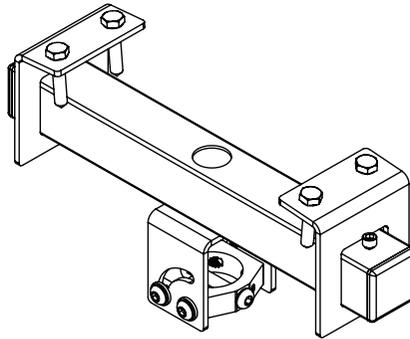


SYSTEM 

Girder / Purlin Mount

Use With A BT5935 Ø38mm Pole

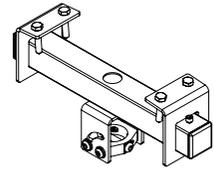
Installation Guide



- Designed to mount a Ø38mm (Ø1.5") pole to a girder / purlin including I-Beams, C-section, Z-section, Sigma-section purlins
- Max load: 40kg (88lbs)* *when mounting on one side of the pole*
 *Max load: 70kg (154lbs) *when mounting on both sides of the pole*
- The mount works with I-Beams from 65mm to 267mm (2.5" - 10.5") width
- The mount works with C / Z / Sigma-section purlins from 50mm to 230mm (2" - 9") width

Max Load	Tilt
 70kg [154lbs]	 90°

Installation Safety Notes	2
Parts List	4
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Typical Installations	10
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B-Tech Contact Details	12



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

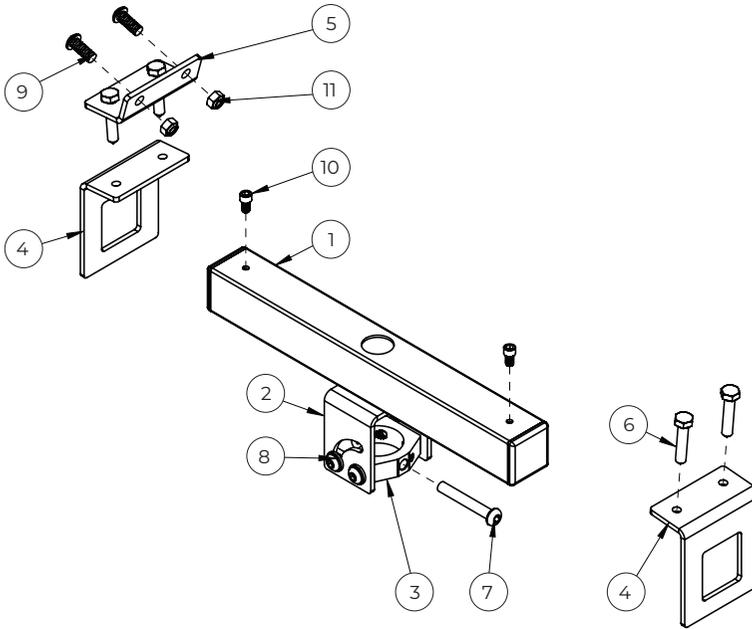
When routing cables take advantage of any built in cable management features that the product might provide and ensure that all cables are tidy and secure. Check to see that any moving aspect of the product can do so unhindered by any cabling. Some products have moving parts and the potential to cause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

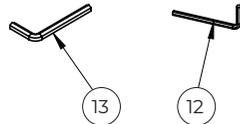
توصي بي-تيك للتجارة الدولية المحدودة بأن شخص محترف في تركيب ال AV أو شخص مؤهل تأهيلا مناسباً لتركيب هذا المنتج. بي-تيك للتجارة الدولية، موزعها والتجار ليست عرضة أو مسؤولة عن الأضرار أو الإصابات الناجمة عن تركيب غير سليم، والاستخدام غير السليم أو عدم مراعاة هذه التعليمات للسلامة. يجب أن يتم تركيب هذا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

BT5922 Parts List

Please keep this for future reference



Item	Description	Qty
1	Mounting Tube	1
2	Connector Plate	1
3	Ø38mm Collar	1
4	Clamp Plate	2
5	Support Plate (for Purlins)	1
6	M8 x 40mm Hex Cone Screw	4
7	M8 x 55mm Hex Screw	1
8	M8 x 15mm Hex Screw	4
9	M8 x 20mm Hex Screw	2
10	M6 x 10mm Cap Head Hex Screw	2
11	M8 Nyloc Nut	2
12	3AF Hex Key	1
13	5AF Hex Key	1

