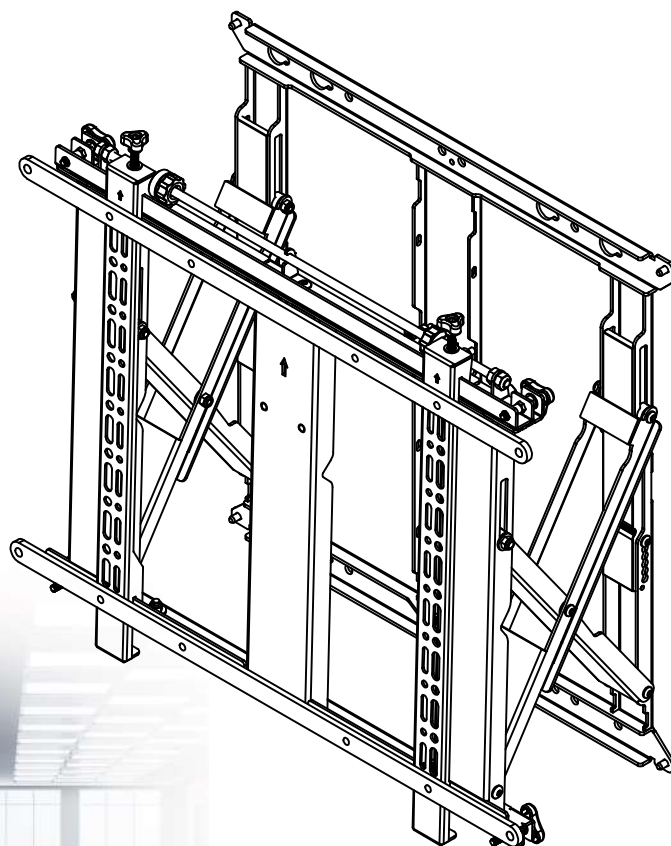


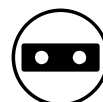
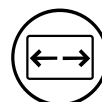
BT8312

SLIMLINE SOFT-OPEN FULL SERVICE VIDEOWALL MOUNT INSTALLATION GUIDE



SPECIFICATIONS

- Designed for screens up to 50kg (110lbs)
- Recommended screen size 42" - 70"
- Modular mount for unlimited video wall displays
- Fits screens with VESA® mounting patterns from 200 x 100mm up to 600 x 400mm
- Suitable for landscape or portrait screen mounting
- Tool-less micro-adjustment at 8 points for a seamless alignment of the wall display
- Pop-out system with soft opening provides quick and easy service access



CONTENTS

Installation Safety Notes.....	2
Parts List.....	4
Installation Instructions.....	5
Recess Mounting	13
Pole Mounting	14
Product Dimensions.....	15
B-Tech Contact Details.....	16

INSTALLATION SAFETY INSTRUCTIONS



CAUTION: This mount is intended for use only with the maximum weights indicated. Use with 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 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 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 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 wall prior to installation as some walls 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. If you install this product on drywall it must be securely fixed to a wooden stud, concrete block or other permanent structure behind the drywall board. Installing on drywall boards alone will not support the weight of most AV equipment.

When drilling holes in 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 wall 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.

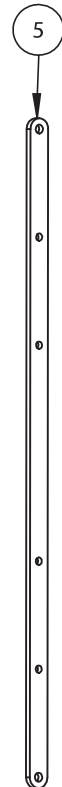
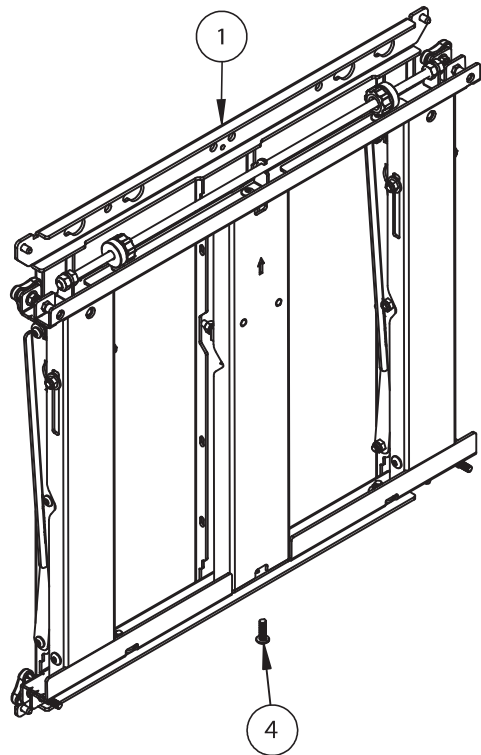
It is recommended that periodic inspections of the product and its fixing points are made as frequently as possible to ensure that safety is maintained. If in doubt consult a professional AV installer or other suitably qualified person.

- 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 odpov. ědnost za škody nebo zranění zp. ůsobená 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 eine geeigneten Untergrund montiert werden und darf nur bis zum angegebenen Höchstgewicht verwendet werden.
- EN** B-Tech AV Mounts recommends that a professional audio video installer or other suitably qualified person install this product. B-Tech AV Mounts, its distributors and dealers are not responsible for or responsible for any damage or injury caused by improper installation. This product must be mounted on a suitable structure and it should only be used supporting the maximum weight indicated.
- 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 상해에 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-instalateur 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 dealerzy 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 او شخص مؤهل تأهيلا مناسباً لتركيب هذا المنتج. بي- تك للتجارة الدولية، موزعيها 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 لعدم الحد الأقصى للوزن المشار إليه.

BT8312 PARTS LIST

PLEASE KEEP THIS FOR FUTURE REFERENCE



ITEM	PART NAME	QTY
1	WALL MOUNT	1
2	LEFT INTERFACE ARM	1
3	RIGHT INTERFACE ARM	1
4	M6 x 20mm SCREW	1
5	600mm ADAPTOR ARM	2
6	M8 x 12mm SCREW	4
7	5AF HEX KEY	1
8	4AF LONG HEX KEY	1

INTERFACE KIT		
A	M6 x 16mm SCREW	4
B	M6 x 25mm SCREW	4
C	M6 x 40mm SCREW	4
D	M8 x 16mm SCREW	4
E	M8 x 25mm SCREW	4
F	M8 x 40mm SCREW	4
G	M6 WASHER	4
H	5mm SPACER	4
I	13mm SPACER	4
J	24mm SPACER	4

FIXING KIT		
A1	St8 x 63mm COACH SCREW	4
A2	M8 WASHER	4
A3	N°.10 WALL PLUG	4

Suitable for loads up to 50kg (110lbs)

INSTALLATION TOOLS REQUIRED

Drill



Drill bit

10mm (13/32") Masonry Bit
or 6mm (1/4") Wood Bit



Pencil



13mm (1/2") spanner
or socket



Crosshead
screwdriver



Level



Stud finder
(optional)

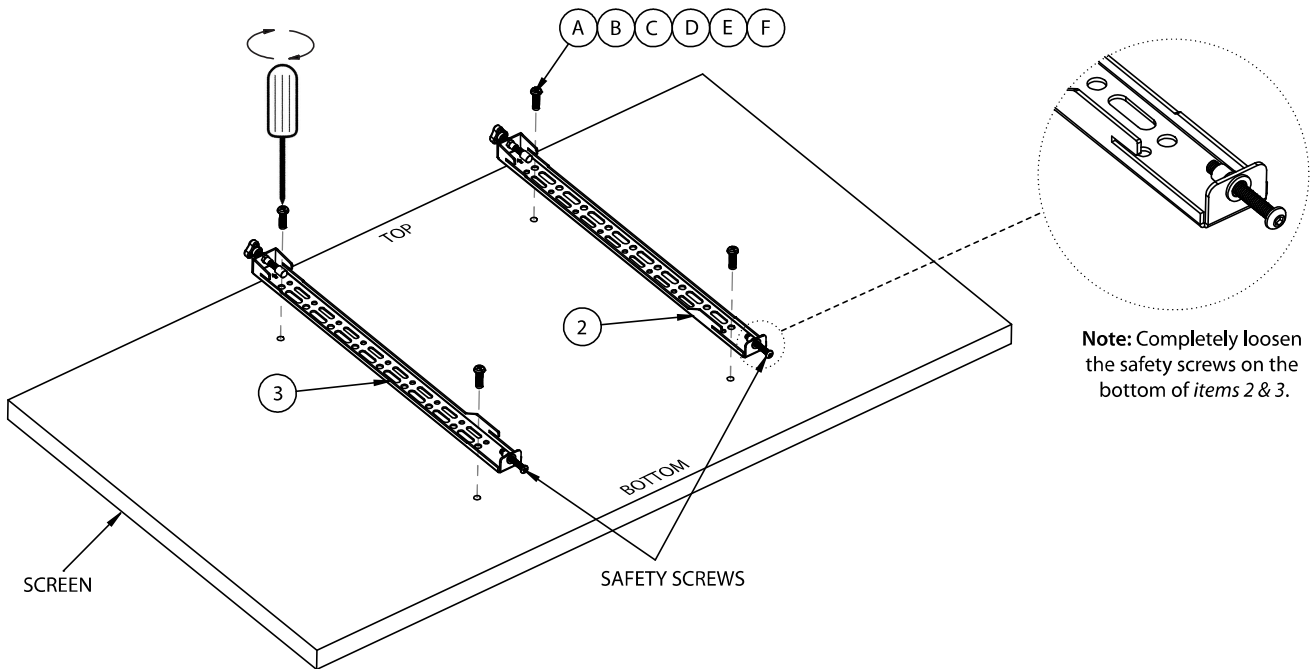


INSTALLATION INSTRUCTIONS

1. ATTACH INTERFACE ARMS TO THE SCREEN

Fix items 2 & 3 to the back of the screen using items A-J. Use item G with items A, B & C. Use spacers (items M, N, O & P) for screens with recessed fixings.

