BT8331

SYSTEM X™

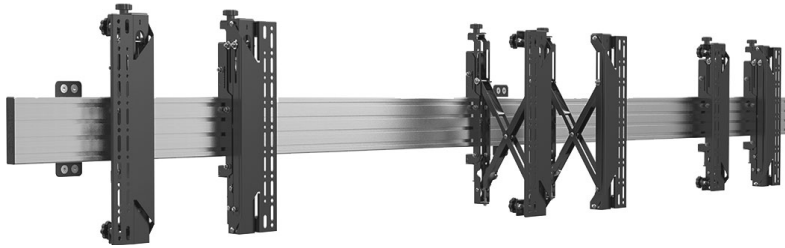## UNIVERSAL POP-OUT MENU BOARD MOUNTING SYSTEM

INSTALLATION GUIDE & PARTS LIST

This Pack Contains 1 Wall Mounting Kit

PLEASE KEEP THIS FOR FUTURE REFERENCE

B TECH®
BETTER BY DESIGN™

FEATURES

- Universal multi-screen wall mount suitable for all screens
- Max weight per screen: 50kg (110lbs)
- Suitable for landscape or portrait mounting
- Features pop-in, pop-out function to allow access to the rear of screens for servicing and maintenance and to aid installation
- Depth to wall: 104mm (+/-10mm micro-adjustment)
- Tool-less micro-adjustments for seamless display alignment
- Safety screws help prevent unauthorised removal of screens
- All mounting hardware included

Configurations may differ from the ones shown in this installation manual

50kg
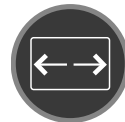
PER SCREEN

CONTENTS

INSTALLATION TOOLS REQUIRED

Crosshead screwdriver	Drill	Drill bit	Pencil	Level	Stud finder (optional)
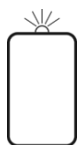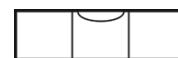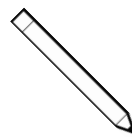
B-TECH AV MOUNTS

www.btechavmounts.com

INSTALLATION SAFETY INSTRUCTIONS

⚠️ **CAUTION:** This 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 Limited, 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 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. 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.

CS

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

DE

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ES

B-Tech International Ltd. recomienda que un instalador de audio y video profesional u otra persona debidamente cualificada instalen este producto. B-Tech International Ltd, 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 International Ltd. recommande de confier l'installation de ce produit à un installateur AV professionnel ou à une autre personne dûment qualifiée. B-Tech International Ltd, 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

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NL

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PL

Firma B-Tech International Ltd. zaleca, aby ten produkt był instalowany przez profesjonalnych instalatorów AV lub inny odpowiednio przeszkolony personel. Firma B-Tech International Ltd, jej dystrybutorzy i dealerzy nie ponoszą odpowiedzialności za uszkodzenia lub obrażenia ciała powstałe w wyniku nieprawidłowej instalacji. Niniejszy produkt musi być zamontowany na odpowiedniej powierzchni, a podczas użytkowania nie wolno przekraczać podanego maksymalnego obciążenia.

PT

A B-Tech International Ltd. recomenda que a instalação deste produto seja efectuada por um instalador de AV profissional ou outra pessoa devidamente habilitada. A B-Tech International 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 Ltd. рекомендует, чтобы установка данного изделия производилась инженером по установке аудио-видеотехники или другим специалистом с соответствующей квалификацией. Компания B-Tech International 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 فى تركيب ال AV او شخص مؤهل تأهيلا مناسبا 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 فى بنية مناسبة ويجب استخدامة فقط لدعم الحد الأقصى للوزن المشار إليه.

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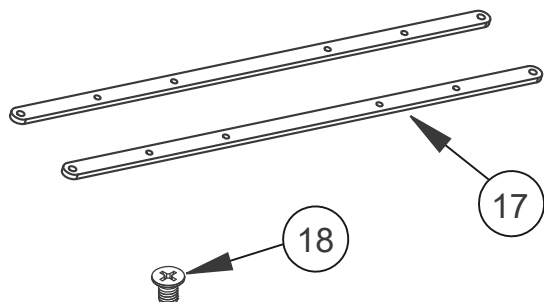⑨

⑩

⑪
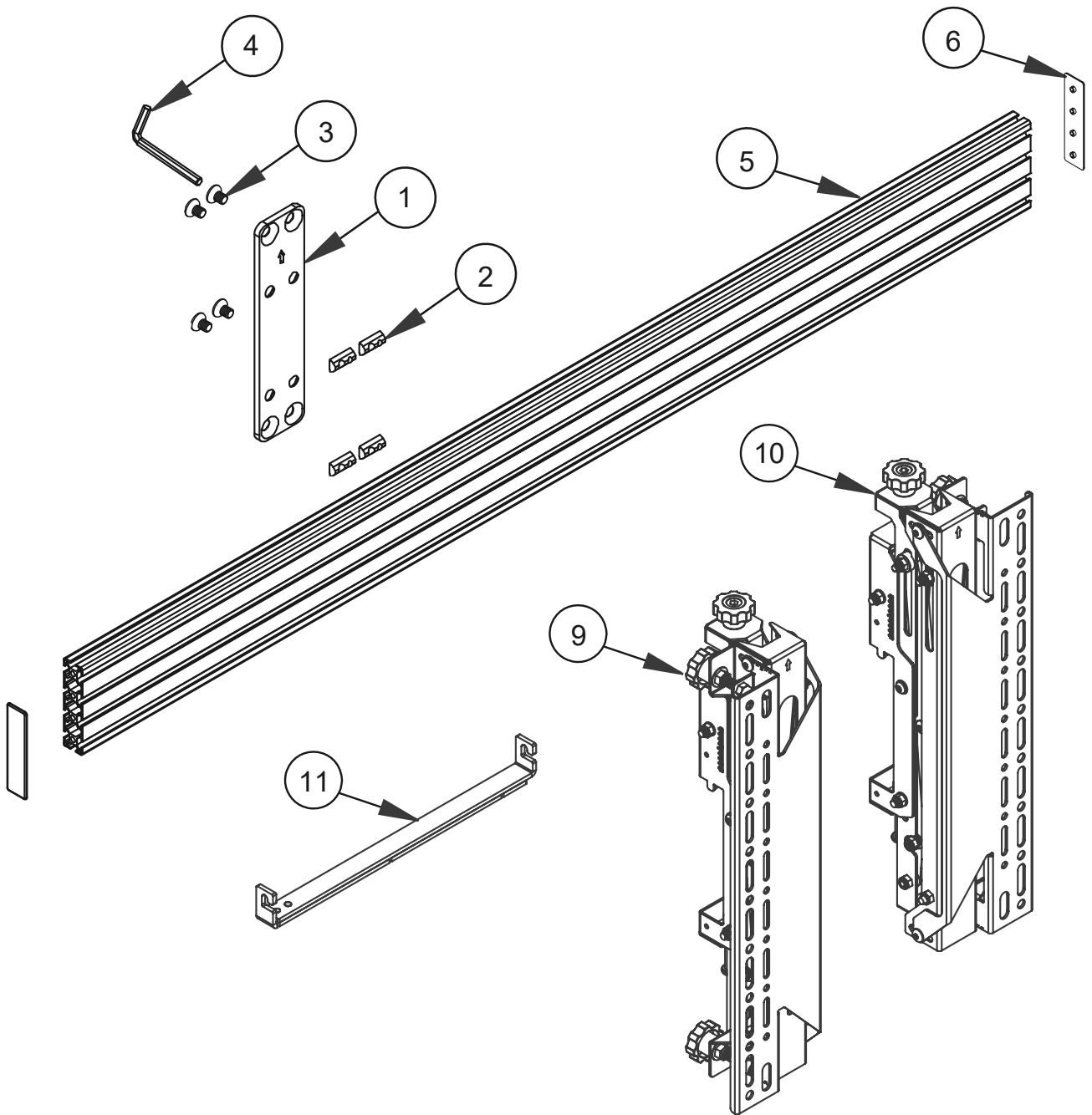
OPTIONAL
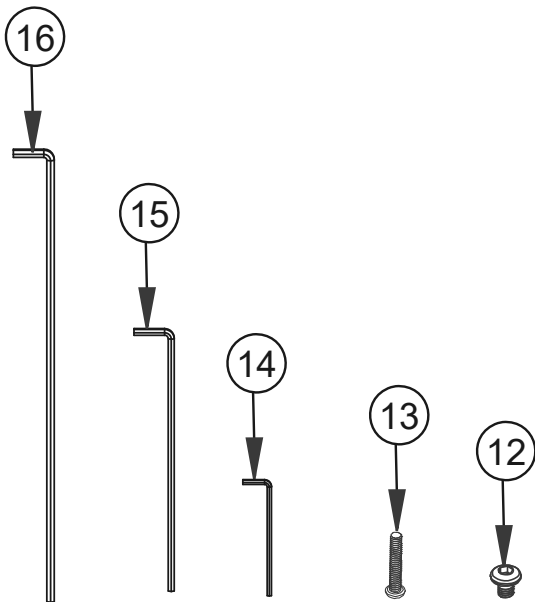**MOUNTING RAIL
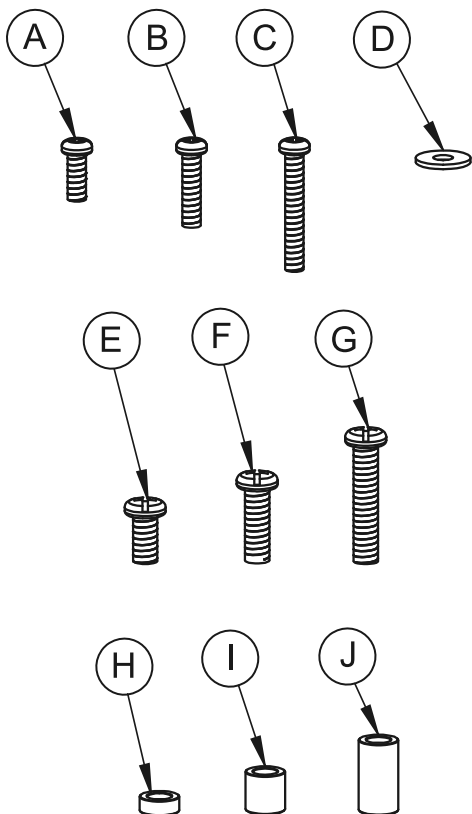EXTENSION KIT**

BT8390-EXT

⑦

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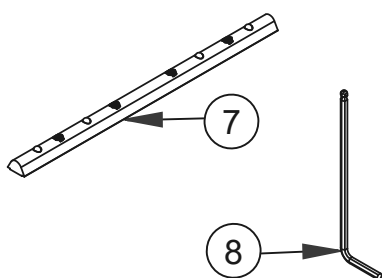
OPTIONAL
INTERFACE ADAPTOR ARMS

| BT7564 | BT7565 | BT7566 |

⑰

⑱

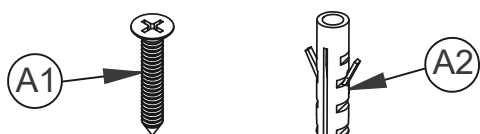## SCREEN FIXING KIT

WALL FIXING KIT

Due to the multiple installations available the total quantity for each part is dependent on the mount ordered.