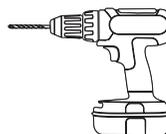


Installation Tools Required

Drill

Pencil

Spanner



Suitable for loads up to 70kg (40kg when mounting on only one side of the pole)*

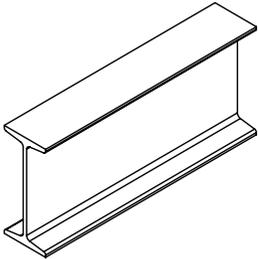
*See Typical Installations on page 10 for more information on weight distribution

Installation Notes

The product works with I-Beams, C-section, Z-section, Sigma-section purlins

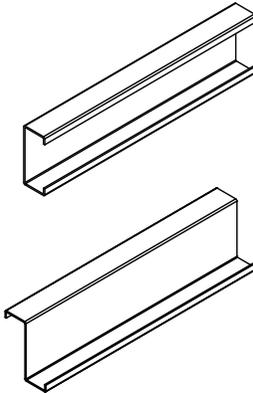
I-Beam

Use with I-Beams:
65mm to 267mm (2.5" - 10.5") width

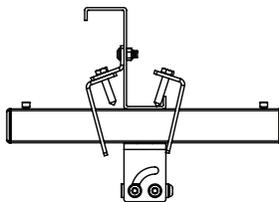
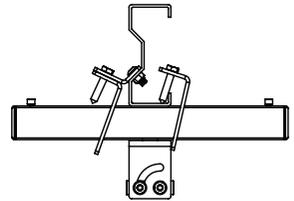
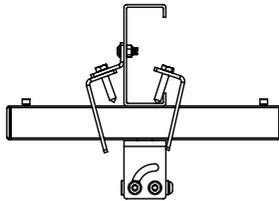
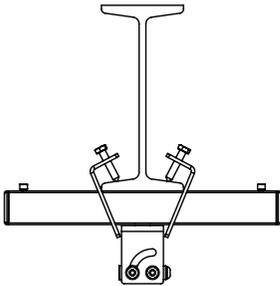
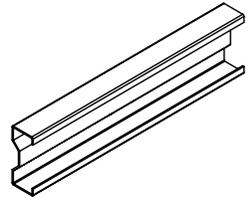


C & Z-Section Purlins

Use with C/Z/Sigma-section purlins:
50mm to 230.5mm (2" - 9") width



Sigma-Section Purlin



Installation Instructions

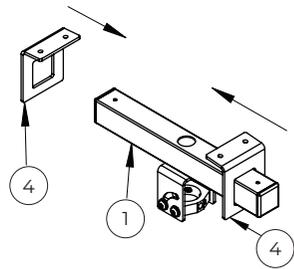
1. Assemble The Clamp

Note: There are 3 different ways to assemble the clamp depending on the type of girder/purlin.

A. Assembly for I-Beam mounting

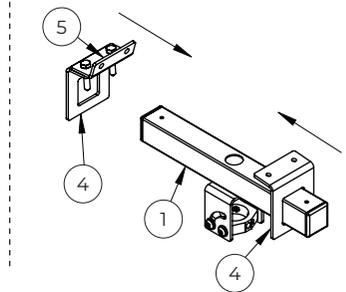
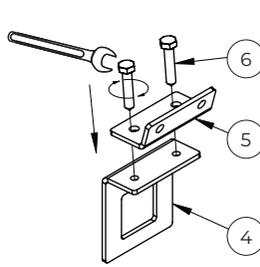
- i. Depending on the type & size of the I-Beam, slide *item 4* on *item 1*.