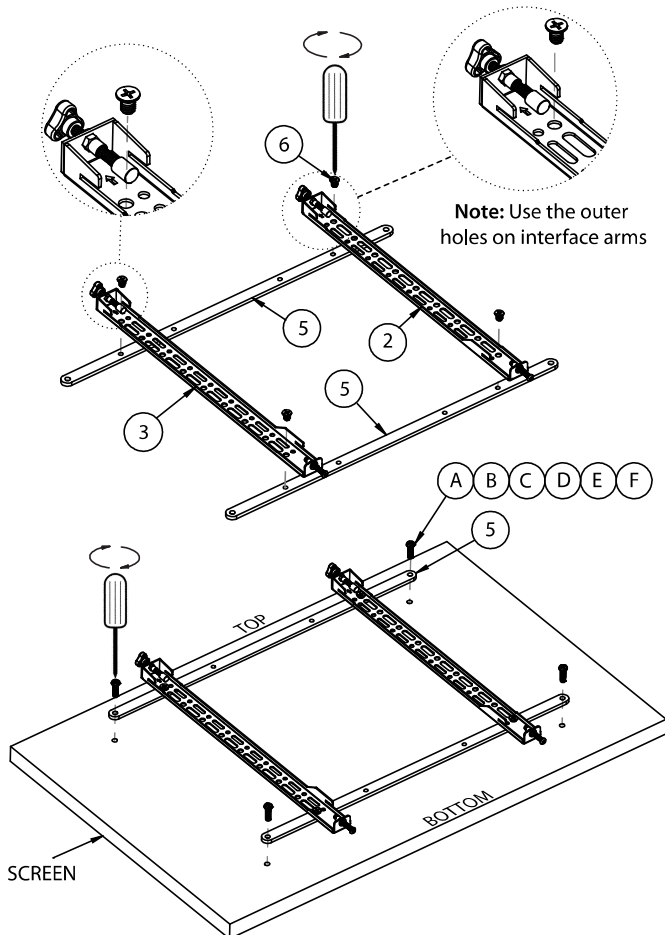
Note: Items 2 & 3 can mount screens with fixing patterns from 200 x 100mm up to 400 x 400mm.



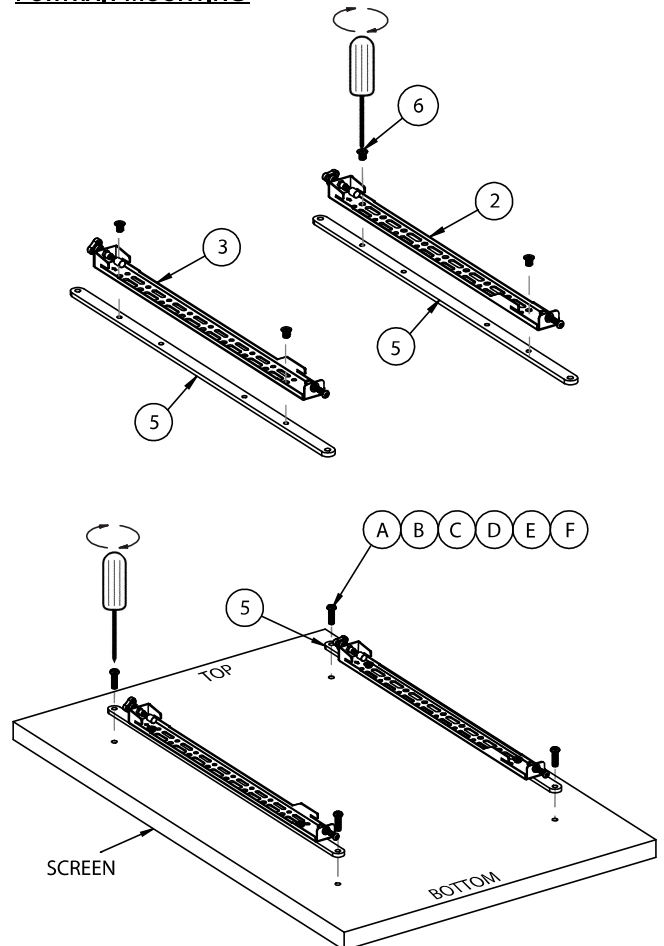
VESA® 600 INTERFACE ADAPTORS

To mount screens with VESA 600 x 400mm fixings attach item 5 to items 2 & 3 using item 6.

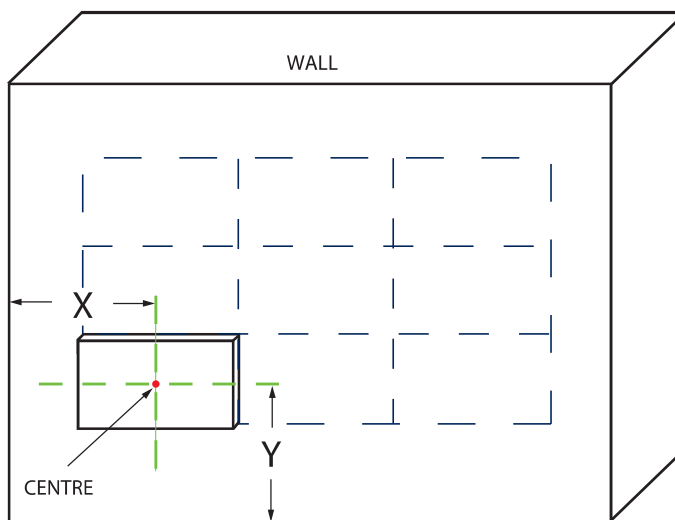
LANDSCAPE MOUNTING



PORTRAIT MOUNTING



Note: It is recommended to start the video wall installation from the bottom corner of the configuration.



Technical drawing of the 1000mm x 2000mm cabinet, showing front and side views with dimensions.

Front View Dimensions:

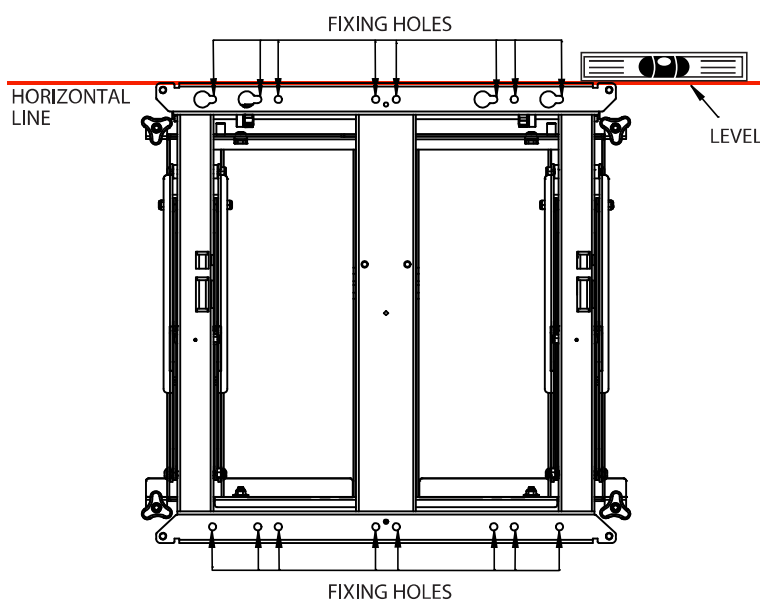
- Overall width: 1000mm (split into two 500mm sections by the center line).
- Overall height: 2000mm (split into two 1000mm sections by the center line).
- Internal width of each compartment: 444mm.
- Internal height of each compartment: 944mm.
- Distance from the center line to the top center hole: 269mm.
- Distance from the center line to the bottom center hole: 269mm.

