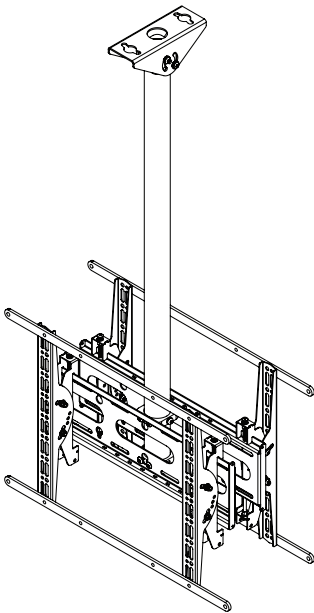


# Back-To-Back Flat Screen Ceiling Mount With Tilt

---

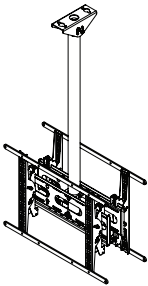
## Installation Guide



- Designed for mounting 2 screens up to 65" (165cm) back to back
- Max load: 50kg (110lbs) per screen
- Suitable for screens with VESA<sup>®</sup> and non-VESA fixings up to 600 x 400mm
- Adjustable tilt: +/-15°
- Ceiling bracket can be tilted for mounting on angled ceilings
- Simple 'hook-on' installation with all mounting hardware included

| Recommended<br>Max Screen | Max Load<br>Per Screen    | Max<br>VESA          |
|---------------------------|---------------------------|----------------------|
| 65"<br>165cm              | 50kg<br>[110lbs]          | 600<br>x<br>400      |
| Tilt                      | Post Install<br>Alignment | Collar<br>Compatible |
| 15°<br>15°                |                           |                      |

|                           |    |
|---------------------------|----|
| Installation Safety Notes | 2  |
| Parts List                | 4  |
| Installation Instructions | 6  |
| Product Dimensions        | 14 |
| B-Tech Contact Details    | 16 |



## Installation 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 ceiling 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

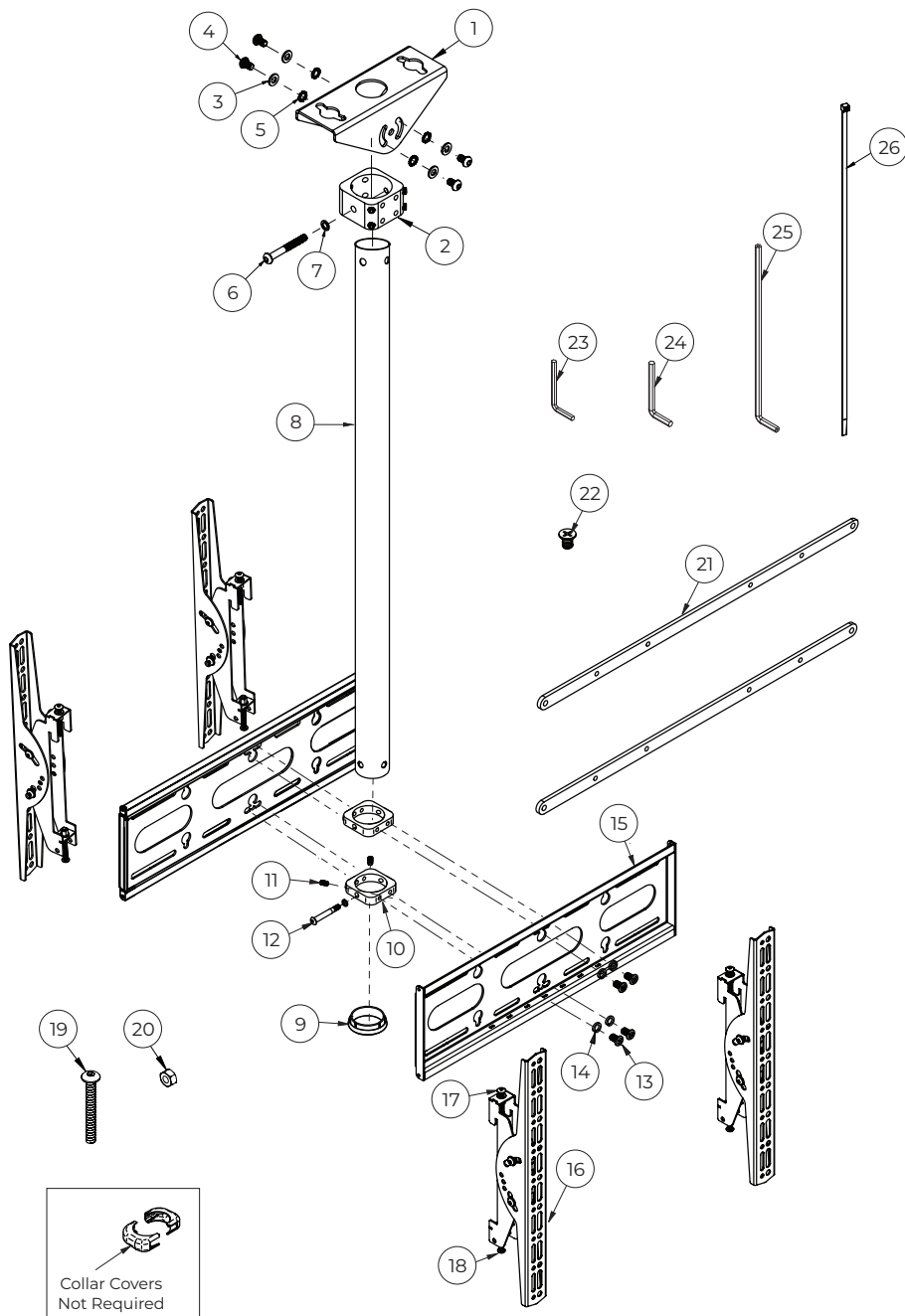
When routing cables take advantage of any built in cable management features that the product might provide and ensure that all cables are tidy and secure. Check to see that any moving aspect of the product can do so unhindered by any cabling. Some products have moving parts and the potential to cause 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.