PLEASE KEEP THIS FOR FUTURE REFERENCE

REF	RAIL FIXING KIT	QTY PER PACK
	RAIL FIXING KIT	
REF	PART NAME	QTY PER PACK
1	WALL PLATE	1
2	M8 SLIDING NUT	4
3	M8 x 12mm CSK SCREW	4
4	5AF HEX KEY	1

	MOUNTING RAIL	
REF	PART NAME	QTY PER PACK
5	MOUNTING RAIL	1
6	END CAP	2

	EXTENSION KIT (OPTIONAL)	
REF	PART NAME	QTY PER PACK
7	JOINING BAR	6
8	3AF HEX KEY	1

	SCREEN INTERFACE KIT	
REF	PART NAME	QTY PER PACK
9	LEFT INTERFACE ARM	1
10	RIGHT INTERFACE ARM	1
11	ADJUSTABLE BRACE	1
12	M5 x 6mm SCREW	2
13	M6 x 35mm SCREW	2
14	3AF HEX KEY	1
15	4AF HEX KEY	1
16	5AF HEX KEY	1

REF	SCREEN FIXING KIT	QTY PER PACK
A	M6 x 16mm SCREW	4
B	M6 x 25mm SCREW	4
C	M6 x 40mm SCREW	4
D	WASHER	4
E	M8 x 16mm SCREW	4
F	M8 x 25mm SCREW	4
G	M8 x 40mm SCREW	4
H	5mm SPACER	4
I	13mm SPACER	4
J	24mm SPACER	4

	INTERFACE ADAPTOR ARMS (OPTIONAL)	
REF	PART NAME	QTY PER PACK
17	ADAPTOR ARMS	2
18	M8 x 12mm SCREW	4

|	**WALL FIXING KIT**	
REF	PART NAME	QTY PER PACK
A1	ST8 x 45mm CSK WOOD SCREW	4
A2	Nº.10 WALL PLUG	4

EXTENDING THE MOUNTING RAIL

To extend the length of the Menu Board, use the BT8390-EXT to combine mounting rails

Optional: **Combining Mounting Rails using the BT8390-EXT**

i. On one side of the mounting rail (part 5) insert 4 x joining bars (part 7) half-way into each slot. On the back side of the rail, insert 2 x joining bars into the middle slots

ii. Loosely fasten the 2 grub screws on each joining bar fixing it to the mounting rail.

iii. Slide another mounting rail (part 5) onto the joining bars and tighten all the grub screws, combining the rails securely.

GRUB SCREW

BT8390-CFK
Joining Bar assembly

GRUB SCREW

JOINING BAR

BACK   **FRONT**
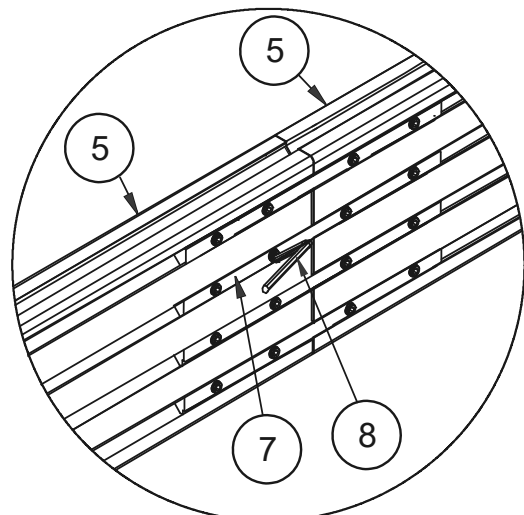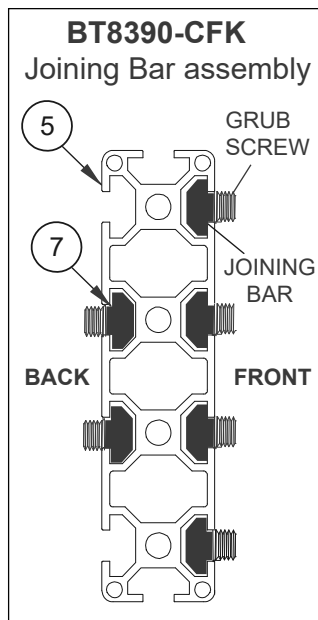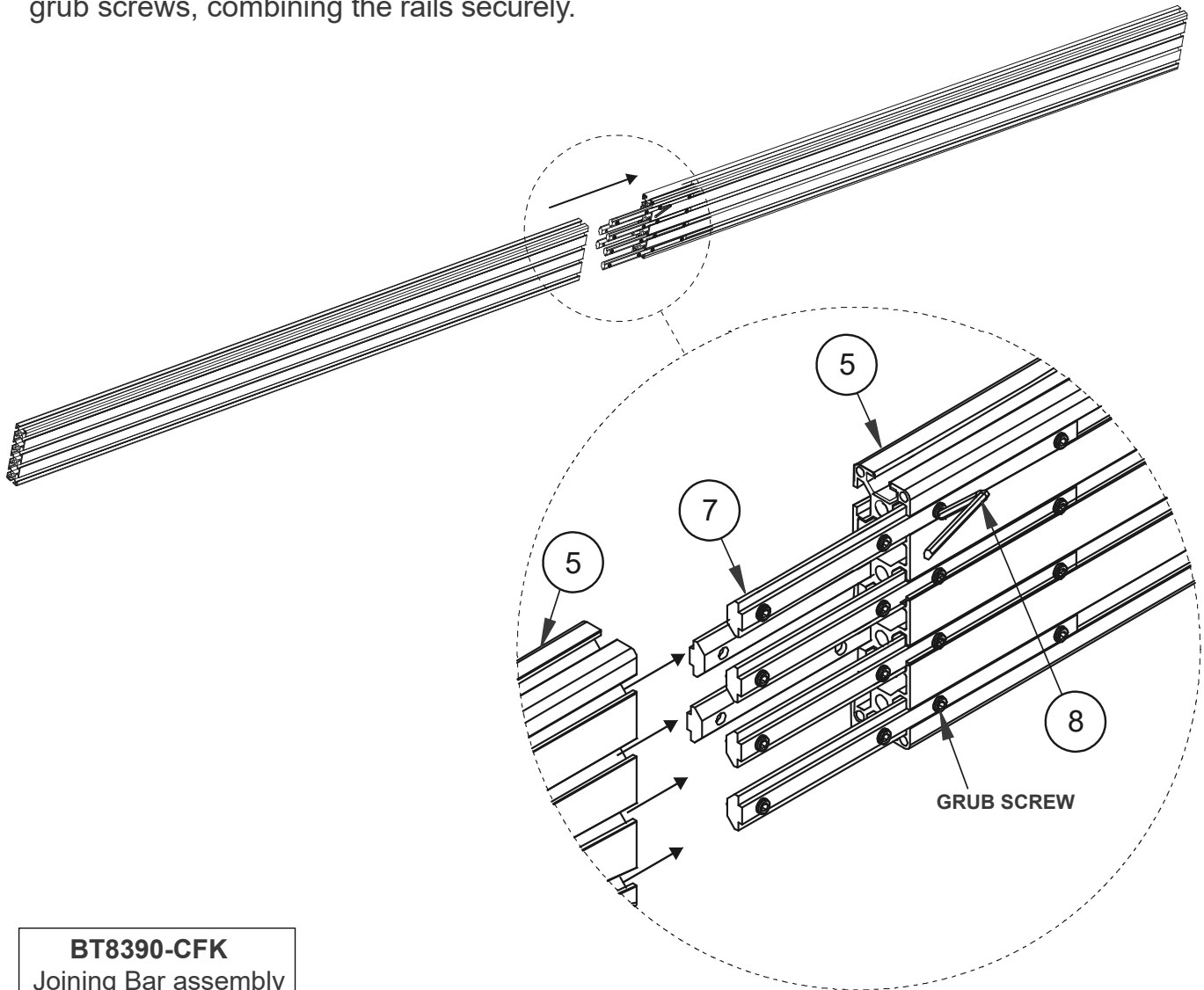
INSTALLATION INSTRUCTIONS

1 | **Attach Wall Plate to Rail**

i. For each wall plate (part 1) used, insert 4 x M8 sliding nuts (part 2)
into the mounting rail (part 5). Two in the top slot / two in the bottom slot.

2

5

BACK

2

5
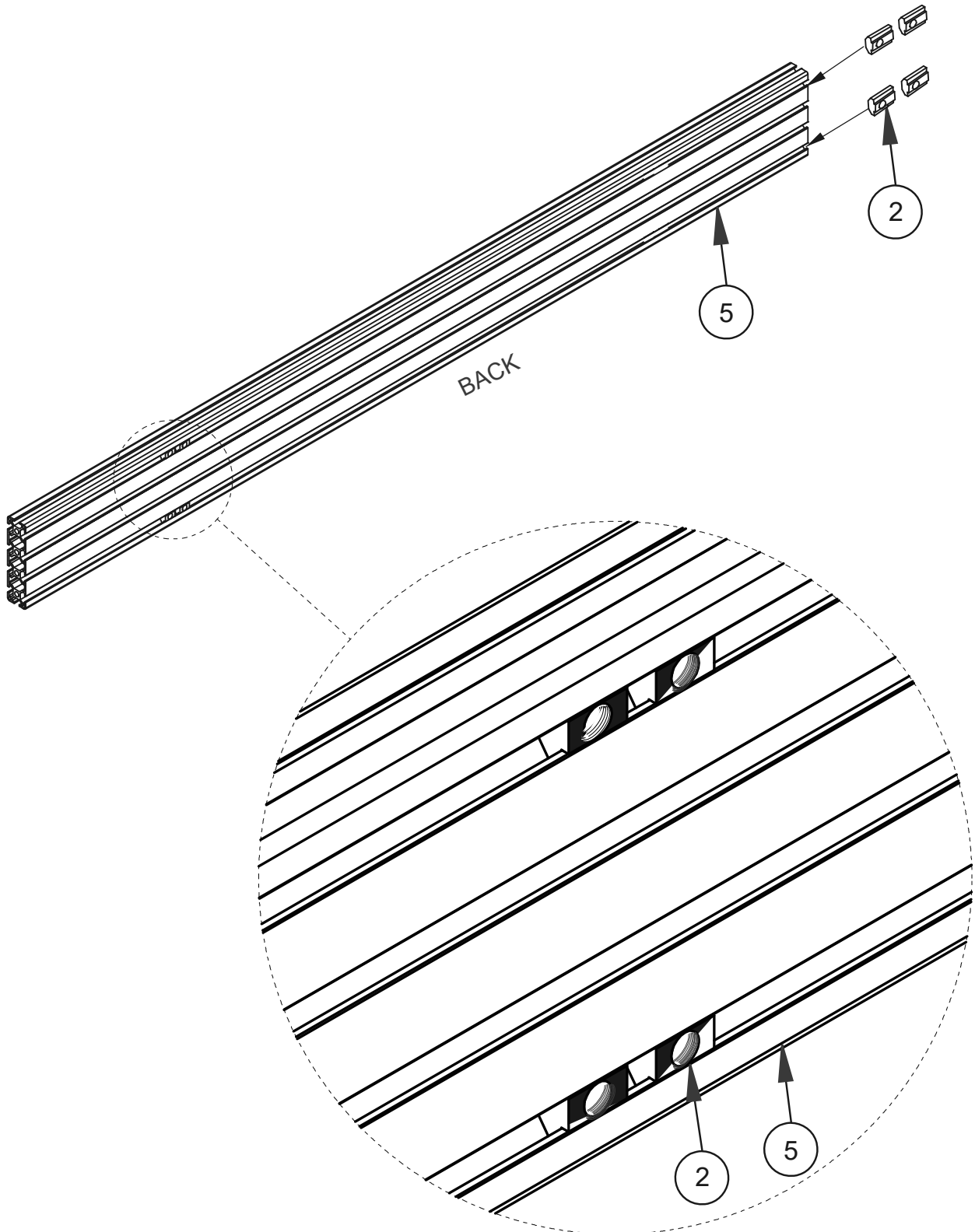
ii. Attach the wall plate (part 1) to the mounting rail (part 5) by fastening
M8 x 12mm screws (part 3) into the inserted M8 sliding nuts (part 2).