Side View Dimensions:

- Overall depth: 600mm.
- Internal depth of each compartment: 544mm.

Labels:

- TOP CENTRE HOLE
- CENTRE



INSTALLATION REQUIREMENTS

On concrete walls insert suitable wall plugs / anchors flush to the wall. Avoid drilling into the mortar joints.

Drill holes at least 63mm deep. Space the wall fixings evenly across the wall mount.

Minimum distances between wall fixing screws: Width: 252mm / Height: 500mm

Only suitable for stud walls where the distance between the two studs centres are: 12" (300mm)

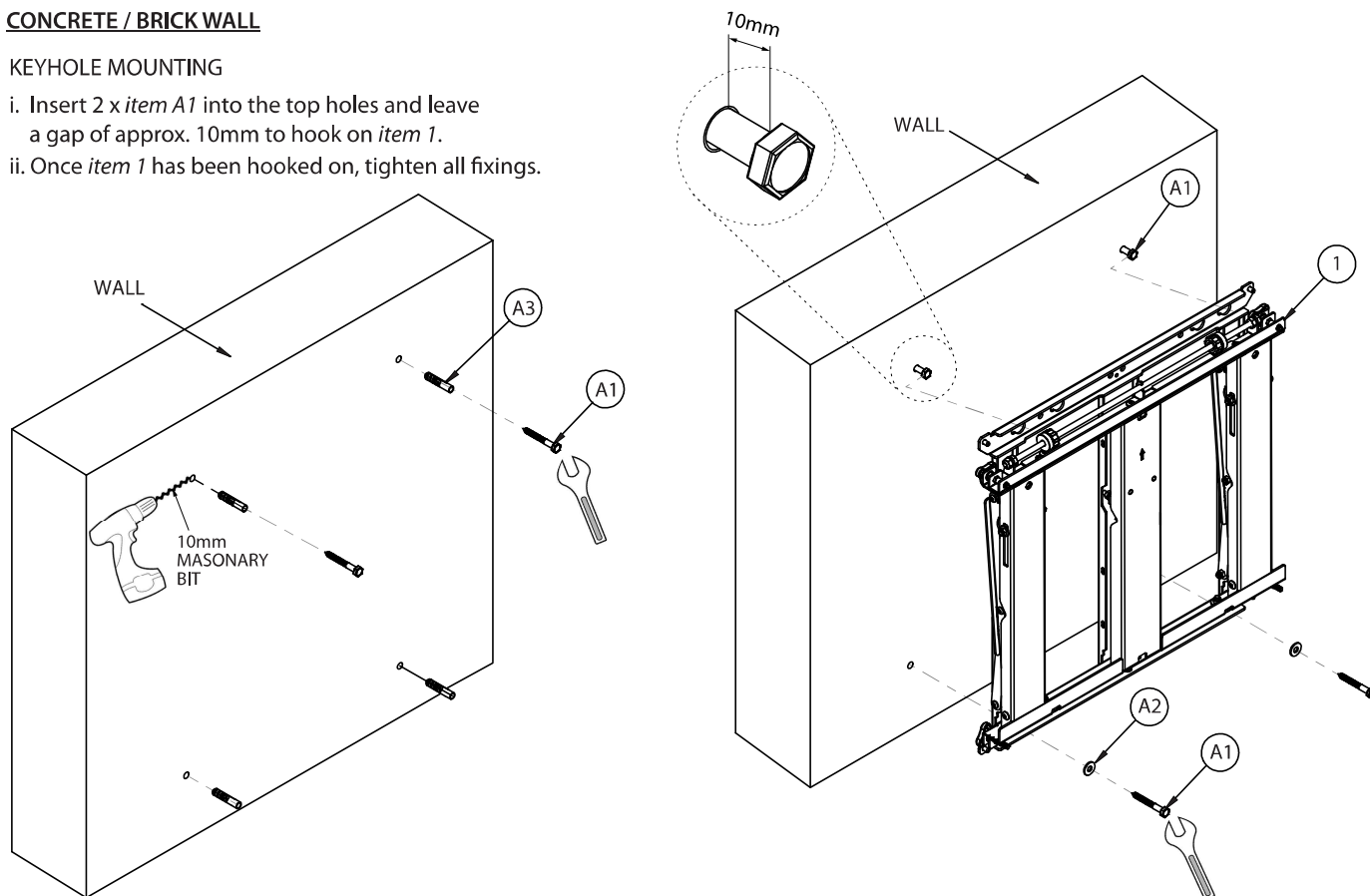
Where possible use the maximum distances to help spread the load of the installation.

Please refer to the technical drawing on *page 15* for more information.

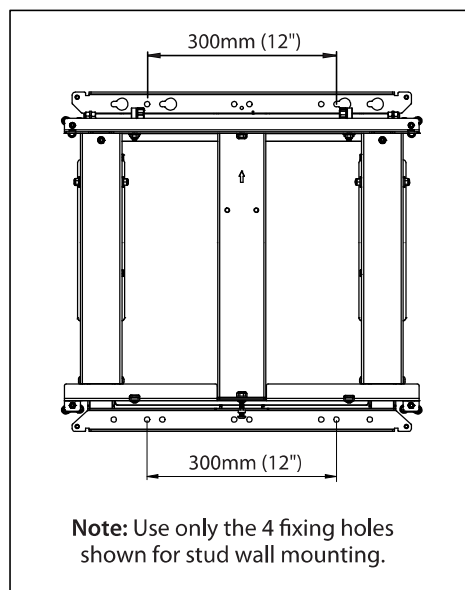
CONCRETE / BRICK WALL

KEYHOLE MOUNTING

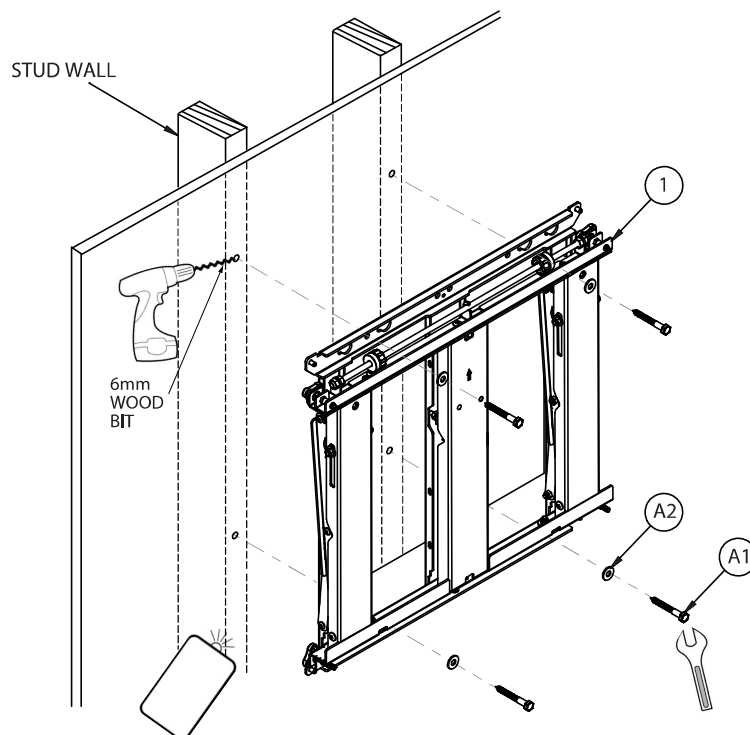
- Insert 2 x *item A1* into the top holes and leave a gap of approx. 10mm to hook on *item 1*.
- Once *item 1* has been hooked on, tighten all fixings.



WOOD / STUD WALL



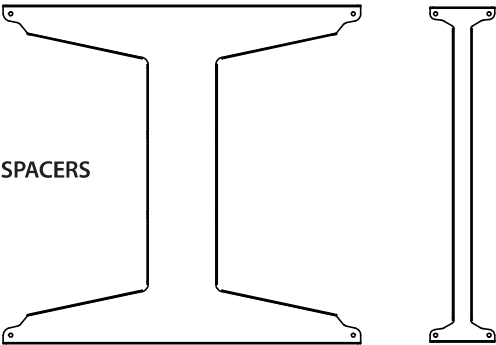
Note: Use only the 4 fixing holes shown for stud wall mounting.



Note: On stud walls use a stud finder to locate and mark stud centre lines.

MOUNTING SPACER KITS

For quick and easy installation of the video wall mounts, it is advised that a mounting spacer kit is used (*sold separately*).
A different kit is required for each different screen size.