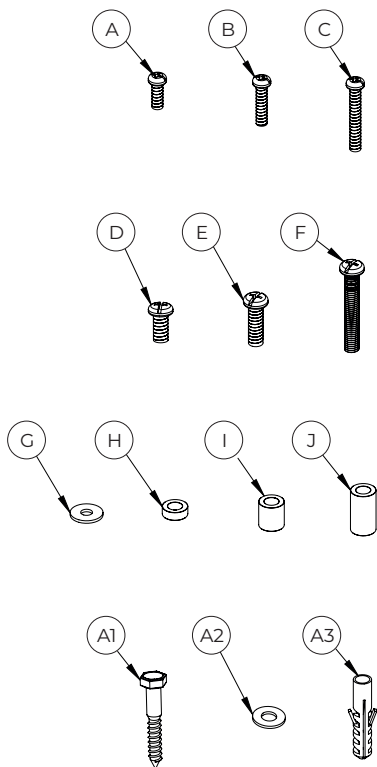
- CN B-Tech AV Mounts 建议本产品由专业AV安装人员或其他合格人员安装。B-Tech AV Mounts 及它的代理商、经销商不对由于不恰当的安装而造成的损失或伤害负责。本产品必须安装在合适的架构上，并仅用于不超过所标示的最大承重。
- CS Společnost B-Tech AV Mounts doporučuje provést instalaci tohoto produktu instalátora AV či jinak způsobilé osoby. Společnost B-Tech AV Mounts, její distributoři a prodejci nenesou prostřednictvím odborného odpov. osobně za škody nebo zranění zp. úšobená 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 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 أو شخص مؤهل تأهيلا مناسباً لتركيب هذا المنتج. بي- تك للتجارة الدولية، موزع عليها 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 لحد الأقصى للوزن المشار إليه.

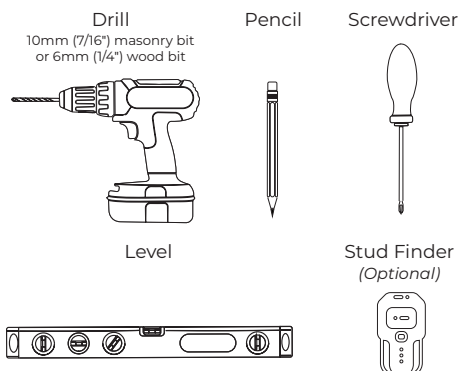
# BT8428 Parts List

Please keep this for future reference





### Installation Tools Required



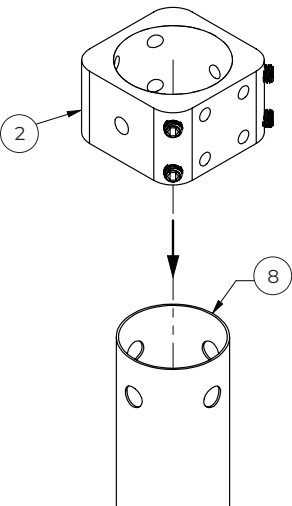
Suitable for loads up to 50kg (110lbs) per screen

| Item                 | Description                | Qty |
|----------------------|----------------------------|-----|
| 1                    | Ceiling Plate              | 1   |
| 2                    | Ø50mm Heavy Duty Collar    | 1   |
| 3                    | M8 Washer                  | 4   |
| 4                    | M8 x 12mm Screw            | 4   |
| 5                    | M8 Lock Washer             | 4   |
| 6                    | M8 x 65mm Safety Bolt      | 1   |
| 7                    | M8 Spring Washer           | 1   |
| 8                    | Ø50mm Pole                 | 1   |
| 9                    | Pole End Ring              | 1   |
| 10                   | Collar                     | 2   |
| 11                   | M8 x 15mm Grub Screw       | 4   |
| 12                   | M8 x 65mm Hex Socket Screw | 2   |
| 13                   | M8 x 12mm Screw            | 8   |
| 14                   | M8 Spring Washer           | 10  |
| 15                   | Mounting Plate             | 2   |
| 16                   | Interface Arm              | 4   |
| 17                   | Height Adjustment Screw    | 4   |
| 18                   | Locking Screw              | 4   |
| 19                   | M6 x 50mm Hex Screw        | 4   |
| 20                   | M6 Nut                     | 4   |
| 21                   | 600mm Adaptor Arms         | 4   |
| 22                   | M8 x 12mm Screw            | 8   |
| 23                   | 4AF Hex Key                | 1   |
| 24                   | 5AF Hex Key                | 1   |
| 25                   | 4AF Long Hex Key           | 1   |
| 26                   | Cable Tie L.400mm x W.5mm  | 8   |
| Screen Fixings       |                            |     |
| A                    | M6 x 16mm Screw            | 8   |
| B                    | M6 x 25mm Screw            | 8   |
| C                    | M6 x 40mm Screw            | 8   |
| D                    | M8 x 16mm Screw            | 8   |
| E                    | M8 x 25mm Screw            | 8   |
| F                    | M8 x 50mm Screw            | 8   |
| G                    | M6 Washer                  | 8   |
| H                    | 5mm Spacer                 | 8   |
| I                    | 15mm Spacer                | 8   |
| J                    | 25mm Spacer                | 8   |
| Wall/Ceiling Fixings |                            |     |
| A1                   | M8 x 50mm Coach Screw      | 4   |
| A2                   | M8 Metal Washer            | 4   |
| A3                   | N°.10 x 50mm Wall Plug     | 4   |