Note: *Item 5* is not required for I-Beam mounting



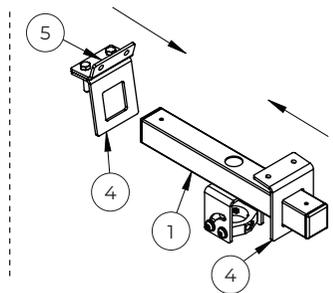
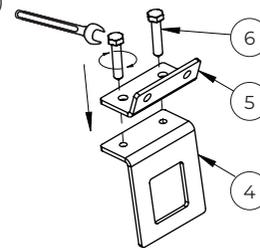
B. Assembly for C-section or Z section Purlins

- i. Attach *item 5* to *item 4* by fully tightening *item 6*.
- ii. Depending on the type & size of the purlin, position *items 4 & 5* on *item 1*.

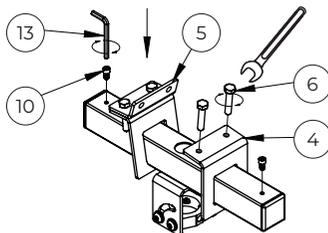


C. Assembly for Sigma-section Purlin

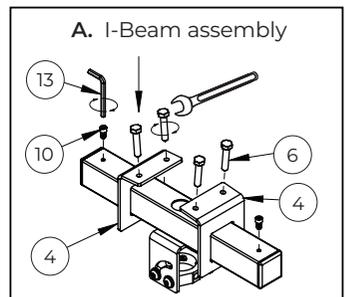
- i. Attach *item 5* to *item 4* (as shown) by fully tightening *item 6*.
- ii. Depending on the type & size of the purlin, position *items 4 & 5* on *item 1*.



- iii. Fix *item 10* to *item 1* and add *item 6* to *item 4* (do not fully tighten).



A. I-Beam assembly



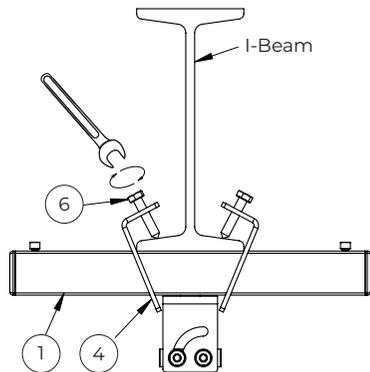
2. Attach Clamp To The Girder / Purlin

A. I-Beam Mounting

65mm - 267mm (2.5" - 10.5") Width

Adjust item 1 to the middle of the I-beam and then tighten *item 6*.

Note: If the I-beam/girder is tilted from the floor then please see the note on page 10.

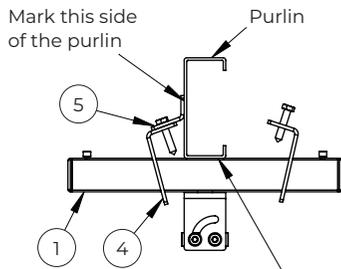


B. C / Z-Section Purlins

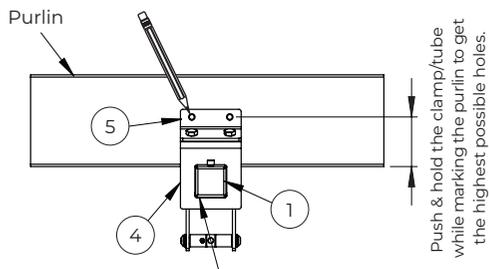
50mm - 230.5mm (2" - 9") Width

Drill holes through the purlin and use *items 9 & 11* to attach *item 5* to the purlin.

- i. Adjust *item 1* to the middle of the purlin and hold it so that the tube touches the bottom of the purlin when marking, at the same time, push and hold *item 4* upwards to get the highest possible holes from the bottom edge of the purlin.

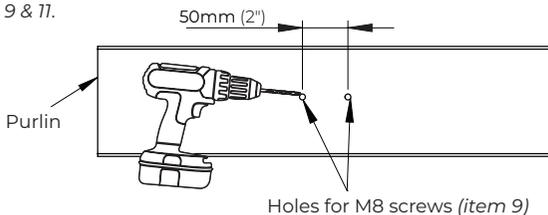


Note: Ensure *item 1* touches the purlin when marking the holes.