BACK

1

5

3

4

2

1
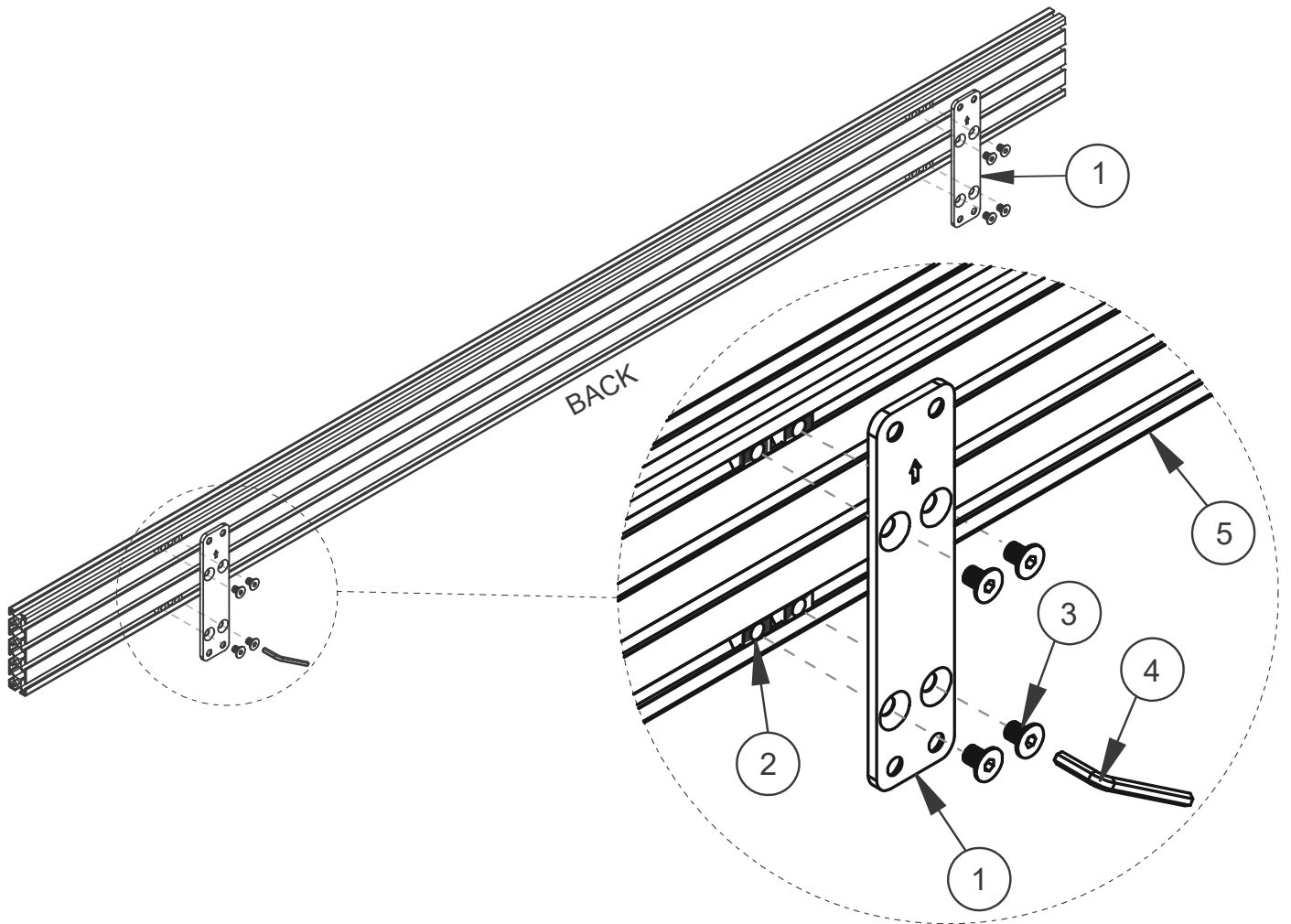
Required quantity of Rail Fixing Brackets

2pcs for 0 - 2000mm
3pcs for 2100mm - 3500mm
4pcs for 3600mm - 6000mm
5pcs for 6100mm - 8000mm
6pcs for 8100mm - 10000mm

Depth
35mm

2
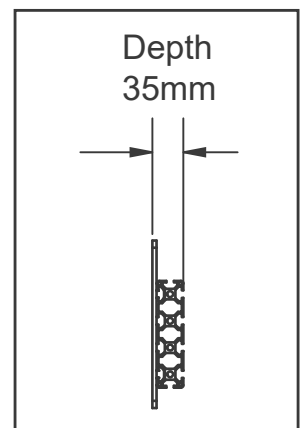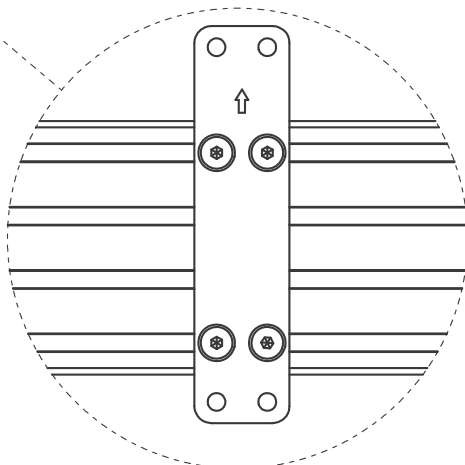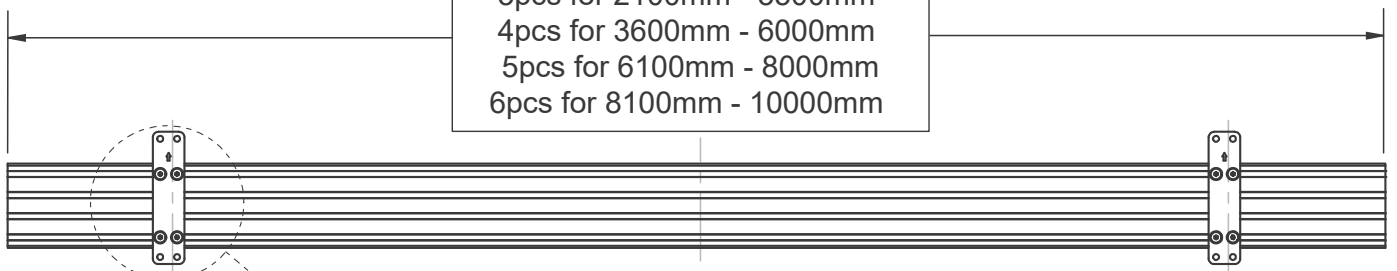
Fix Mounting Rail to the Wall

i. Fix the mounting rail (part 5) to the wall using the wall fixings (parts A1 & A2).

ii. Once mounted, attach end caps (part 6) to mounting rail (part 5).

WALL

Level

1

A2

6

A1

5
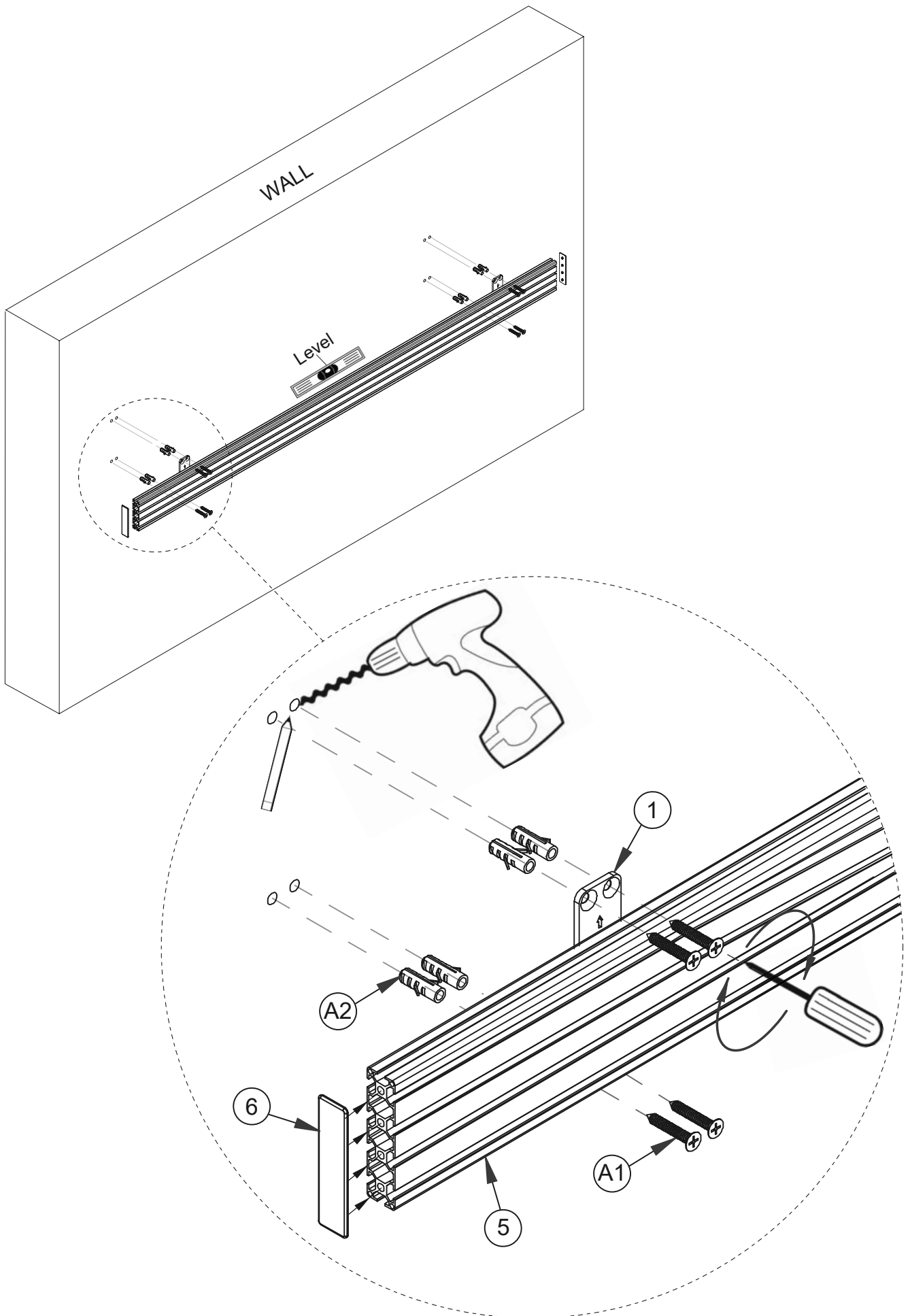
3 Attach Interface Arms to Screen

Fix the interface arms (parts 9 & 10) to the back of the screens using the screen fixing kit (parts A-J). Ensure the arms are positioned the correct way round and the same holes are used on both arms.
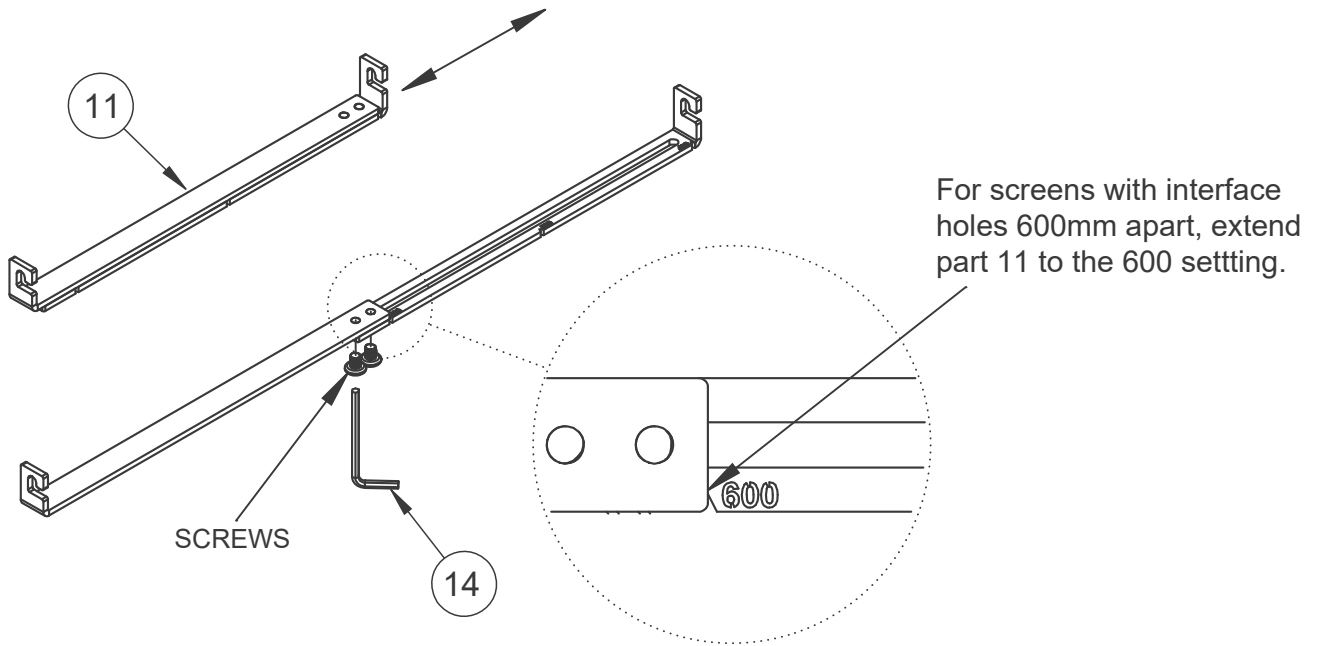

SCREEN

TOP

BOTTOM

A-G

D

10

9

SCREEN RECESS

Use spacers (parts H, I & J) for screens with recessed fixings.