SCREEN SIZE	SCREEN DIMENSIONS	SPACER
46"	1022 x 576mm	BT8312-SP461
46"	1025 x 579mm	BT8312-SP462
47"	1047 x 592mm	BT8312-SP471
49"	1077.6 x 607.8mm	BT8312-SP491
55"	1215 x 686mm	BT8312-SP551
55"	1211.4 x 682.2mm	BT8312-SP552
70"	1543.7 x 870.4mm	BT8312-SP701

For current spacer listings and compatible screen models please visit www.btechavmounts.com/BT8312



Example of landscape screen mounting with spacers.

i. Always start from the bottom corner of the video wall configuration.

ii.

iii.

iv.

v.

vi.

Example of portrait screen mounting with spacers.

i. Always start from the bottom corner of the video wall configuration.

ii.

iii.

iv.

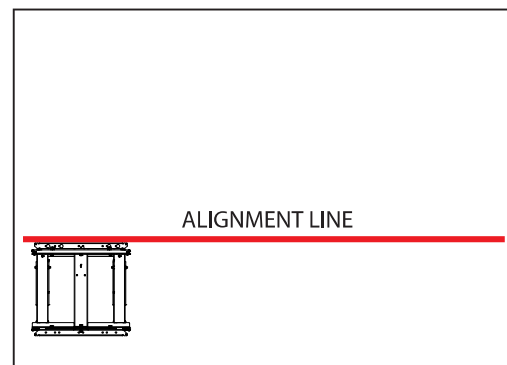
v.

vi.

3. INSTALLATION & ALIGNMENT OF THE ADDITIONAL MOUNTS

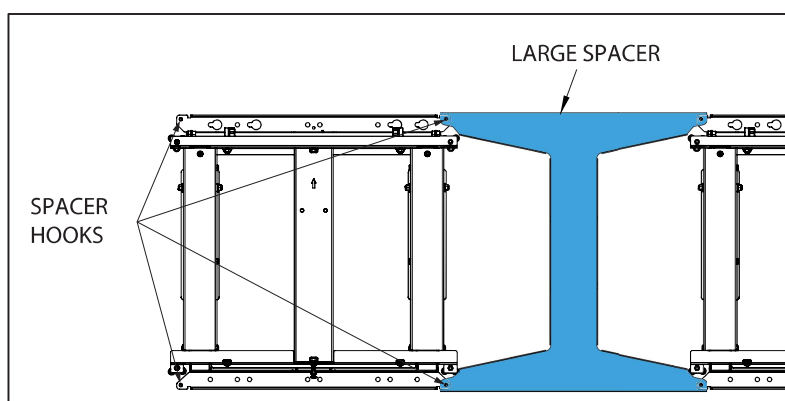
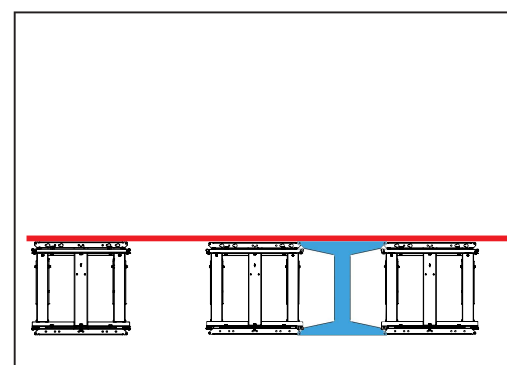
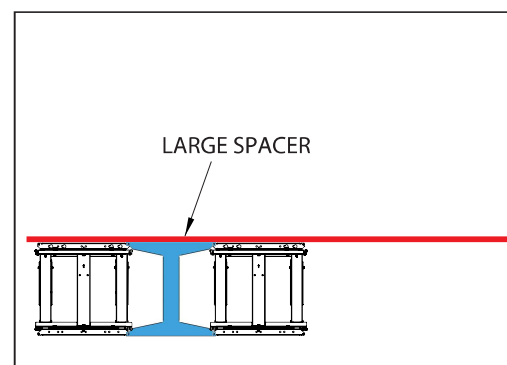
- i. Once the first wall mount has been installed, draw a horizontal alignment line or use a laser level to get the alignment line as shown.

Note: Installation shows screens being mounted in a landscape orientation.



- ii. Using the large spacer, place the second wall mount as shown whilst being careful to keep on the alignment line.

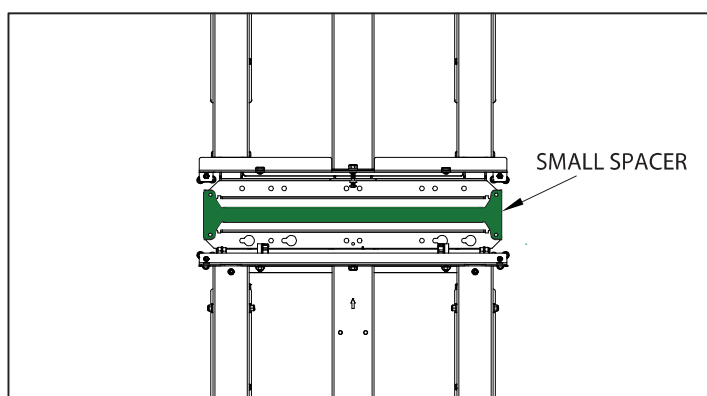
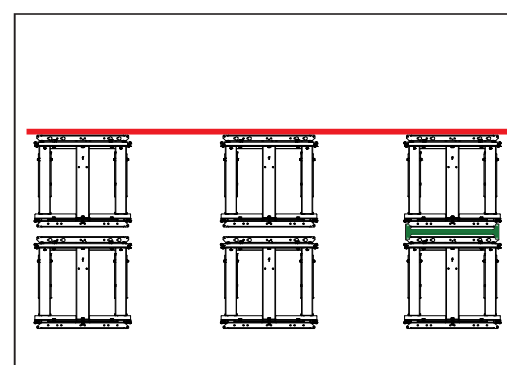
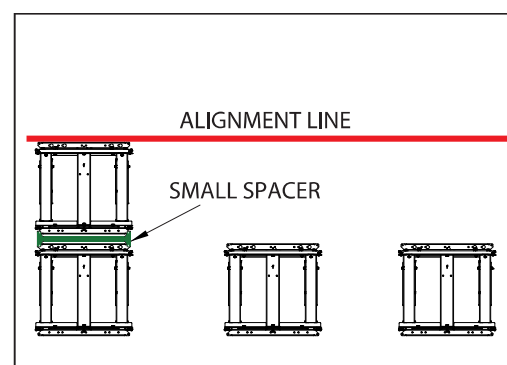
Repeat this step to mount the additional wall mounts on this row.



- iii. Using the small spacer, place the first wall mount of the next row.

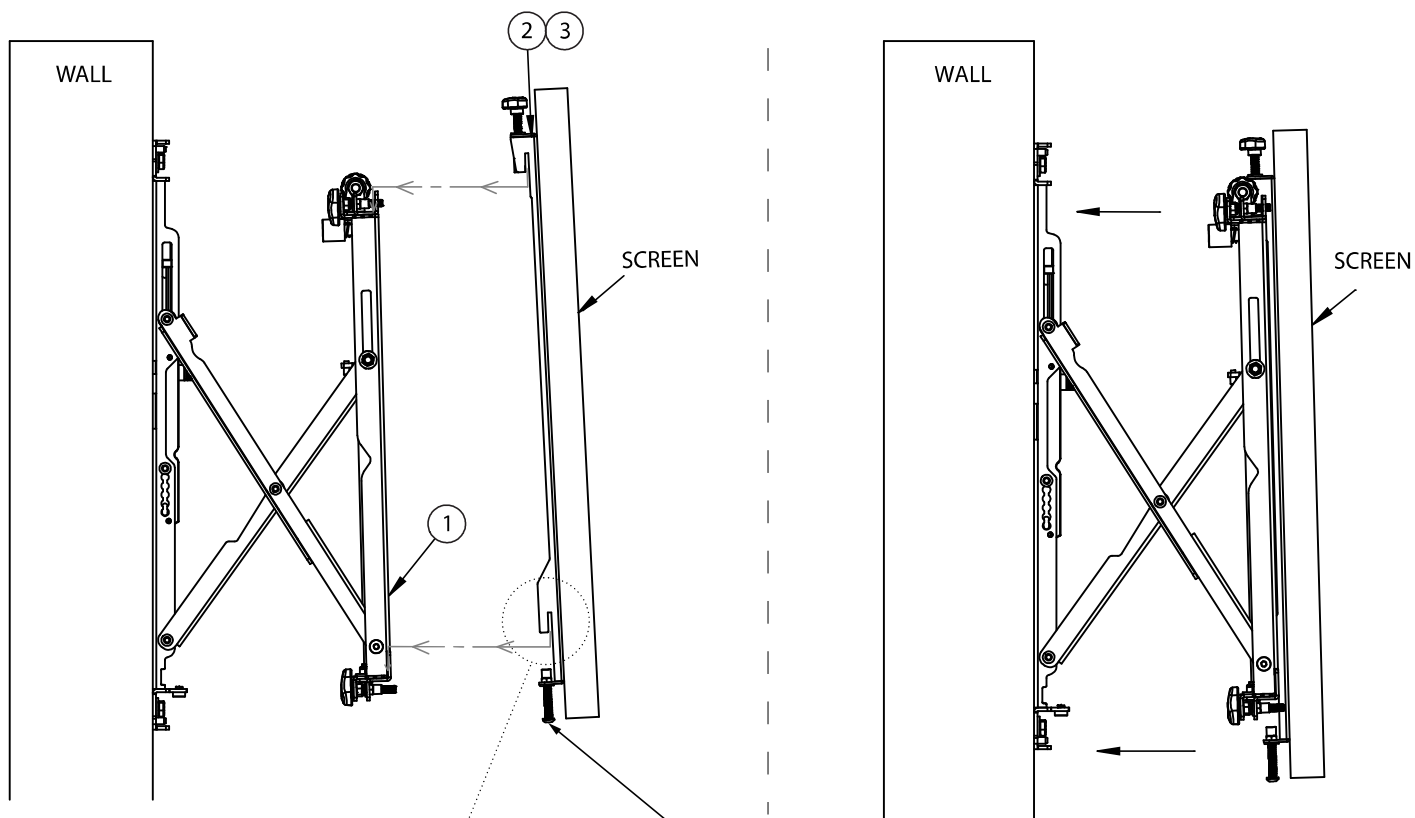
Draw another horizontal alignment line or use a laser level to get the alignment line as shown.

