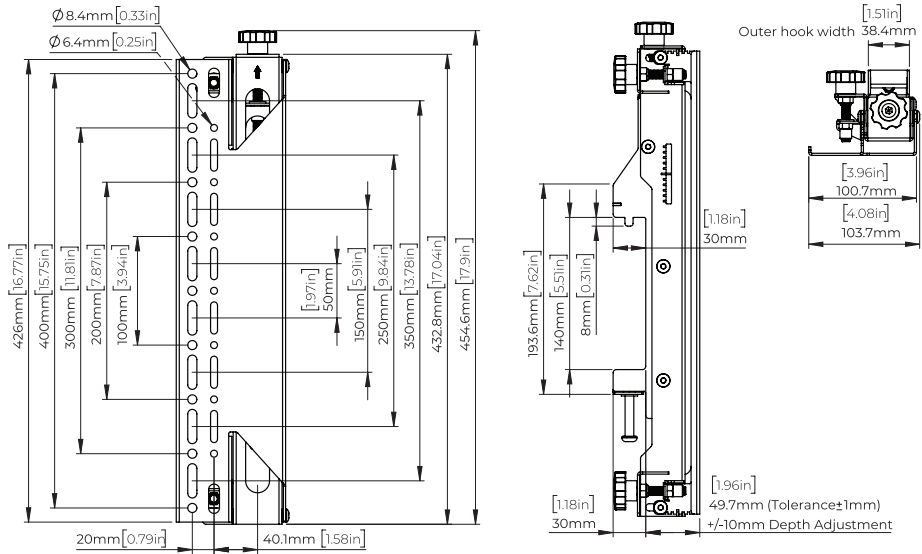
BT8390-VESA400T

VESA 400mm Interface Arms with Tilt



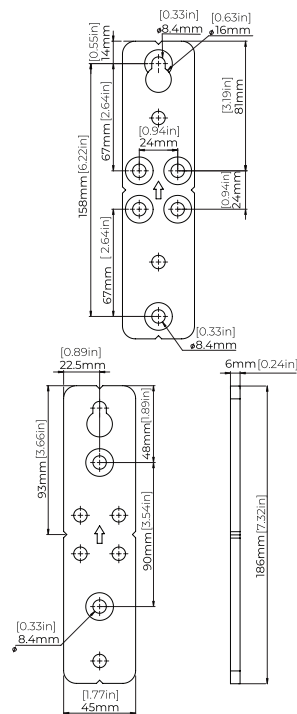
BT8390-VESA400MAF

Fixed VESA 400mm Interface Arms with Micro-Adjustment

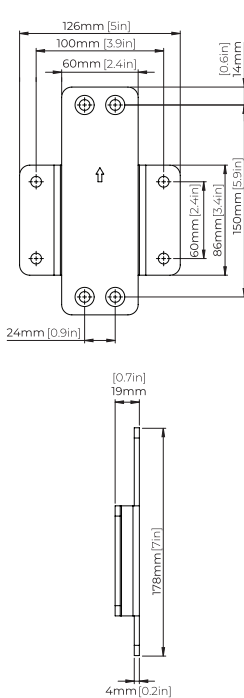


**Wall
Fixing
Kit**

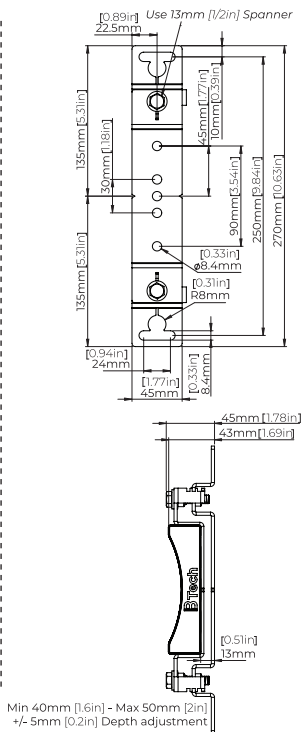
BT8390-WFK1
Rail Fixing Kit - Ultra Slim



BT8390-WFK2
Rail Fixing Kit



BT8390-WFK5
Adjustable Rail Fixing Kit



BT8340

Contact: info@btechavmounts.com

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