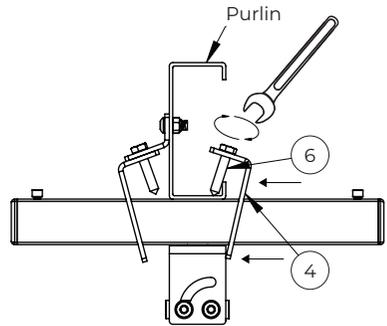
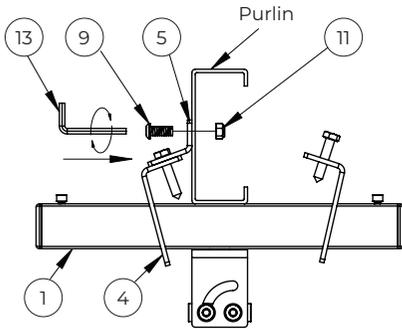
Note: Ensure this edge of *item 4* is always in contact with the bottom side of *item 1* whilst marking the holes.

- ii. Drill the holes 50mm (2") apart for *items 9 & 11*.



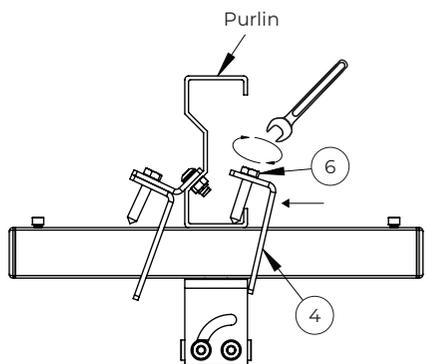
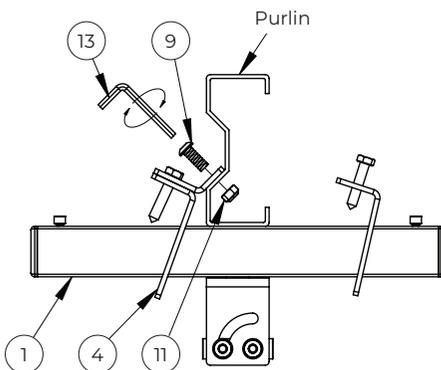
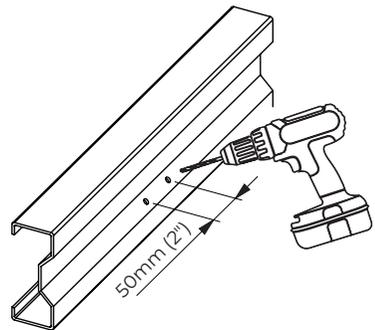
B. iii. Attached *item 5* to the purlin using *items 9 & 11*.

iv. Adjust *item 4* onto the purlin and fully tighten *item 6*.



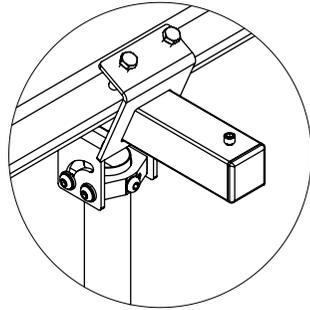
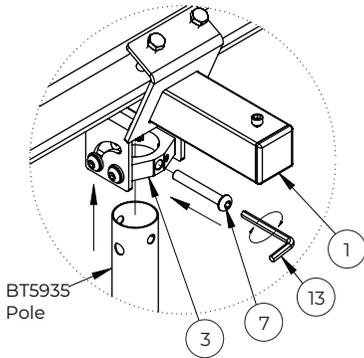
C. Sigma Section Purlin

Follow **Step B** procedures to mark & drill the holes through the Sigma section purlin, then use *items 9 & 11* to fix *item 5* to the purlin. Once item 5 has been bolted to the purlin, adjust *item 4* on the other side and tighten to the purlin using *item 6*.

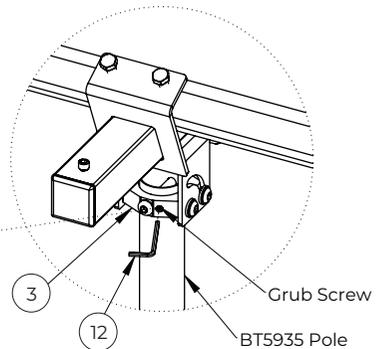
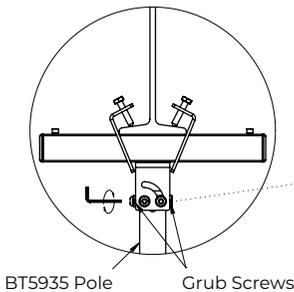


3. Connect A Ø38mm Pole To The Mount

- i. Insert the pole into the collar and tighten *item 7* through holes on the pole and *item 3*.