Mount the additional wall mounts.



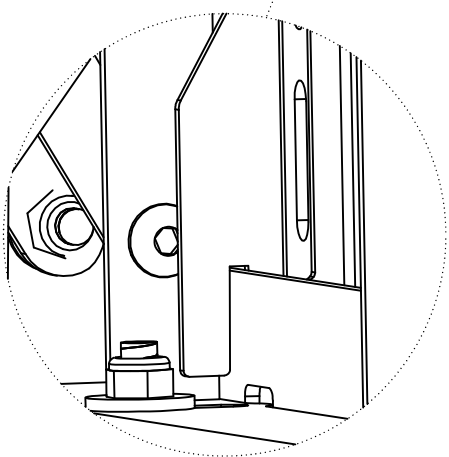
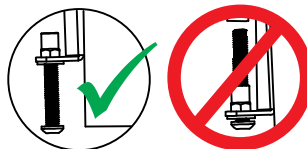
4. MOUNT FIRST SCREEN ONTO WALL PLATE

Hook the first screen onto the bottom left wall plate (*item 1*), keep the X axis adjustment knobs between the middle of the two interface arms (*items 2 & 3*).

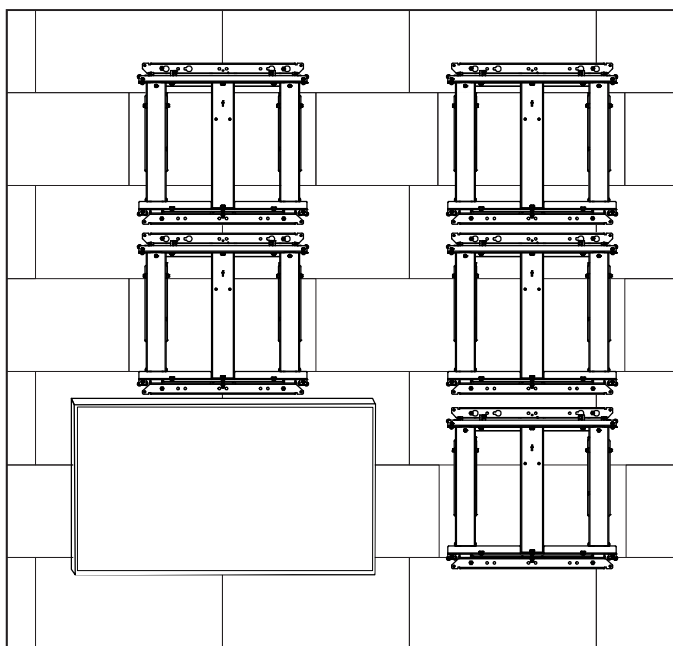


Note: Popped out position is optional. Screens can also be mounted if the bracket is closed.

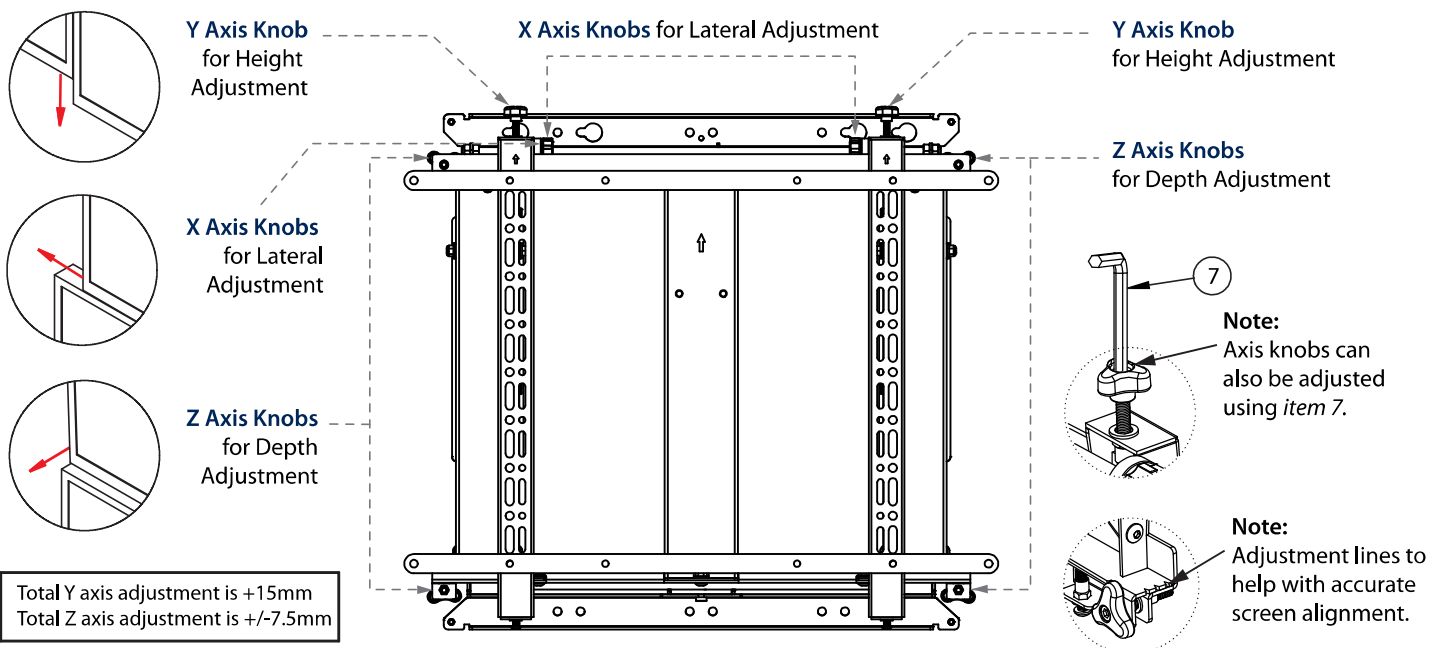
Important: Safety screws need to be in the unlocked position. Tighten safety screws once all screens are mounted and aligned with each other.