H-J

Using Interface Adaptor Arms

9

18

10

17

A-G

TOP

BOTTOM

SCREEN
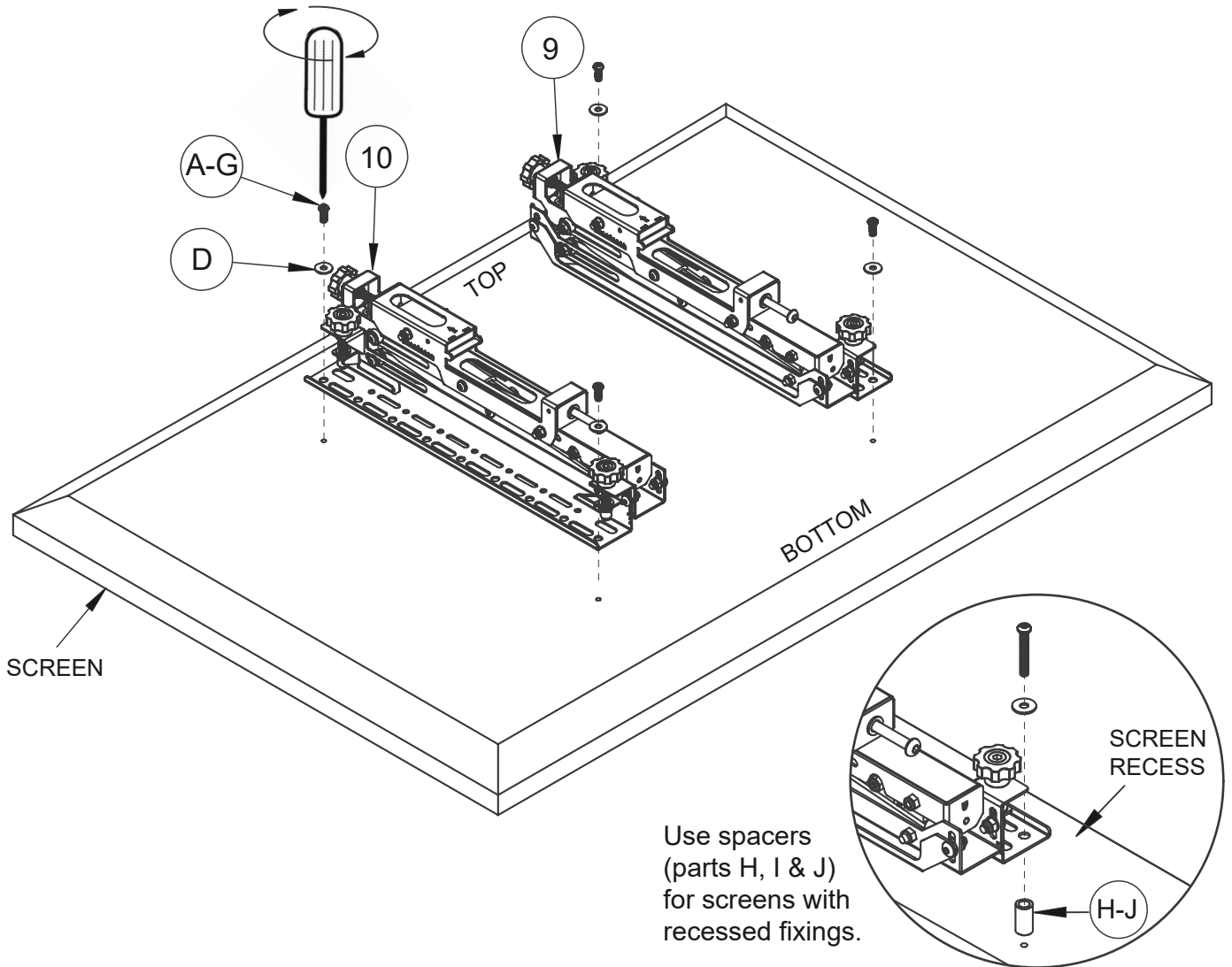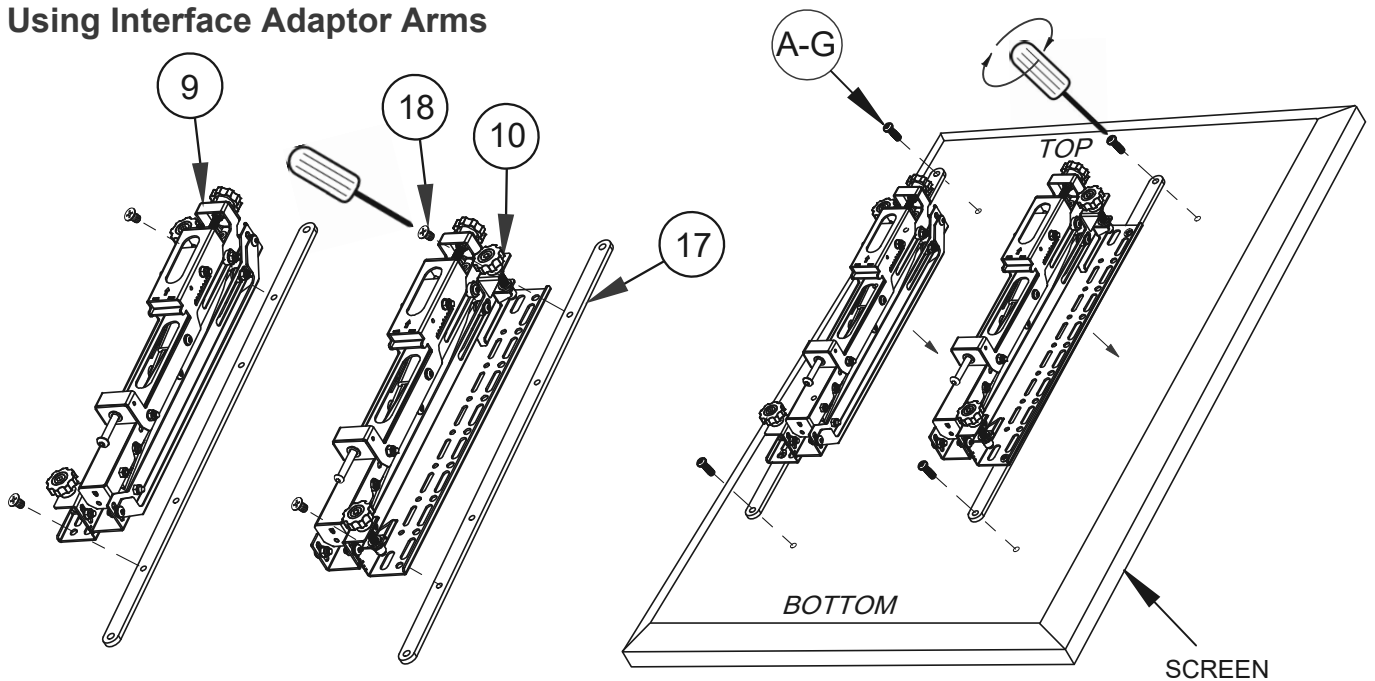
NOTE: Portrait mounting shown.
For landscape mounting attach adaptor arms horizontally

4 Connect Interface Arms with the Adjustable Brace

Note: Adjustable brace (part 11) is only suitable for horizontal VESA fixings from 400 - 600mm.

i. Extend the adjustable brace (part 11) and fix at desired length by tightening the 2 screws. The 3 notches show the position for interface fixings at 400mm, 500mm and 600mm.

11

For screens with interface holes 600mm apart, extend part 11 to the 600 settting.

SCREWS

14

600

ii. Fix the adjustable brace (part 11) to the interface arms (parts 9 & 10) for easy lateral adjustment.

14

12

12

11

9

10

Distance between interface holes

12

11
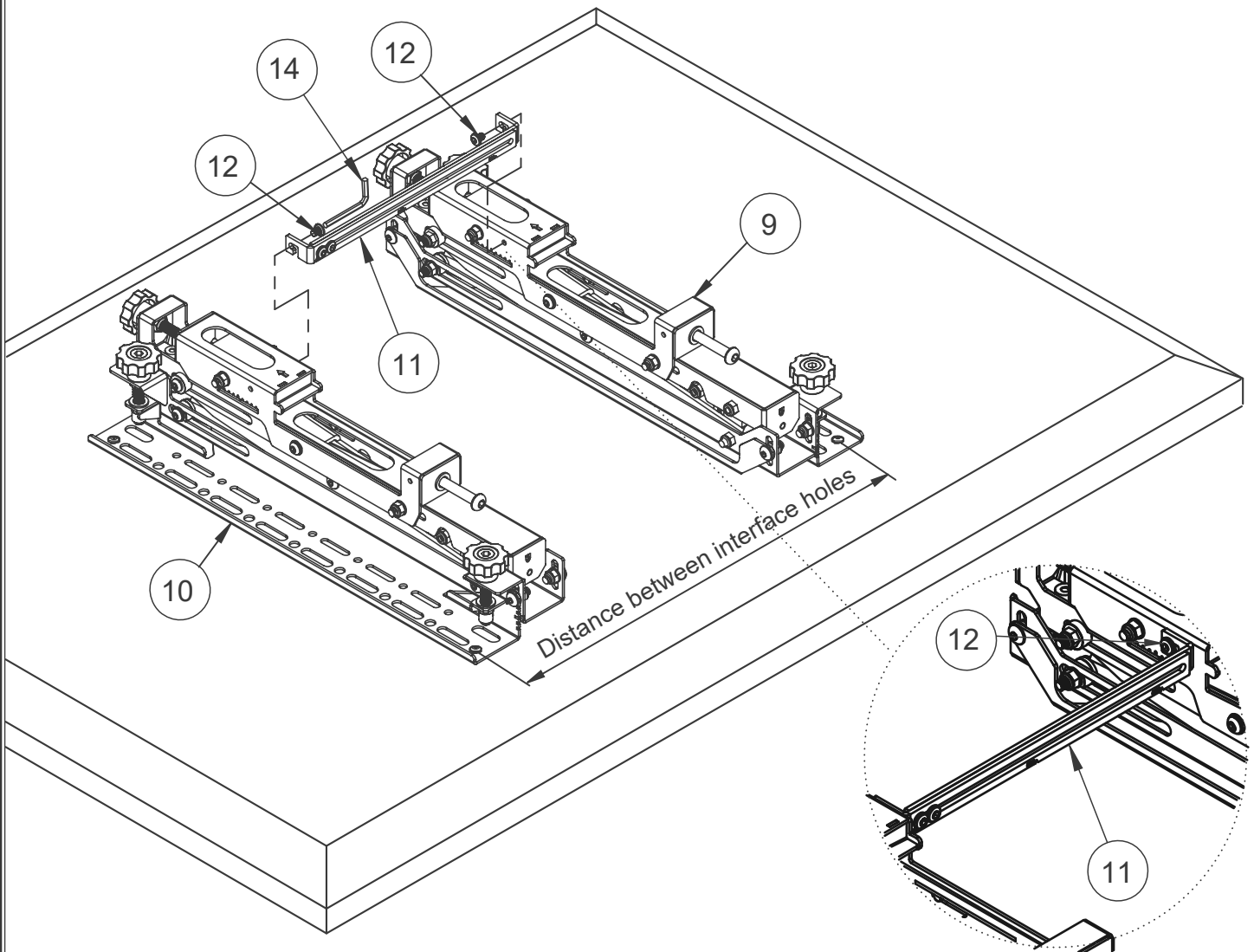
5 Mount Screen onto Rail

Hook interface arms (part 9 & 10) into the top of the mounting rail (part 5).