# Installation Instructions

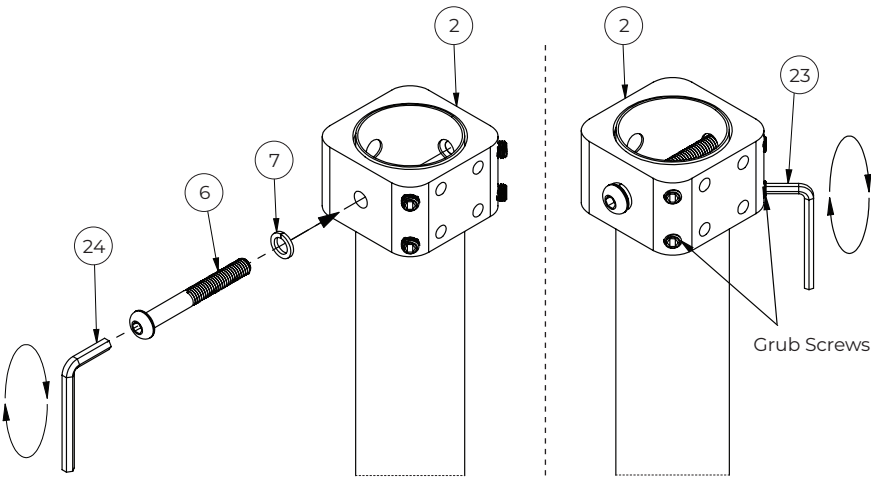
## 1. Fix Collar To Pole

i. Fit item 2 onto the top of Item 8.



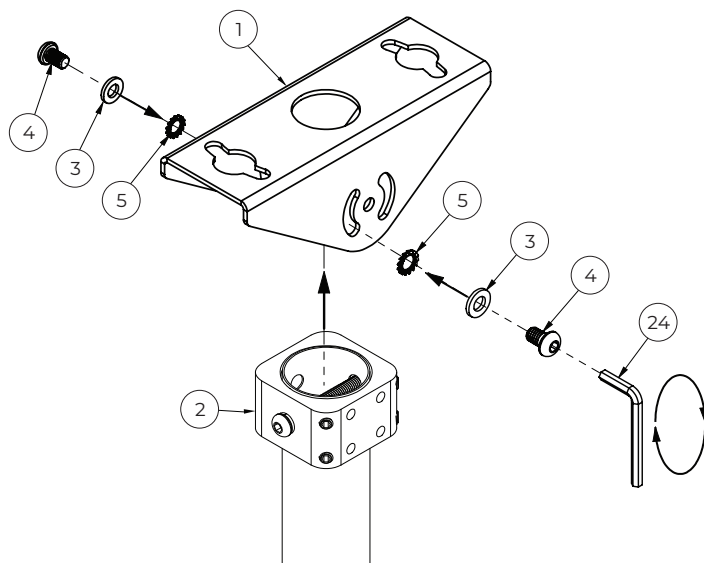
ii. Fix item 2 to item 8 using items 6 & 7.

iii. Tighten all the grub screws on item 2 evenly to the pole.

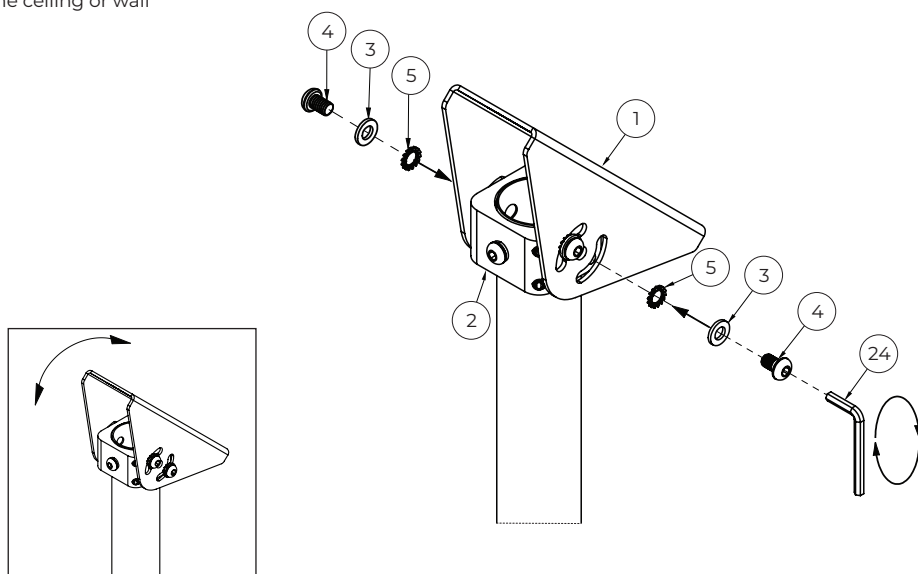


## 2. Mount Pole And Collar To Ceiling Plate

Set the required tilt angle by fitting *item 1* to *item 2* using *items 3, 4 & 5*.