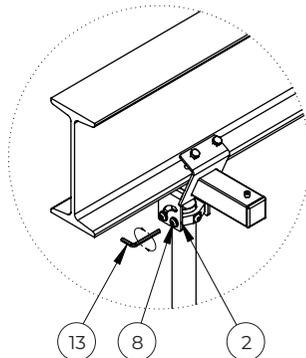
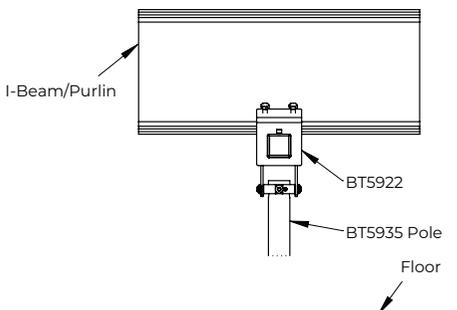


- ii. Tighten the grub screws on *item 3* to make sure the pole has been fully secured to the mount.



- iii. If the I-Beam / Purlin is parallel with the floor tighten 4x *items 8* to *item 2*.

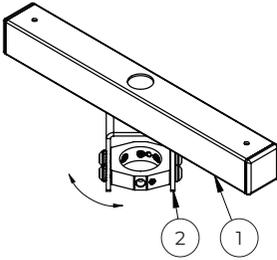
Note: Always make sure the pole has been installed perpendicular with the floor.



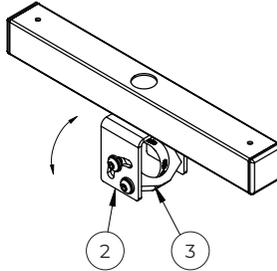
Note: Please see the next page if the I-beam/girder is tilted from the floor.

Installing On A Tilted I-Beam / Purlin

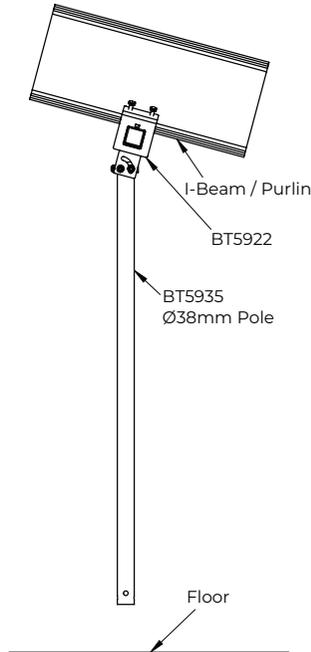
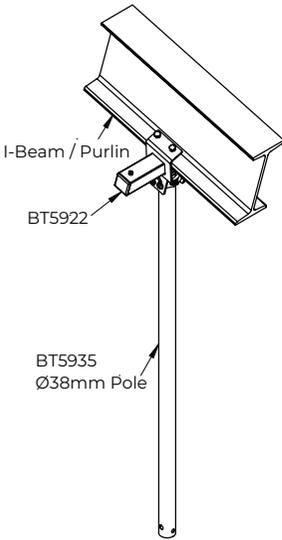
If the I-Beam / Purlin is tilted from the floor then make sure the pole is installed perpendicular with the floor by adjusting the tilt angle on *items 2 & 3*.



Item 2 can swivel 360° around item 1.



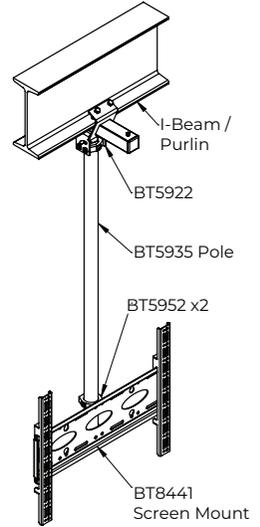
Item 3 can tilt 90° on item 2.