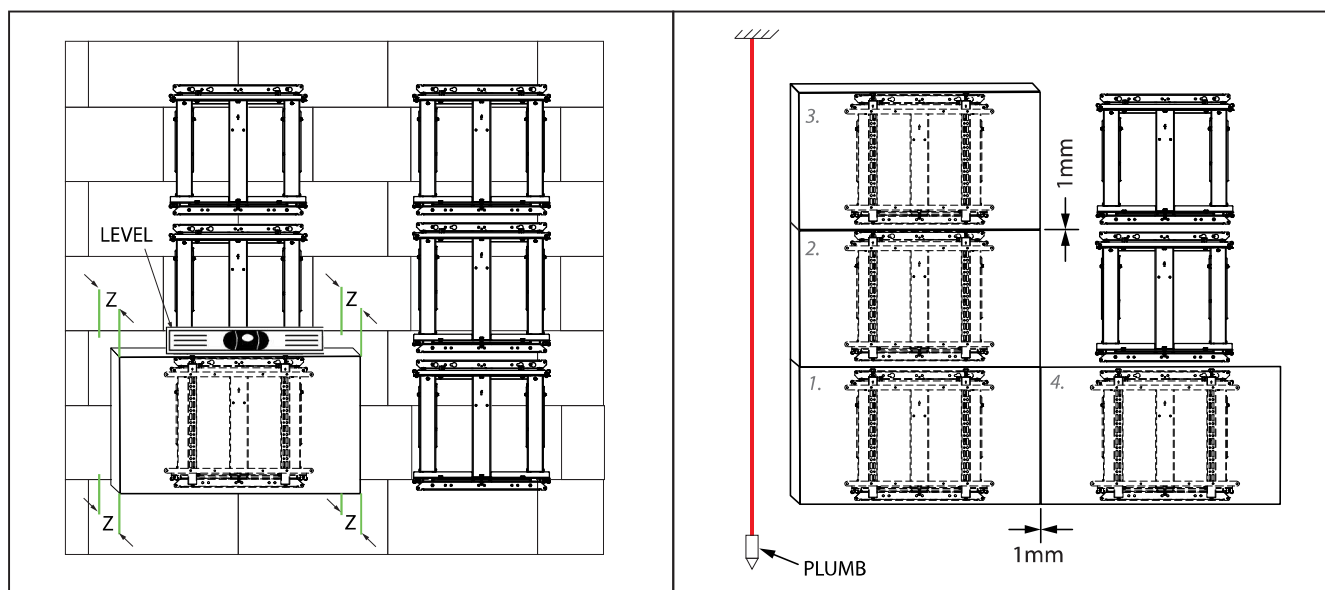
Note: Ensure the bottom interface arm hooks are properly mounted onto the wall plate.



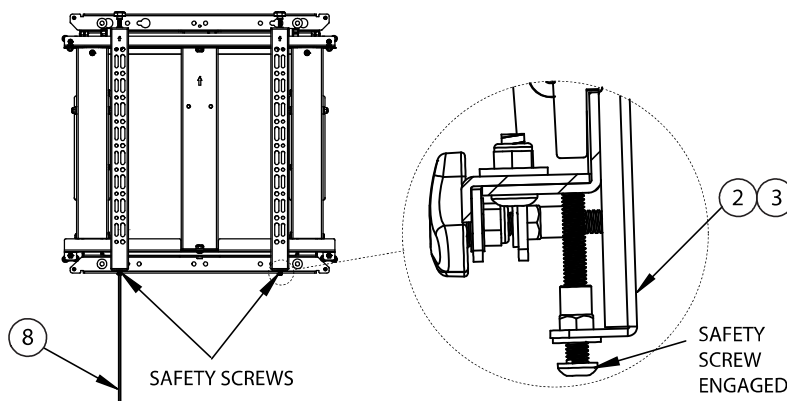
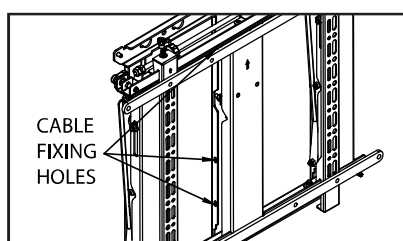
5. SCREEN ALIGNMENT WITH MICRO-ADJUSTMENT



- Check the horizontal centre of the screen is aligned with the horizontal centre of the wall mount.
- Height Adjustment:** Using a level, align the screen parallel to the floor using the Y axis knobs.
- Corner Depth Adjustment:** Use the Z axis knobs to ensure that each corner of the screen is equidistant from the wall.
- Use a plumb to align the first column of screens and leave at least a 1mm gap between them.
- Hook on the remaining screens leaving at least a 1mm gap between them.

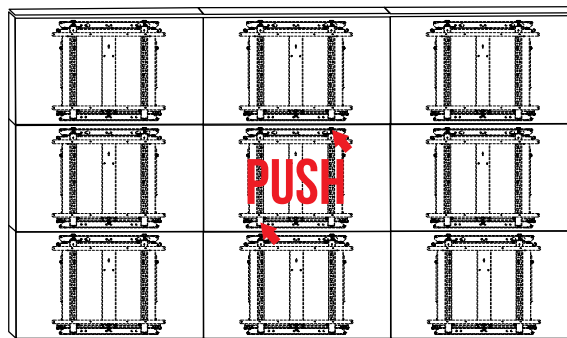
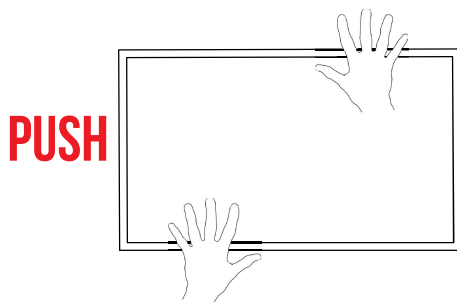


- When the screens are all positioned correctly, tighten the safety screws on the bottom of items 2 & 3.
- Fix cables using the cable fixing holes and cable ties if required.



6. SERVICING THE SCREENS

- i. To service the screen, push the screen and the mount will release and move out from the wall.
Be careful not to damage the screen when pushing.

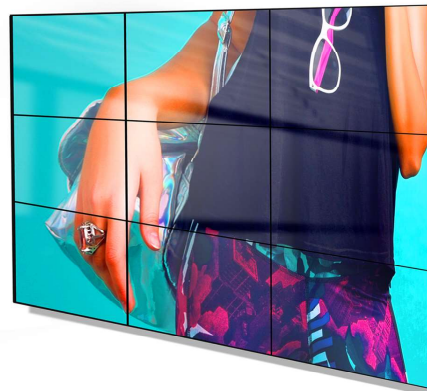


Note: Push at the top and bottom of the screen on the bezel. To avoid any screen flexing (and when spacers have been used) apply light pressure in-line with the interface arms, pushing alternative arms at the top and bottom simultaneously.

- ii. Screen shown in the service position.



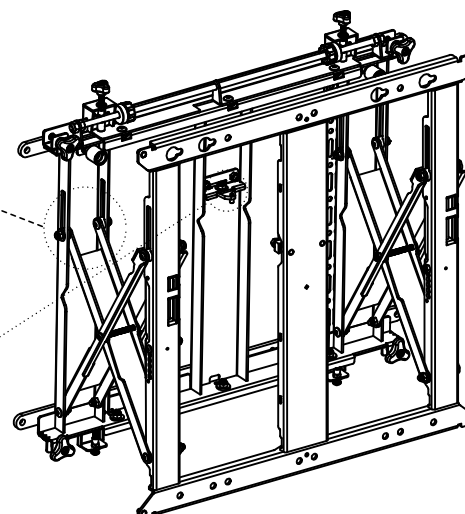
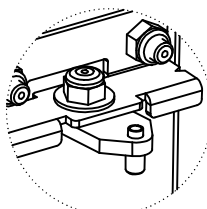
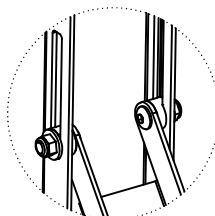
- iii. When servicing is complete, push the screen back and click into place.



OPTIONAL:

Adjustment can be made to ensure these parts move freely.
If overtightened it will negatively affect the pop-out/in function of the product.
If too loose, it will create lateral wobble.