WALL

⑨ ⑩

SCREEN

WALL

SCREEN

⑤
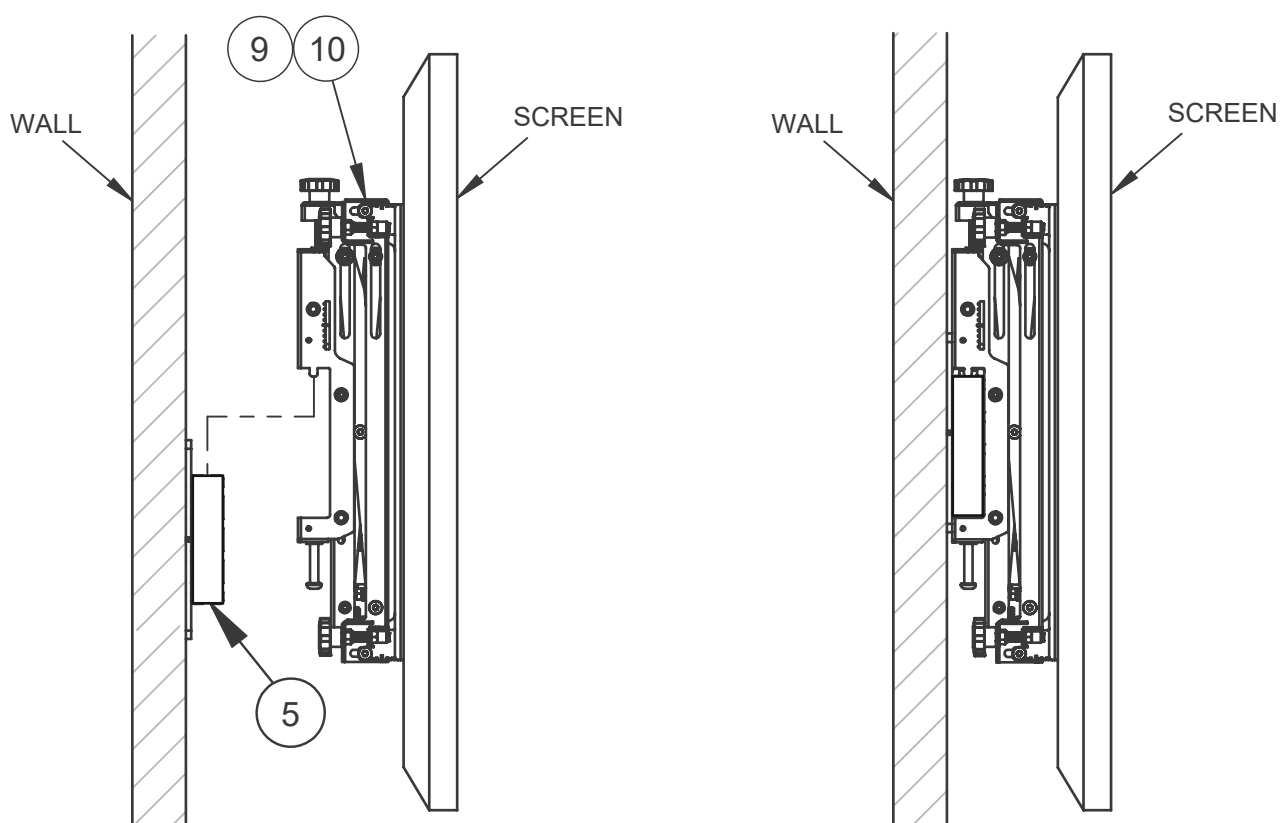
6 Align First Screen

i. Lateral Adjustment

Slide arms along the mounting rail (part 5) to laterally adjust screen to desired position.
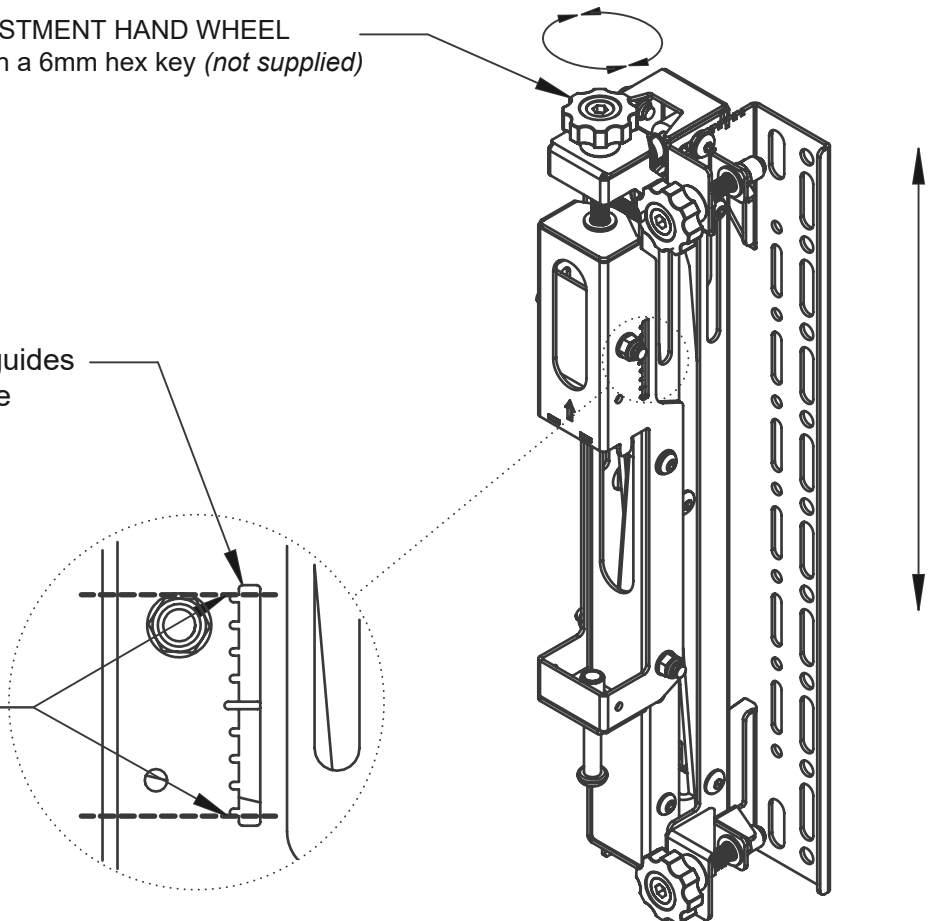
SCREEN

⑤
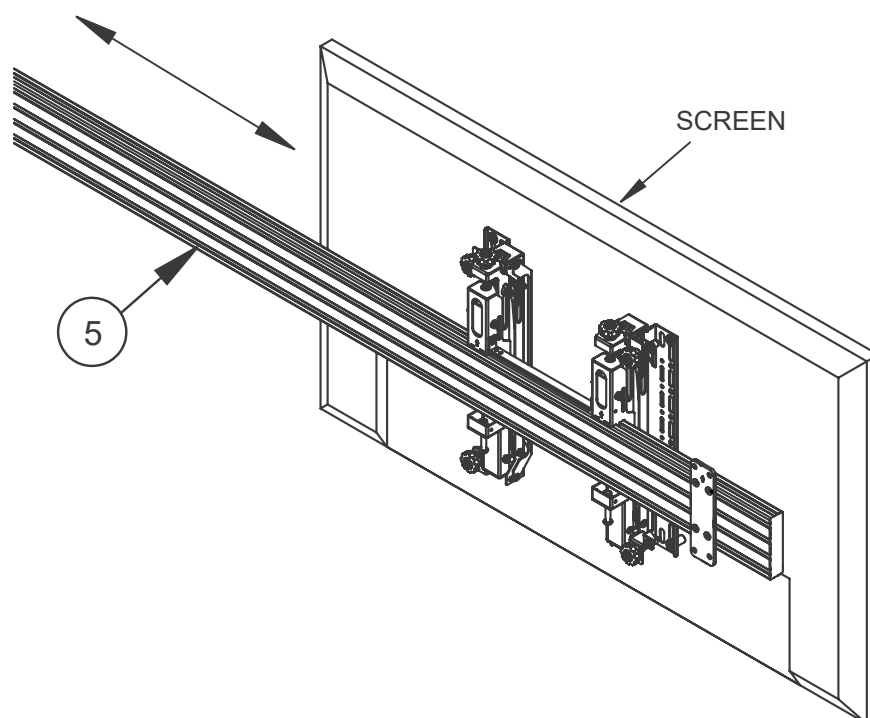
ii. Height Adjustment (+/-20mm)

Ensure the screen is level and parallel to floor using the height adjustment hand wheels on the interface arms.

LEVEL

SCREEN

Distance to floor

Distance to floor

FLOOR
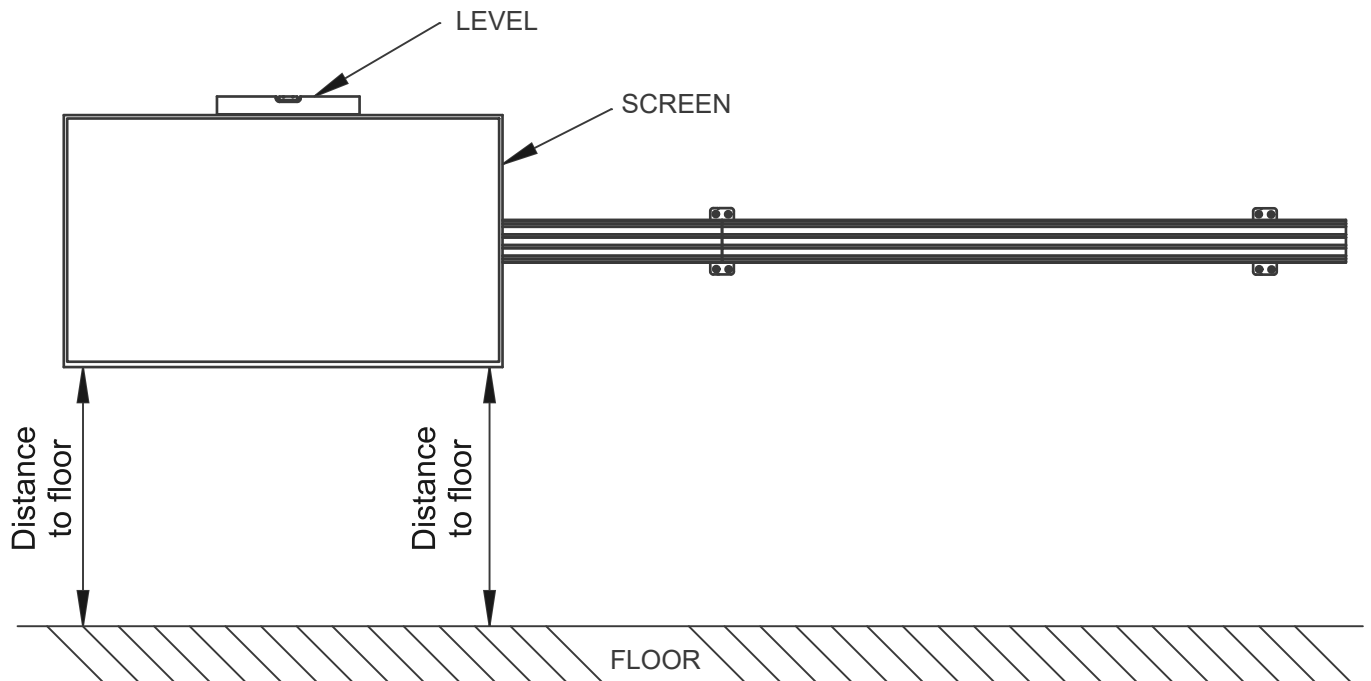
HEIGHT ADJUSTMENT HAND WHEEL
Compatible with a 6mm hex key *(not supplied)*

Height adjustment guides to help with accurate screen alignment

Do not adjust height past the min and max guide lines

iii. Depth Adjustment (+/-10mm)

Ensure the screen corners are equidistant from the wall using the depth adjustment hand wheels on the interface arms.