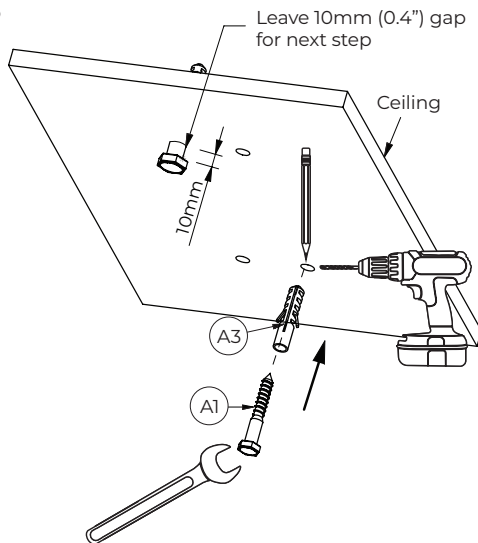


**Note:** The tilt angle can also be adjusted once mounted to the ceiling or wall



### 3. Mounting The Ceiling Plate To Ceiling

- i. Pre-drill holes in ceiling and prepare fixings for mounting *item 1*.
- ii. Assemble two fixing screws in place, corner to corner leaving a 10mm (0.4") gap between the screw head and ceiling.

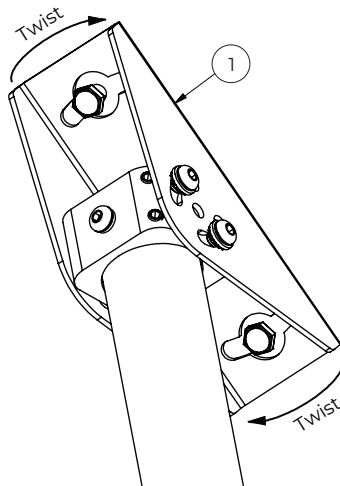
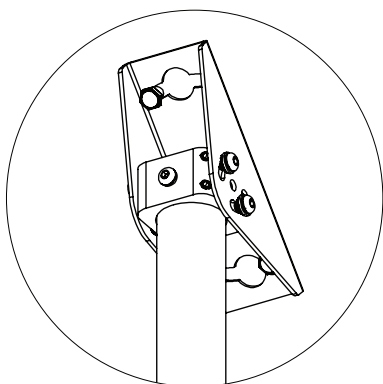


#### Important!

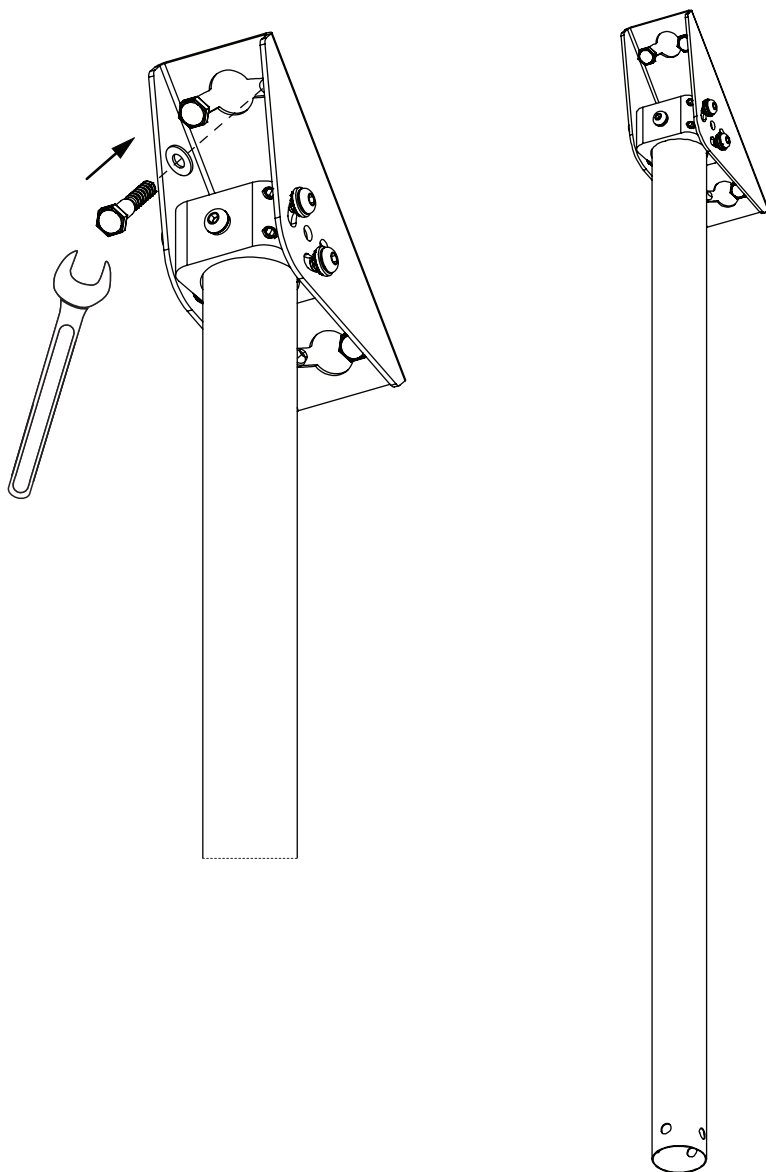
B-Tech highly recommends this product be installed by a suitably qualified person. The installer must be satisfied that the types of fixings used are suitable for the type of ceiling the product is to be mounted to. Care must be taken as to where this product is located, as some ceilings and walls are not suitable for installation. When drilling holes, knowledge must be obtained to avoid contact with any electrical cables and/or gas and water pipes contained within the ceiling or walls.