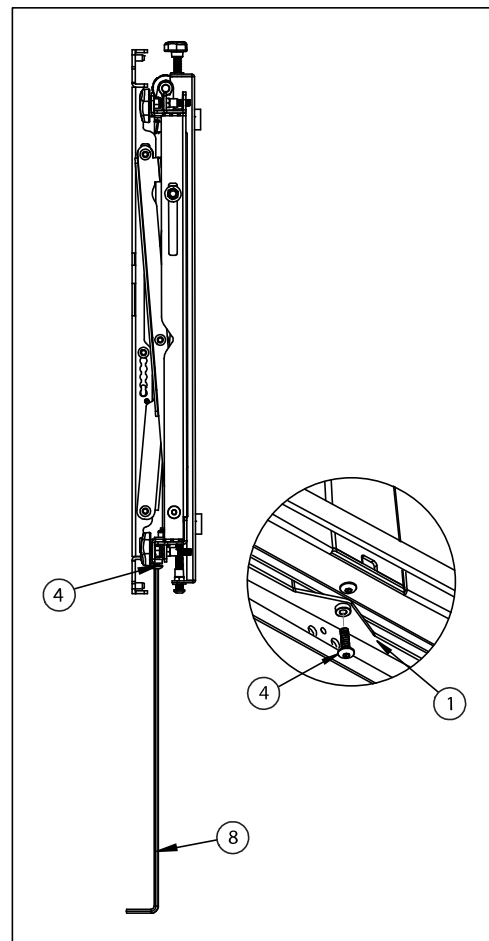
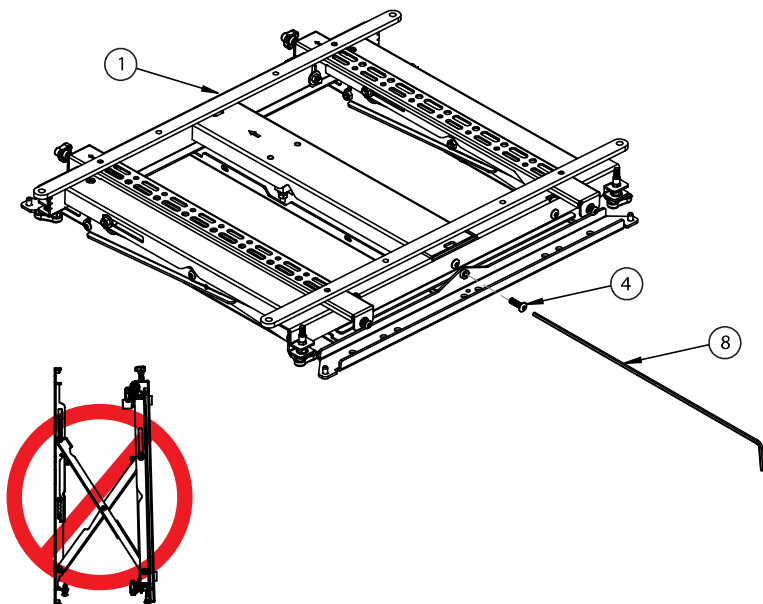
Note: If the pop-out function of the bracket is not operating, check that the locking screw (item 4) has not been engaged - see page 13.



LOCKING SCREW INSTALLATION

If this mount is used in public areas, a locking screw (*item 4*) is available to prevent the mount from popping out accidentally.

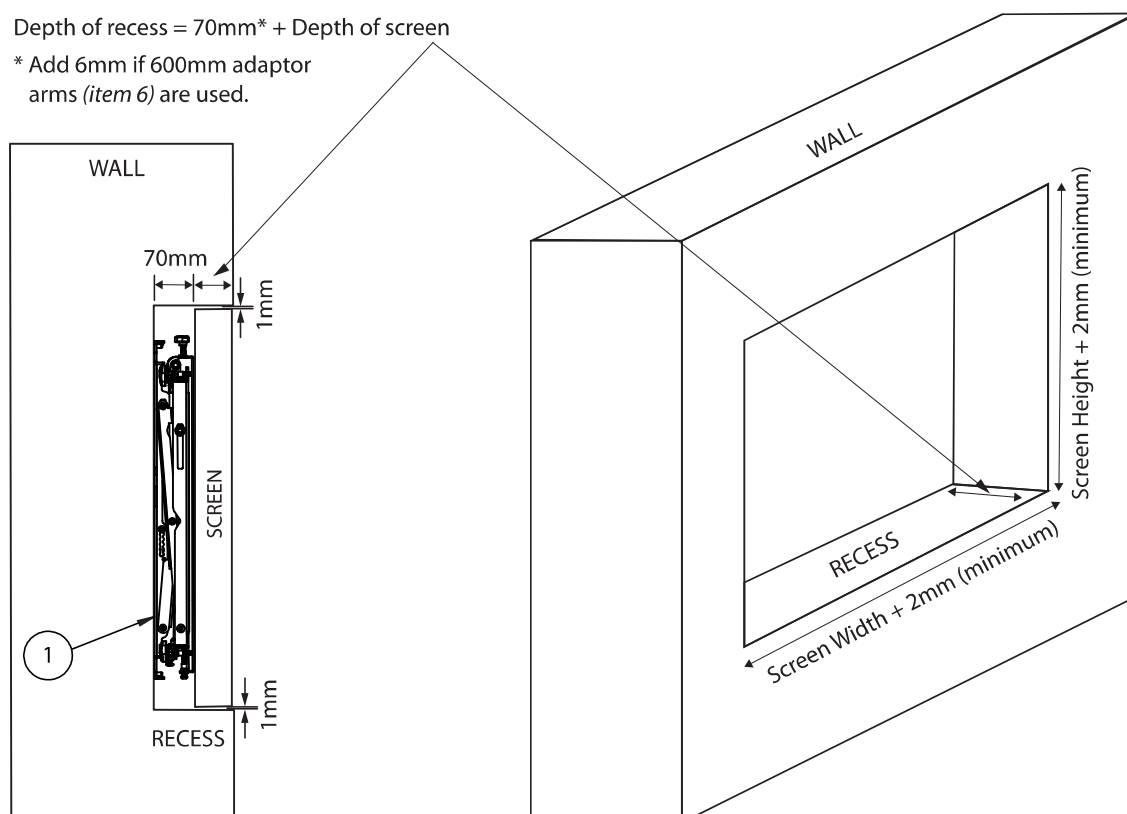
Note: Ensure *item 1* is in the closed position before inserting *item 4*.



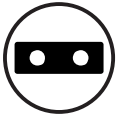
RECESS MOUNTING

Depth of recess = 70mm* + Depth of screen

* Add 6mm if 600mm adaptor arms (*item 6*) are used.