Distance from wall

WALL

SCREEN

Distance from wall

Depth adjustment guides to help with accurate screen alignment

Do not adjust height past the min and max guide lines

DEPTH ADJUSTMENT HAND WHEELS
Compatible with a 6mm hex key *(not supplied)*
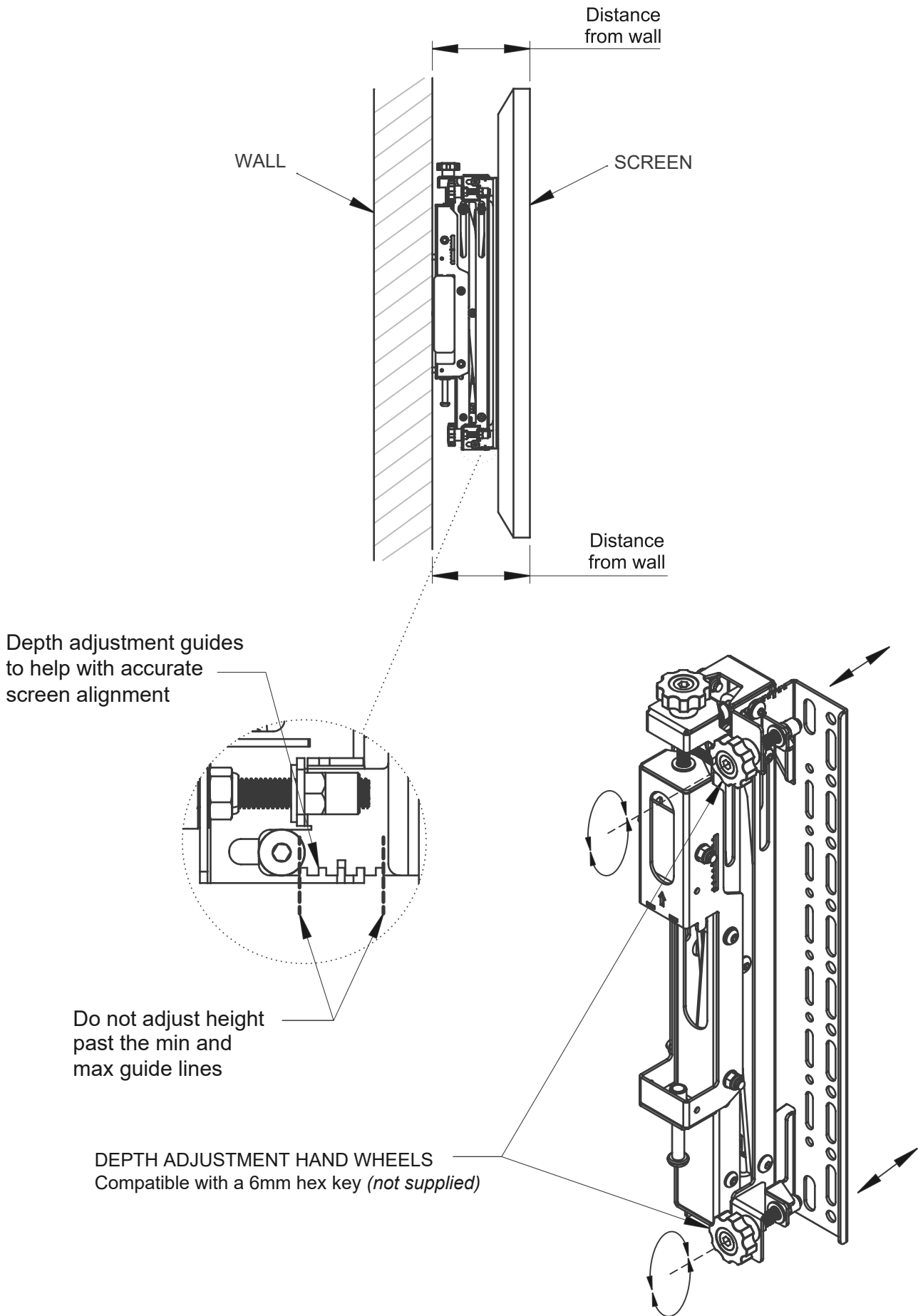
7 **Add Remaining Screens to the Menu Board**

Hook on remaining screens. Use adjustments to ensure screens are aligned.
During installation, pop screens out for easy access to adjustment hand wheels *(see Step 6)*.

Use **Height Adjustment**
to align bottom/top of screens
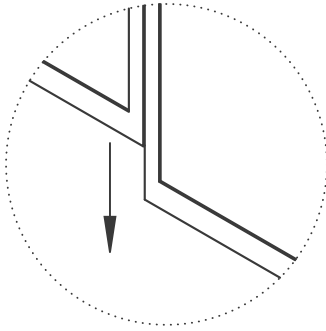
Use **Depth Adjustment**
to align front of screens

1mm gap between screens

WALL

SCREENS

Pop-out screens
for easy access to
adjustment hand wheels
(see Step 6)
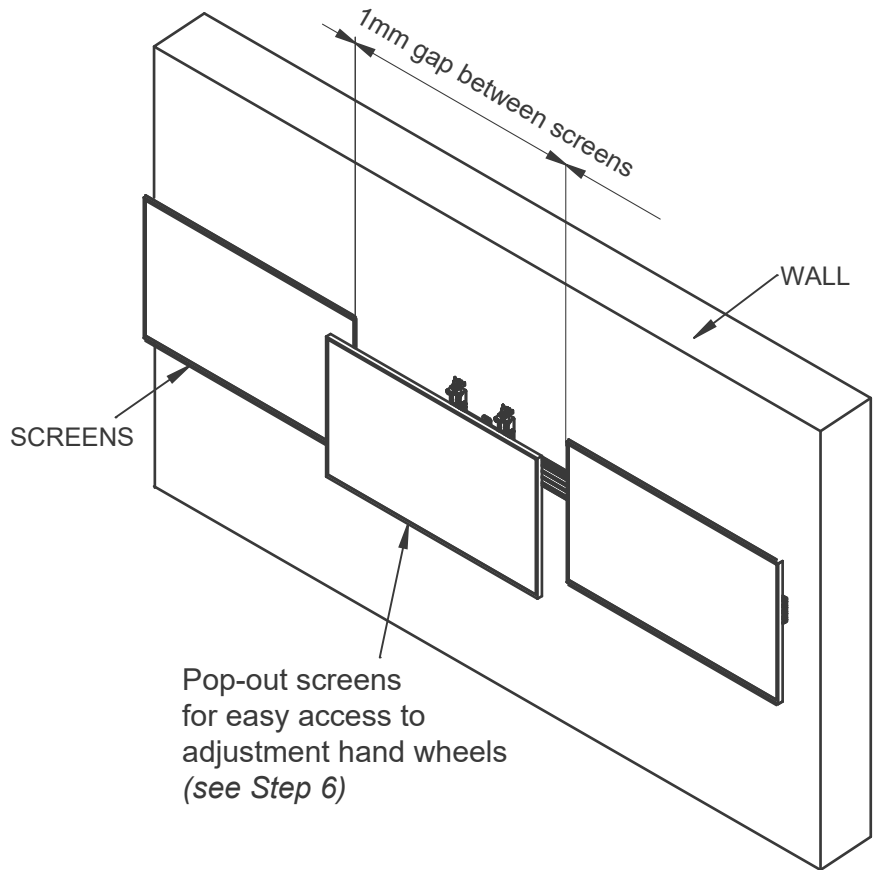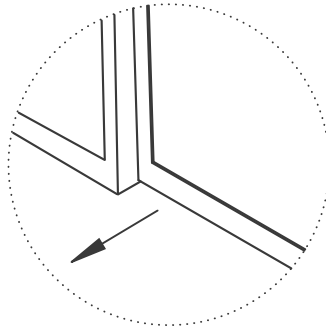
8 **Secure Interface Arms to Mounting Rails**

Tighten the safety screws on the interface arms (parts 9 & 10) into the mounting rail (part 5).