Ceiling plate dimensions are available on [page 15](#)

- iii. Hook *item 1* onto the fixing screws and twist into position.



iv. Assemble the remaining two fixings to secure *item 1* to the ceiling.

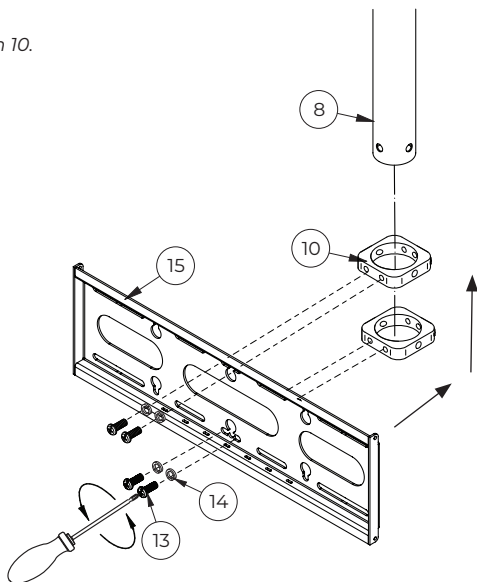
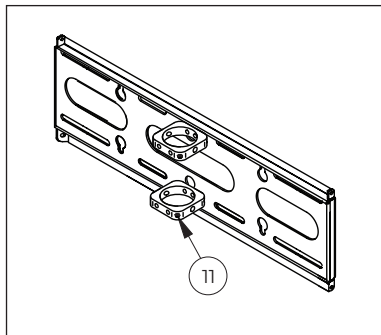


## 5. Assemble Mounting Plate Onto Pole

i. Fit *item 10* onto *item 15* using *items 13 & 14*.

**Note:** Ensure *item 11* is facing the back of *item 10*.

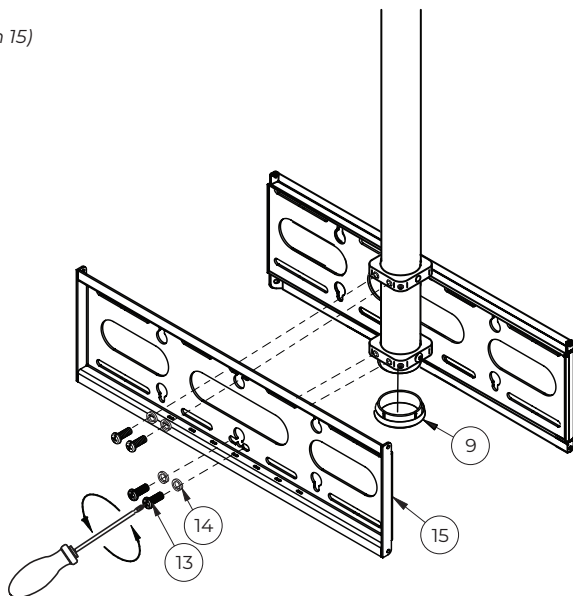
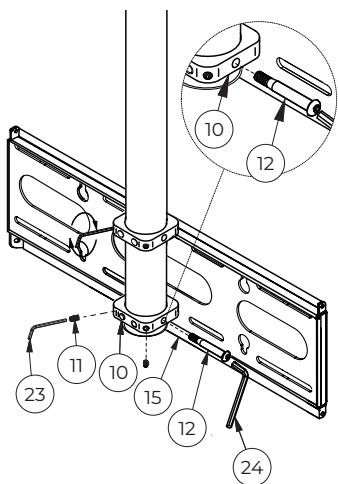
ii. Slide *item 10* onto *item 8*.



iii. Insert *item 12* through the bottom collar (*item 10*) and tighten all grub screws (*item 11*) on the rear of *item 10*.

iv. Connect the back mounting plate (*item 15*) onto *item 10* using *items 13 & 14*.

v. Fit *item 9* onto the bottom of *item 8*.