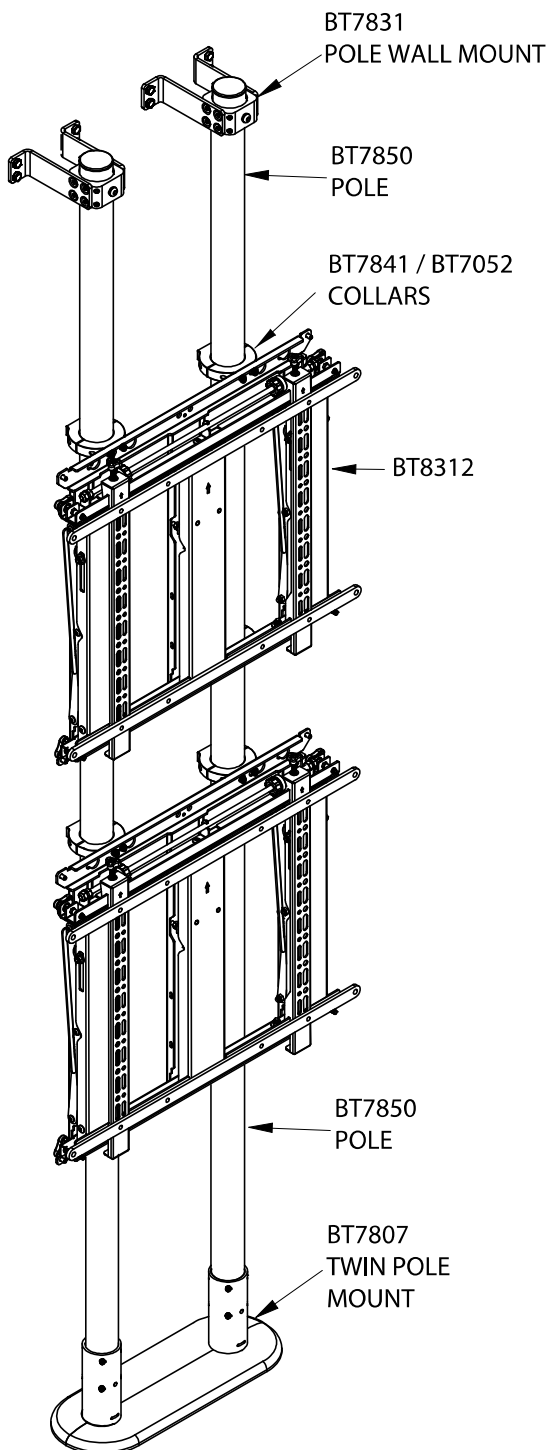
ALTERNATIVE POLE MOUNTED INSTALLATIONS



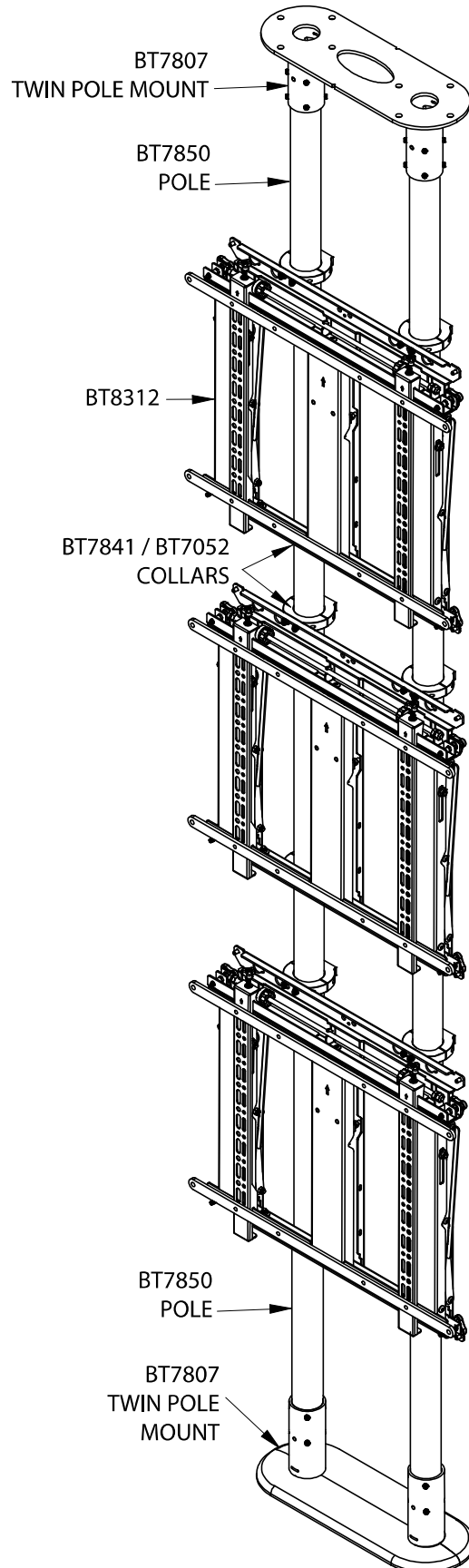
SYSTEM 2

The BT8312 is compatible with the System 2 range of professional install products from B-Tech.

FLOOR-TO-WALL POLE INSTALLATION



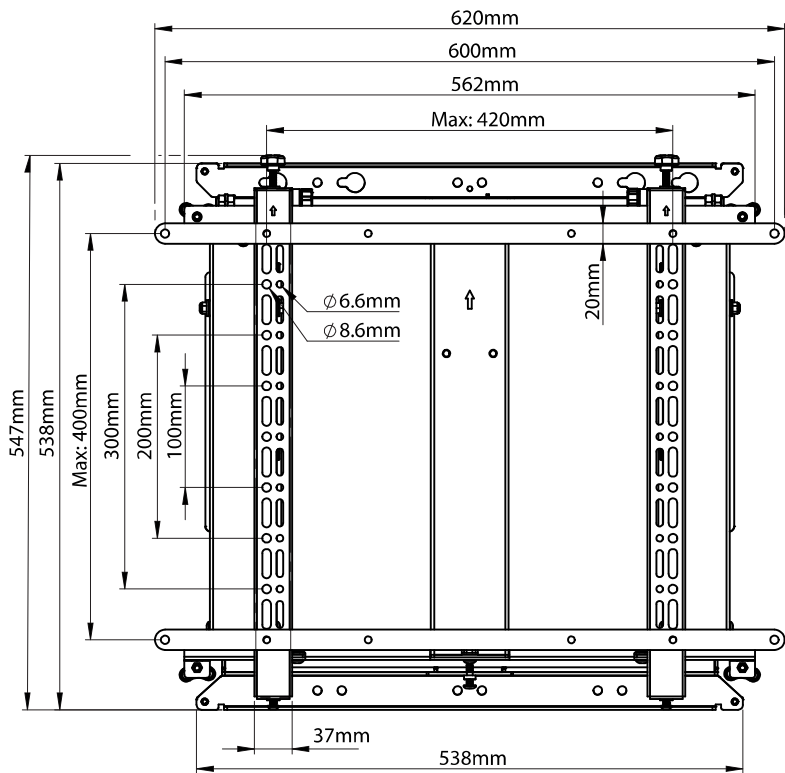
CEILING-TO-FLOOR POLE INSTALLATION



BT8312 PRODUCT DIMENSIONS

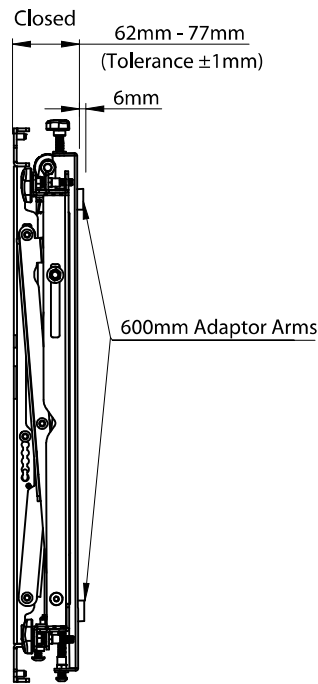
PLEASE KEEP THIS FOR FUTURE REFERENCE

FRONT VIEW

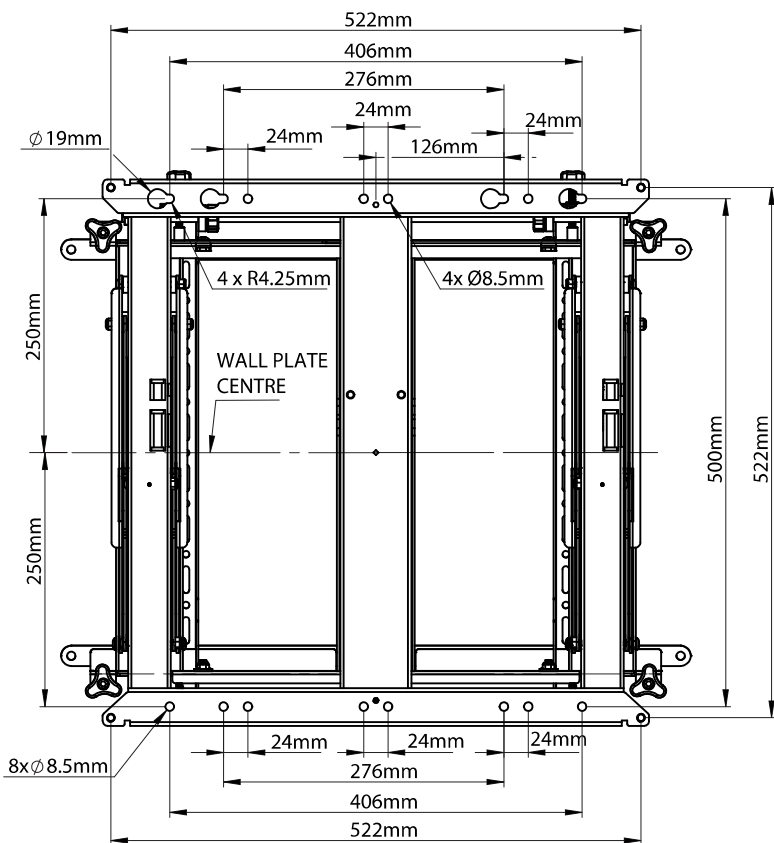


SIDE VIEW

CLOSED STATE

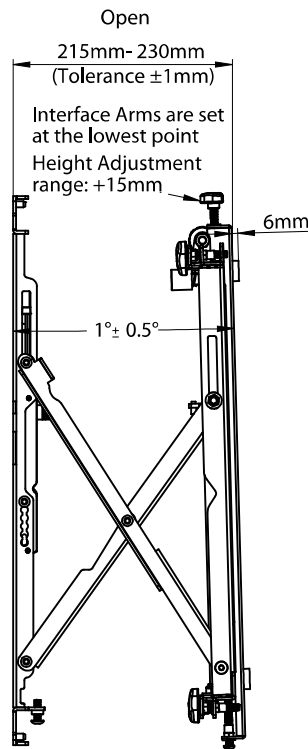


REAR VIEW



SIDE VIEW

OPEN STATE





WARNING
FIX / TIE THE CABLES TO
PREVENT POSSIBLE DAMAGE

THESE INSTRUCTIONS ARE INTENDED AS A GUIDE ONLY AND B-TECH ACCEPTS NO LIABILITY FOR THE ACCURACY OF THE INFORMATION CONTAINED IN THIS DOCUMENT

**CONTACT:**info@btechavmounts.com

©2020 B-Tech International Design & Manufacturing Ltd. All rights reserved.

B-Tech AV Mounts is a division of B-Tech International Design & Manufacturing Ltd. B-Tech AV Mounts and the B-Tech logo are registered trademarks. All B-Tech images and symbols are exclusive property of B-Tech International Design & Manufacturing Ltd. All other brands and product names are trademarks of their respective owners. Any reproduction or retransmission or republication of any part of this manual is strictly prohibited, unless prior written permission has been granted by B-Tech International Design & Manufacturing Ltd. All other brands and product names are trademarks of their respective owners. Photographs are for illustrative purposes only. E&OE.

AMA-BT8312-V2-1220-110 MADE IN VIETNAM

REGISTERED DESIGN