SCREEN

10

9

5

Safety Screw
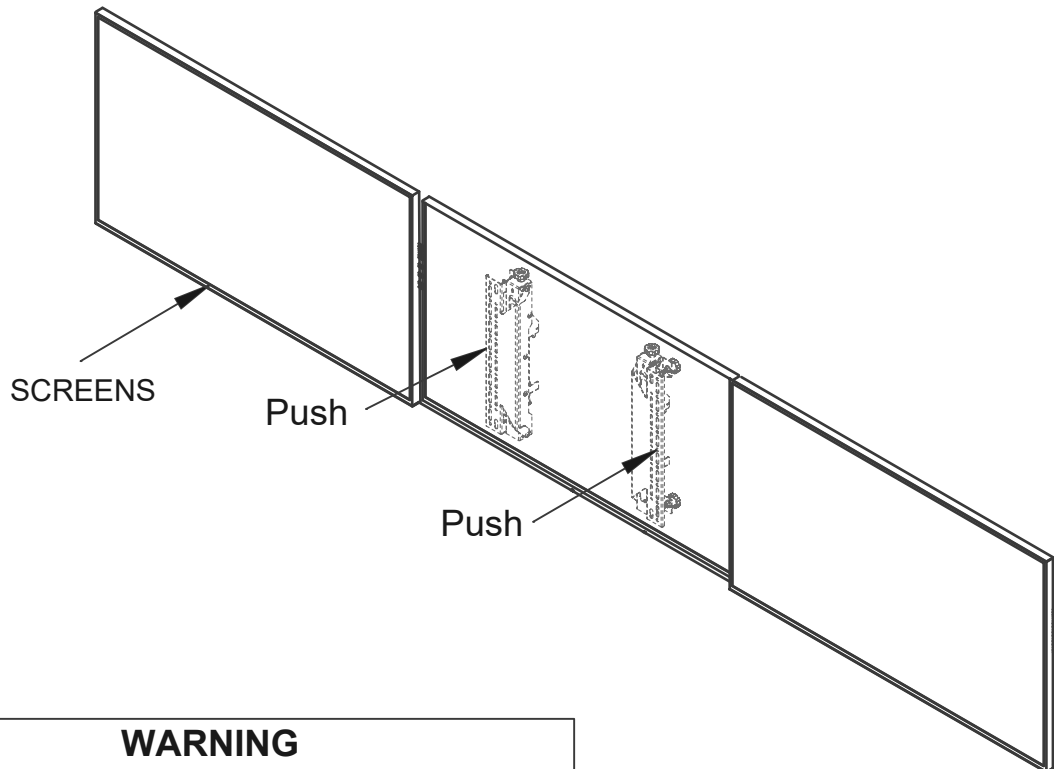tightened into
rail

SAFETY
SCREWS

16
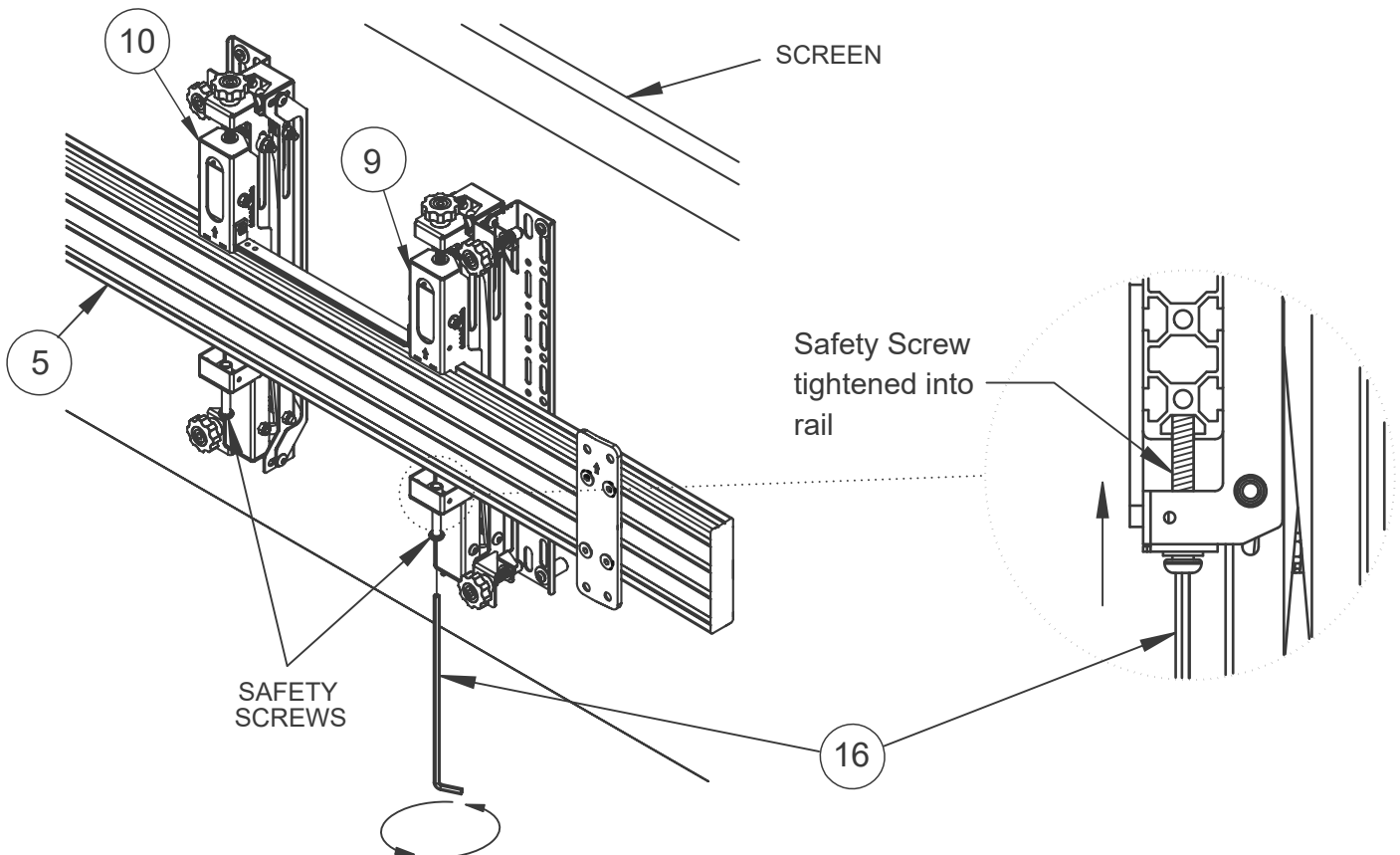
9 Servicing Screens
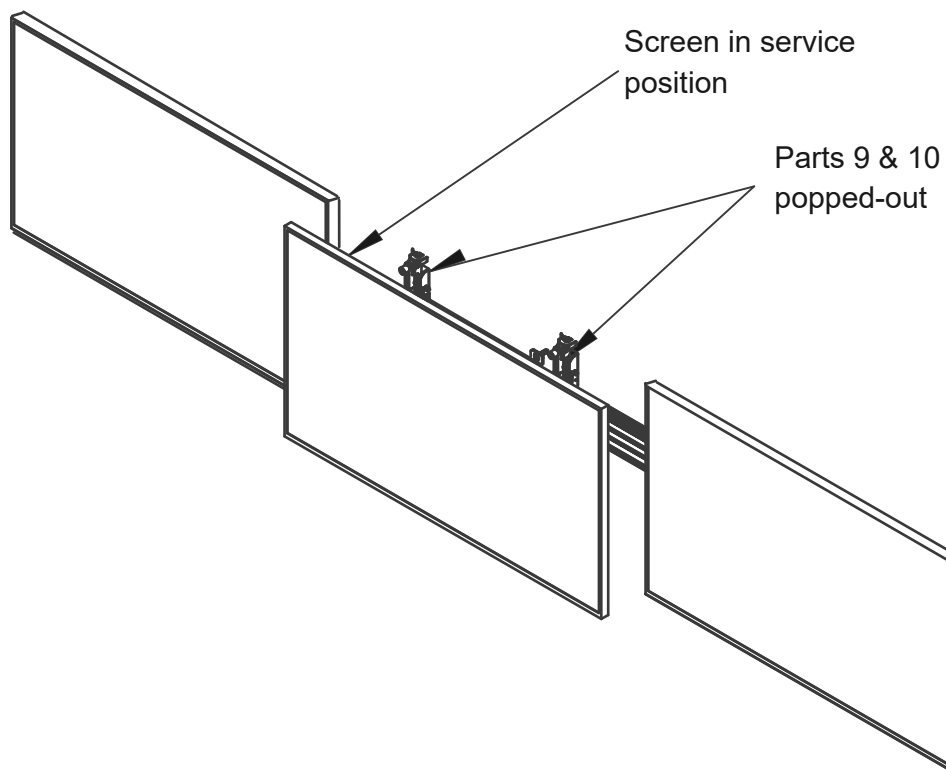
Note: Ensure pop-out function is not disabled *(see Step 10).*

Push centrally at the left and right of the screen to pop-out the mount.

The screen will rest in the 'open' position for servicing.

SCREENS

Push

Push

WARNING
Be careful not to damage screen when pushing.
Keep hold of screen as it moves outwards.

Screen in service position

Parts 9 & 10 popped-out

After servicing, push screen back and click into original position.

10 **Disabling Pop-Out Function** *(optional)*

To prevent interface arms from popping out, fully insert and tighten the M6 x 35mm screws (part 13) at the padlock* symbol at the bottom of the interface arms (parts 9 & 10).
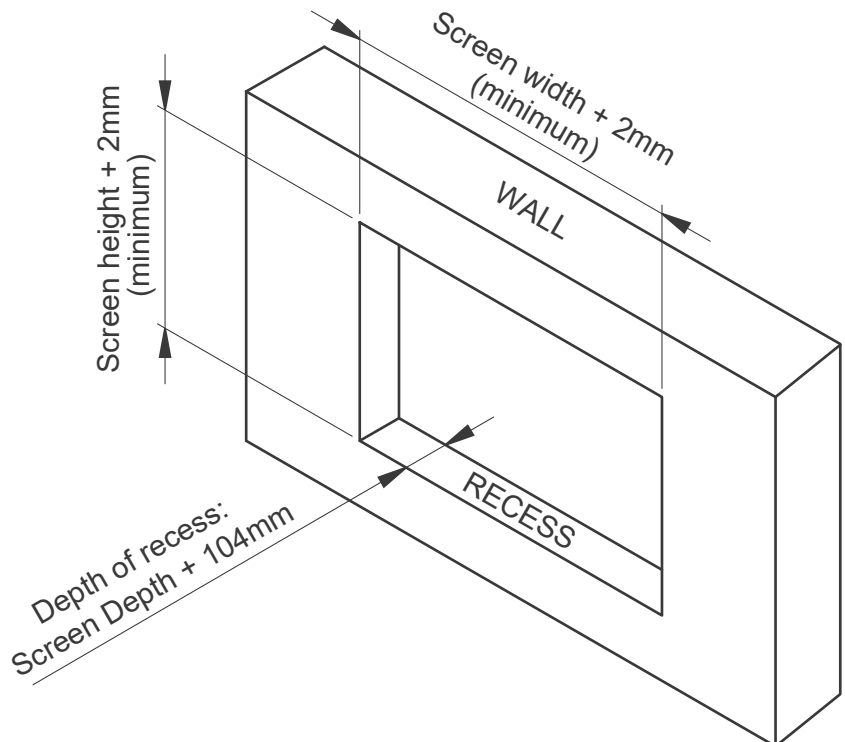
Unlocked Position

Unlocked Position 20mm

Locked Position
part 13 fully inserted
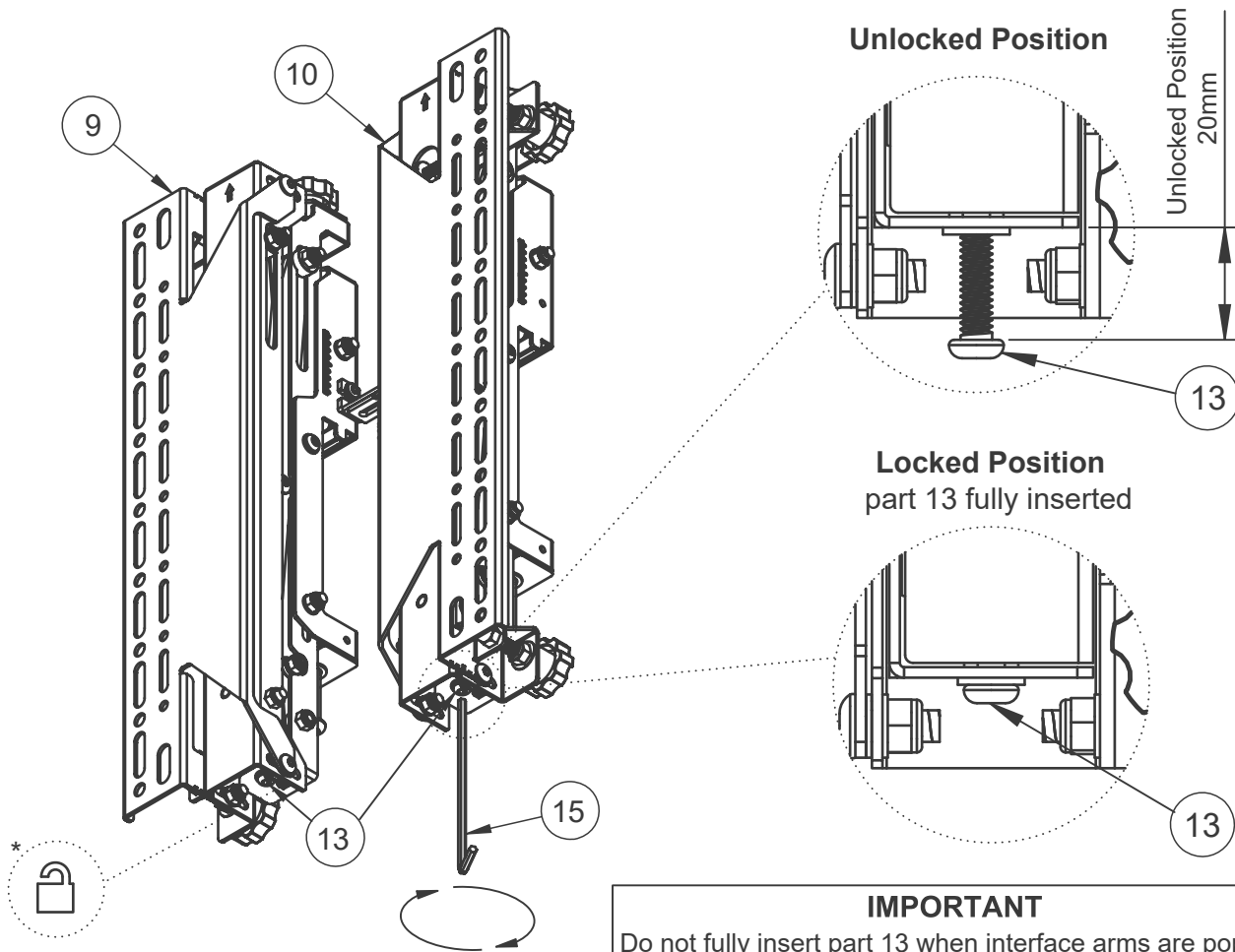
IMPORTANT
Do not fully insert part 13 when interface arms are popped out.