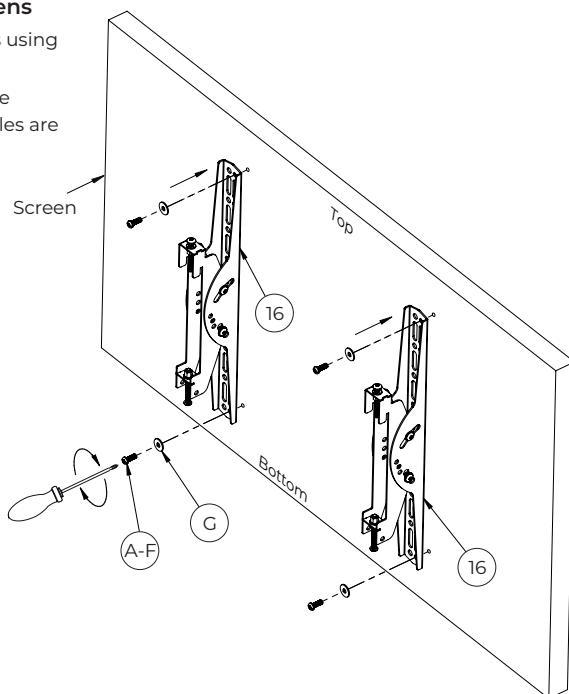
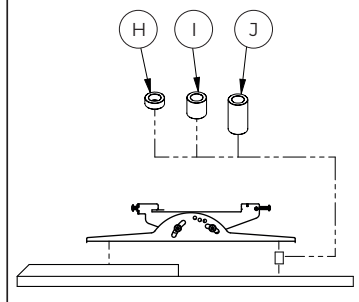


## 6. Attach Interface Arms To Screens

Fix *item 16* to the rear of the screens using *items A - F*.

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

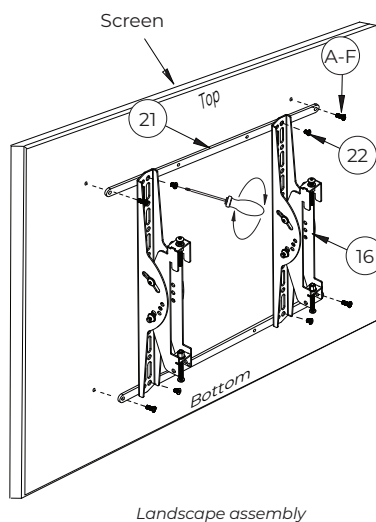
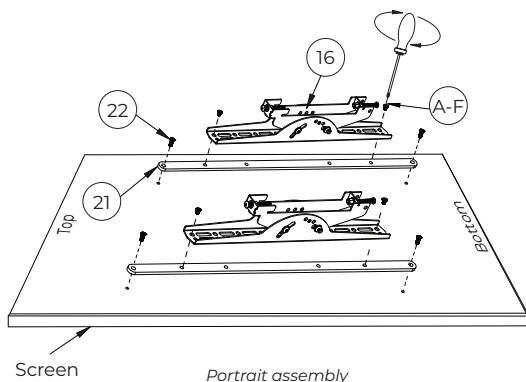
**Note:** Use spacers (*items H, I & J*) for screens with recessed fixings.



### 600mm Adaptor Arms

For screens with VESA 600 x 400mm fixings

- Attach *item 21* to *item 16* using *item 22*.
- Fix *item 21* to the rear of the screens using the screen fixing kit (*items A-F*).



## Installation Options

### Mounting An AV Device

Position the equipment on *item 15* so the cables have easy connection to the screen and use *item 26* to secure the device to the mounting plate (*item 15*).

Recommended AV equipment size:

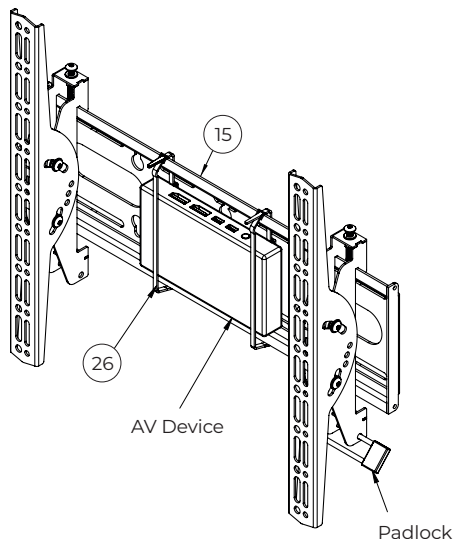
Depth up to 60mm (2.3")

Height up to 100mm (4")

If necessary use spacers with *item 16* to increase the depth available.

After mounting the screen it is possible to add a padlock (*not supplied*) to *item 16* preventing the screen from being easily removed.

Padlock hole size:  $\Phi 5\text{mm}$  (0.2")

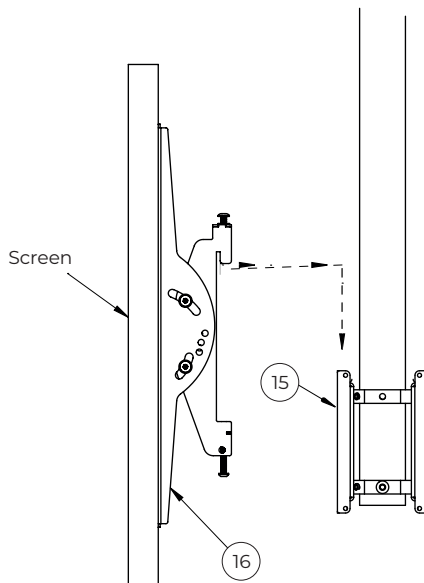
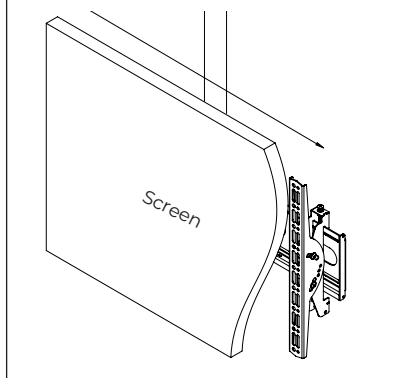


## 7. Mount Screens Onto Mounting Plate

- Using *item 16*, hook the 1st screen onto *item 15* (this may require two people).