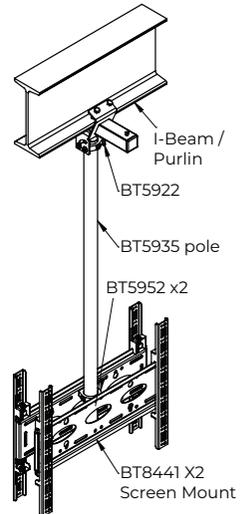
Important! After the installation has been completed check that all fixing screws have been fully tightened.

Example Installations

Single screen mounted
Max load: 40kg (88lbs)



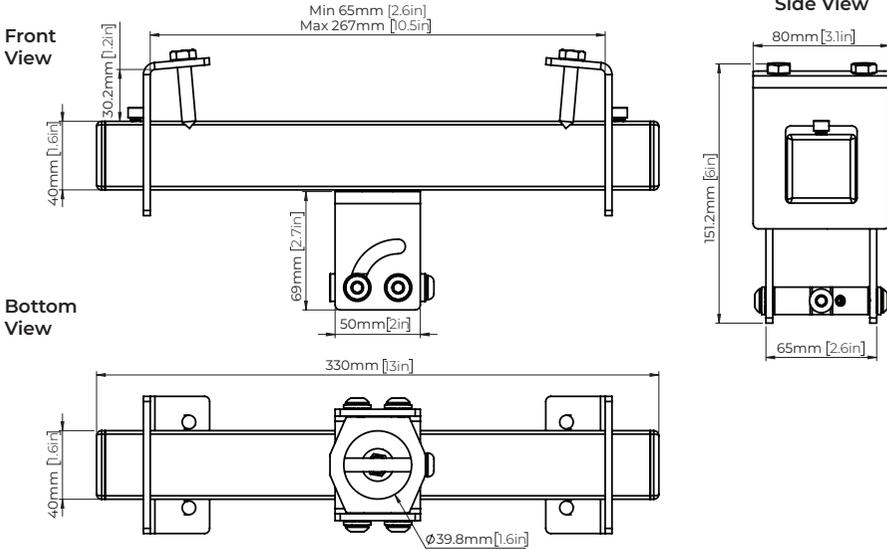
Back-to-back screens mounted
Max load: 70kg (154lbs)



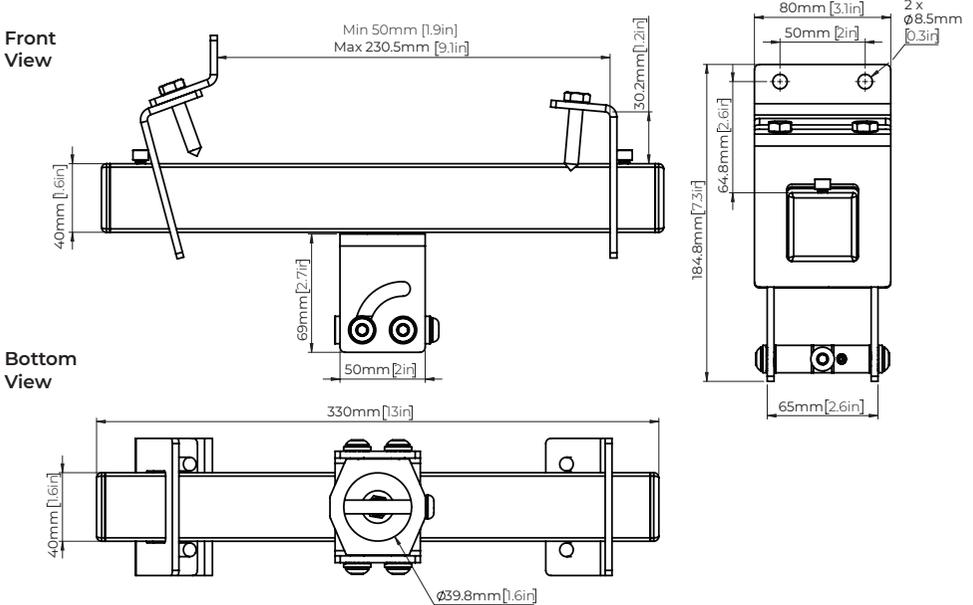
BT5922 Dimensions

Please keep this for future reference

I-Beam



Purlin



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