RECESS MOUNTING

Note: Dimensions are based on using the BT8390-VESA400MAP with a BT8390 rail and BT8390-WFK1.
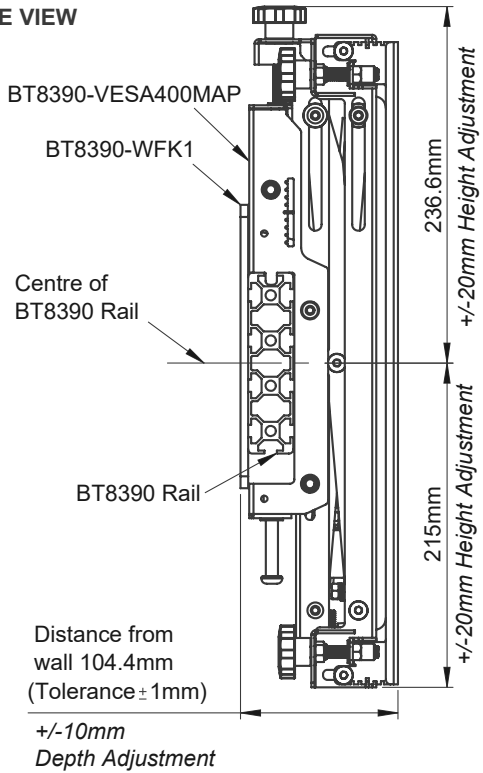
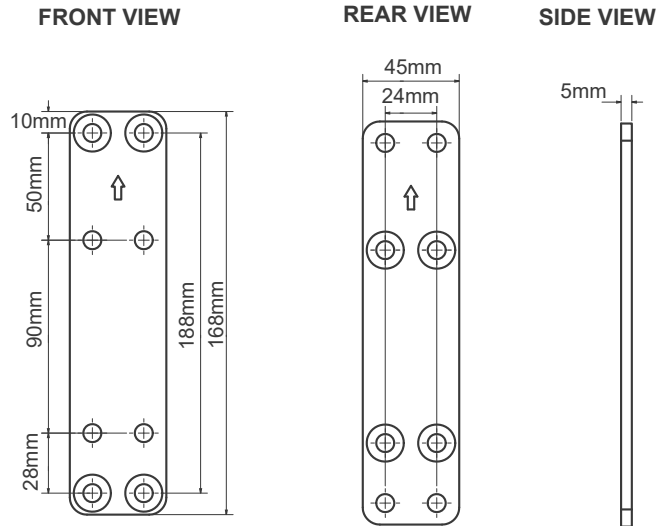Depth dimensions may change if different brackets are used.

Screen height + 2mm (minimum)

Screen width + 2mm (minimum)

WALL

RECESS

Depth of recess:
Screen Depth + 104mm

BT8331

PRODUCT DIMENSIONS

Assembled
SIDE VIEW

BT8390-VESA400MAP

BT8390-WFK1

Centre of
BT8390 Rail

BT8390 Rail

236.6mm

+/-20mm Height Adjustment

215mm

+/-20mm Height Adjustment

Distance from
wall 104.4mm
(Tolerance ± 1mm)

*+/-10mm
Depth Adjustment*

BT8390-WFK1

Rail Fixing Kit

FRONT VIEW

REAR VIEW

SIDE VIEW

10mm

50mm

90mm

28mm

188mm

168mm

45mm

24mm

5mm

BT8390-VESA400MAP

Pop-Out VESA 400mm Interface Arms with Micro-Adjustment

FRONT VIEW

SIDE VIEW - OPEN

451.6mm

426mm

400mm

300mm

200mm

100mm

50mm

150mm

250mm

350mm

18.8mm

146.8mm

6mm

65mm

280mm

100.7mm

110.9mm

434.4mm

237.2mm (Tolerance ± 1mm)
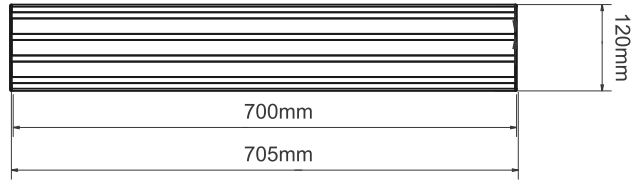68.7mm (Closed depth)

+/-10mm Depth Adjustment
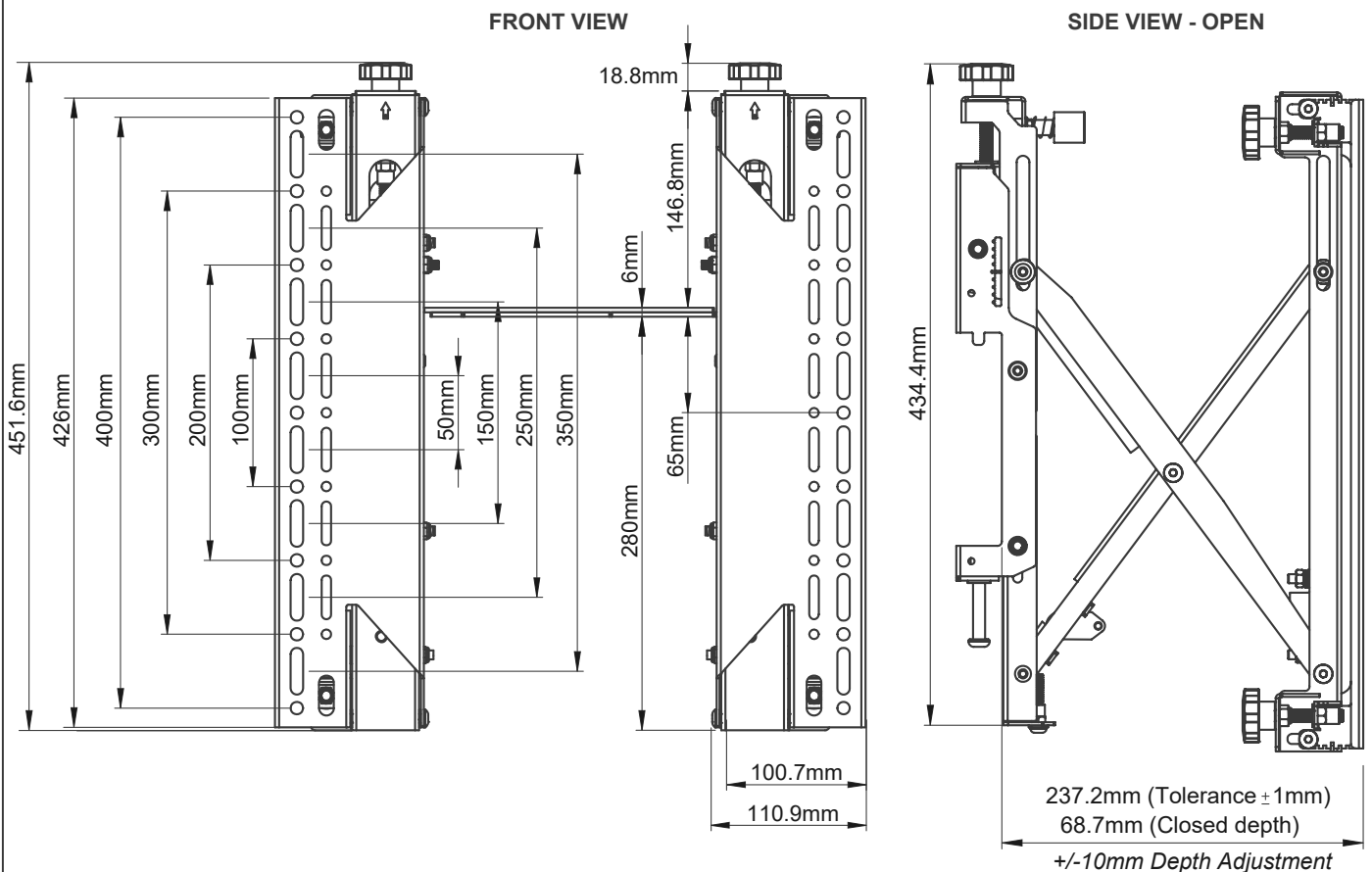
THESE DIMENSIONS ARE INTENDED AS A GUIDE ONLY AND
B-TECH ACCEPTS NO LIABILITY FOR THE ACCURACY OF THE INFORMATION
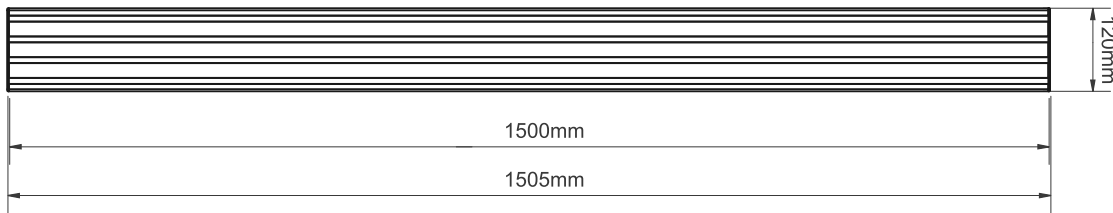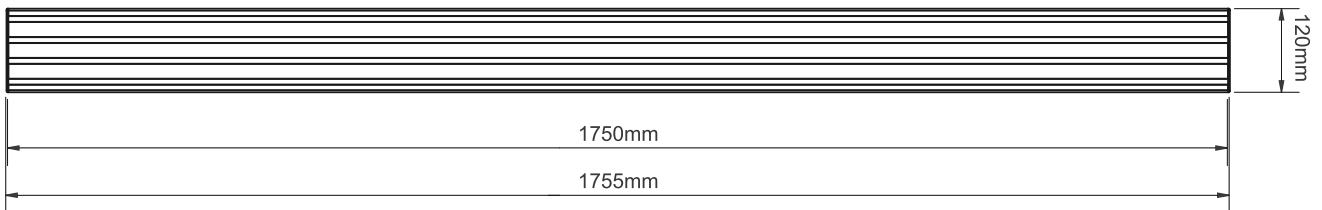
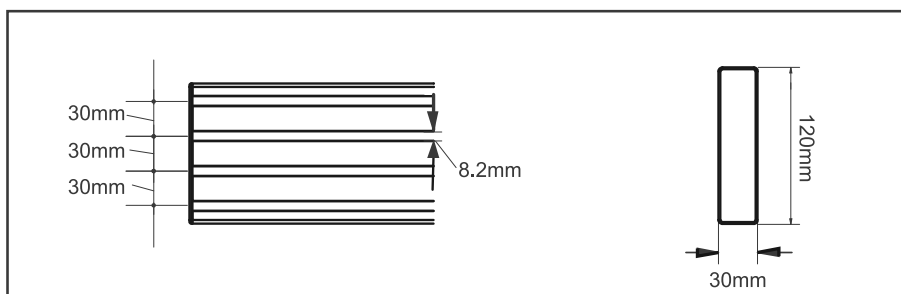# PRODUCT DIMENSIONS
MOUNTING RAILS

BT8390-050

120mm

500mm

505mm

BT8390-070

120mm

700mm

705mm

BT8390-150

120mm

1500mm

1505mm

BT8390-175

120mm

1750mm

1755mm

BT8390-200

120mm

2000mm

2005mm

30mm

30mm

30mm

8.2mm

120mm

30mm

B
TECH ®

BETTER BY DESIGN™
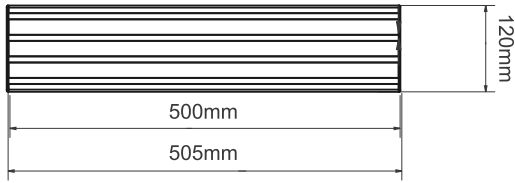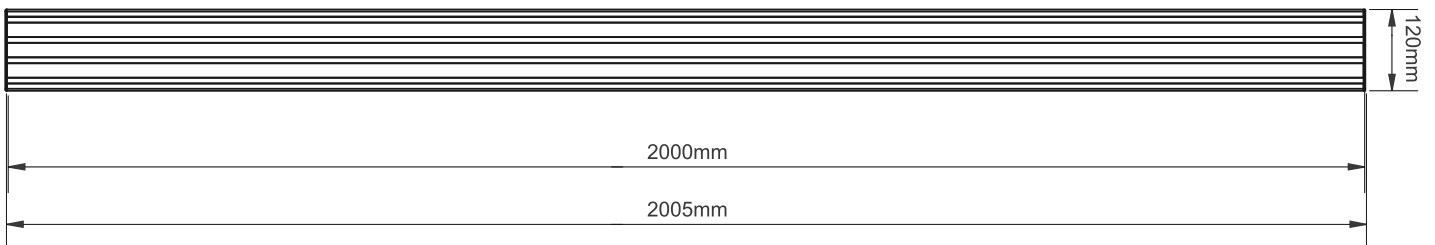
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B-TECH AV MOUNTS

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AMA-BT8331-V1.1-0519-BTECH