### Optional **Lateral Adjustment**

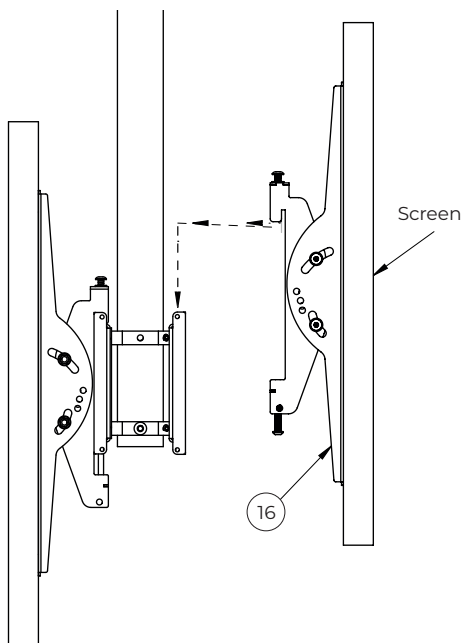
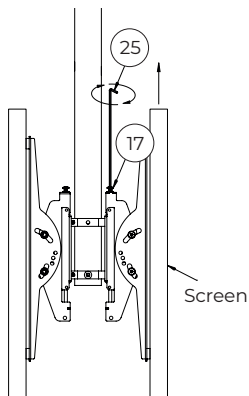
If necessary, once mounted adjust the screen laterally.



- ii. Hook the 2nd screen onto the back mounting plate (item 15).

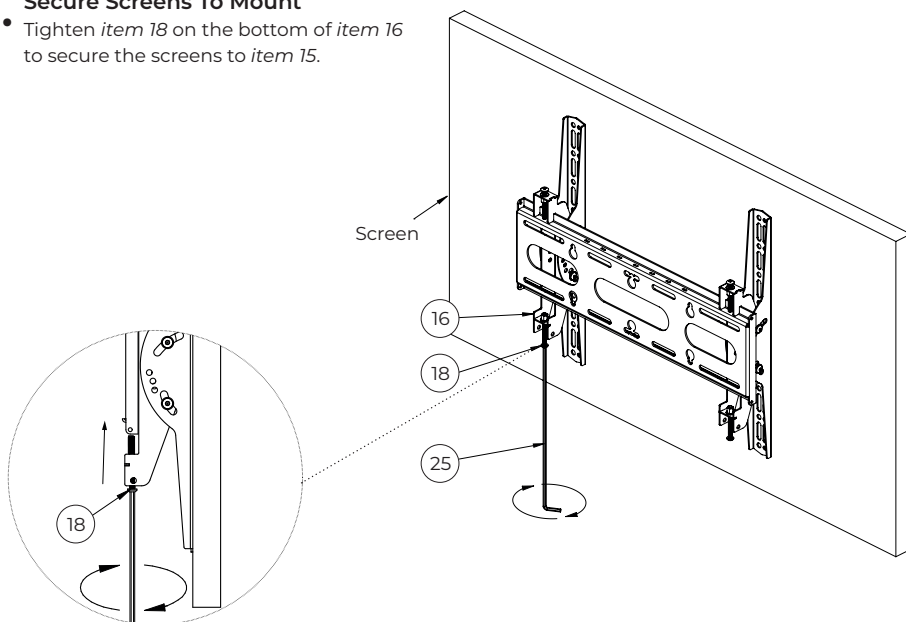
#### Optional **Screen Levelling**

If necessary, adjust item 17 on top of item 16 to level the screen.



## 8. **Secure Screens To Mount**

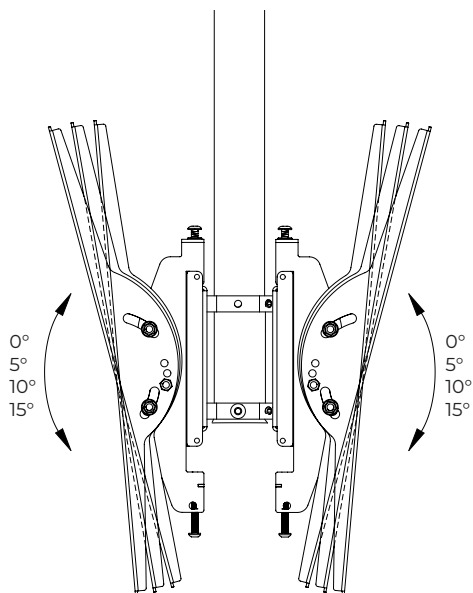
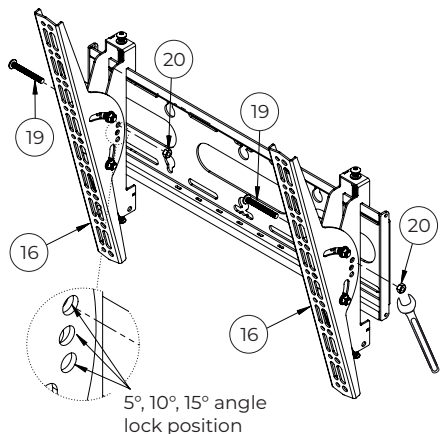
Tighten item 18 on the bottom of item 16 to secure the screens to item 15.



## 9. Tilt Adjustment

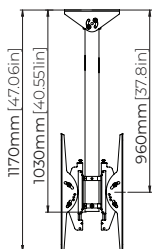
Adjust the screen tilt by hand.

Optional: Use *items 19 & 20* to lock interface arms (*item 16*) in tilt position.

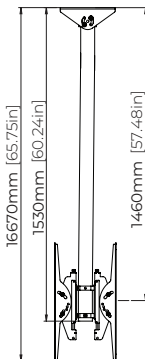


### Ceiling Drop

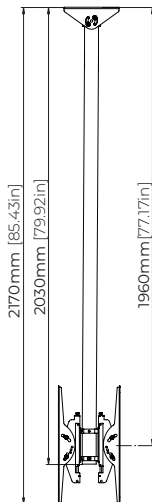
BT8428-100



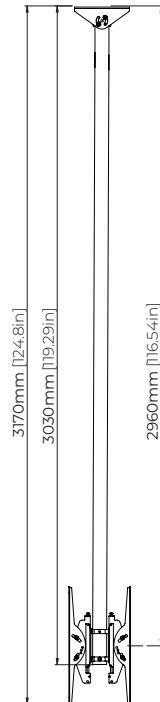
BT8428-150



BT8428-200



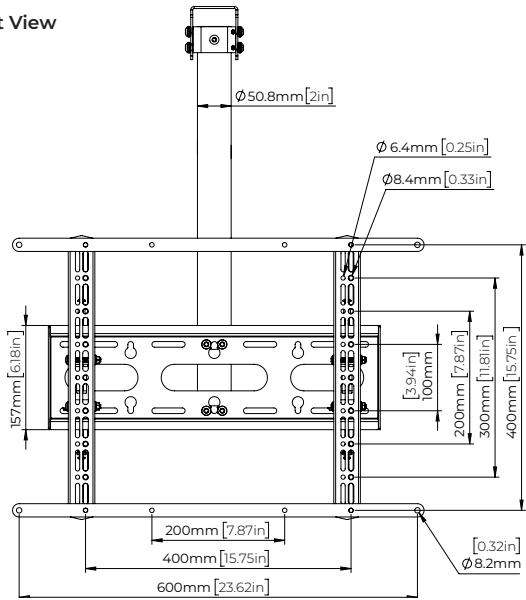
BT8428-300



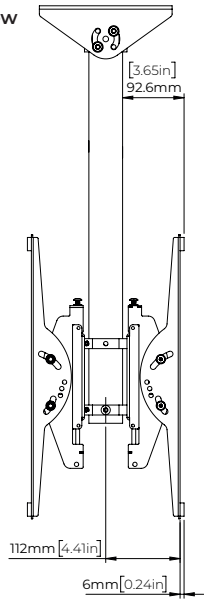
# BT8428 Dimensions

Please keep this for future reference

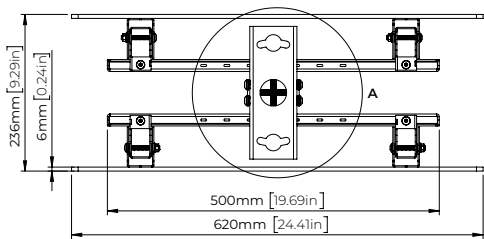
Front View



Side View

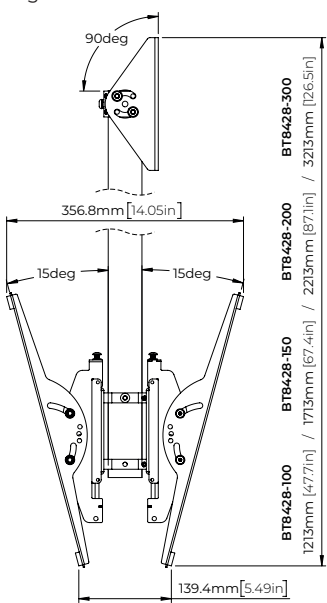


Top View



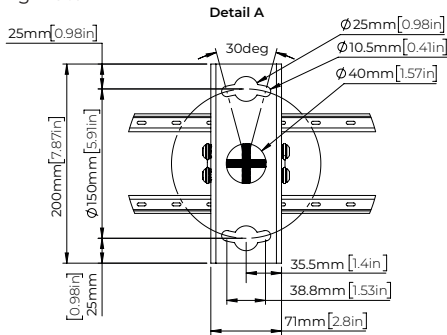
Side View

Tilt Range



Top View

Ceiling Plate



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

**BT8428**

**Contact:** [info@btechavmounts.com](mailto:info@btechavmounts.com)

©2025 B-Tech AV Mounts Corporation Ltd. All rights reserved.

B-Tech AV Mounts is a division of B-Tech AV Mounts Corporation 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 AV Mounts Corporation Ltd.

All other brands and product names are trademarks of their respective owners.

Any reproduction, retransmission or republication of any part of this manual is strictly prohibited, unless prior written permission has been granted by B-Tech AV Mounts Corporation Ltd.

Photographs are for illustrative purposes only. E&OE

AMA-BT8428-V3.1-0725-44 Made in the P.R.C.

