



BT899XL-FD

FIXED DROP PROJECTOR CEILING MOUNT WITH MICRO-ADJUSTMENT INSTALLATION GUIDE & PARTS LIST

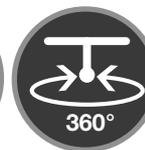
This Pack Contains 1 Mount

PLEASE KEEP THIS FOR FUTURE REFERENCE



FEATURES

- Ceiling mount designed for projectors up to 25kg (55lbs)
- +/-13° tilt adjustment, +/-6° roll adjustment and 360° swivel
- Optional micro-adjustment for perfect alignment of projected images
- Unique 'Carousel' mounting plate for universal compatibility
- Maximum distance between any two fixing points 493mm
- Suitable for angled/cathedral ceilings
- Includes Ø50mm extension pole
- Suitable for projectors using M2.5, M3, M4, M5 and M6 fixings
- Theft deterrent security screws provided as standard (excludes M2.5 and M3 fixings)
- Integrated cable management for a smart installation
- All mounting hardware & fixings included



Registered Design N°s: 001713306-0004 / 002741256-0008

CONTENTS

Installation Safety Notes.....	2
Parts List.....	4
Installation Instructions.....	6
Product Dimensions.....	15
B-Tech Contact Details.....	16

INSTALLATION TOOLS REQUIRED

13mm spanner or socket



Crosshead screwdriver



Drill



10mm masonry bit or 6mm wood bit



Pencil



B-TECH AV MOUNTS

www.btechavmounts.com

INSTALLATION SAFETY INSTRUCTIONS



CAUTION: This ceiling mount is intended for use only with the maximum weights indicated. Use with projectors 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 Design & Manufacturing Ltd, 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 Design & Manufacturing 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. Some ceilings are not suitable for installation. For indoor use only. 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 into 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 Design And Manufacturing Ltd. doporučuje provést instalaci tohoto produktu instalátora AV či jinak způsobilé osoby. Společnost B-Tech International Design And Manufacturing Ltd, její distributoři a prodejci nenesou prostřednictvím odborného odpov ědnost 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 International Design And Manufacturing Ltd. empfiehlt, dass dieses Produkt durch einen qualifizierten AV-Techniker oder eine andere Person mit geeigneter Qualifikation installiert wird. B-Tech International Design And Manufacturing Ltd, 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.

ES

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

B-Tech International Design And Manufacturing Ltd. consiglia di affidare l'installazione di questo prodotto a un installatore specializzato o ad altra persona adeguatamente qualificata. B-Tech International Design And Manufacturing Ltd. 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.

NL

B-Tech International Design And Manufacturing Ltd. adviseert om dit product te laten installeren door een professionele AV-installateur of andere hiervoor gekwalificeerde persoon. B-Tech International Design And Manufacturing Ltd, 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 International Design And Manufacturing Ltd. zaleca, aby ten produkt był instalowany przez profesjonalnych instalatorów AV lub inny odpowiednio przeszkolony personel. Firma B-Tech International Design And Manufacturing 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 u żytkowania nie wolno przekraczać podanego maksymalnego obciążenia.

PT

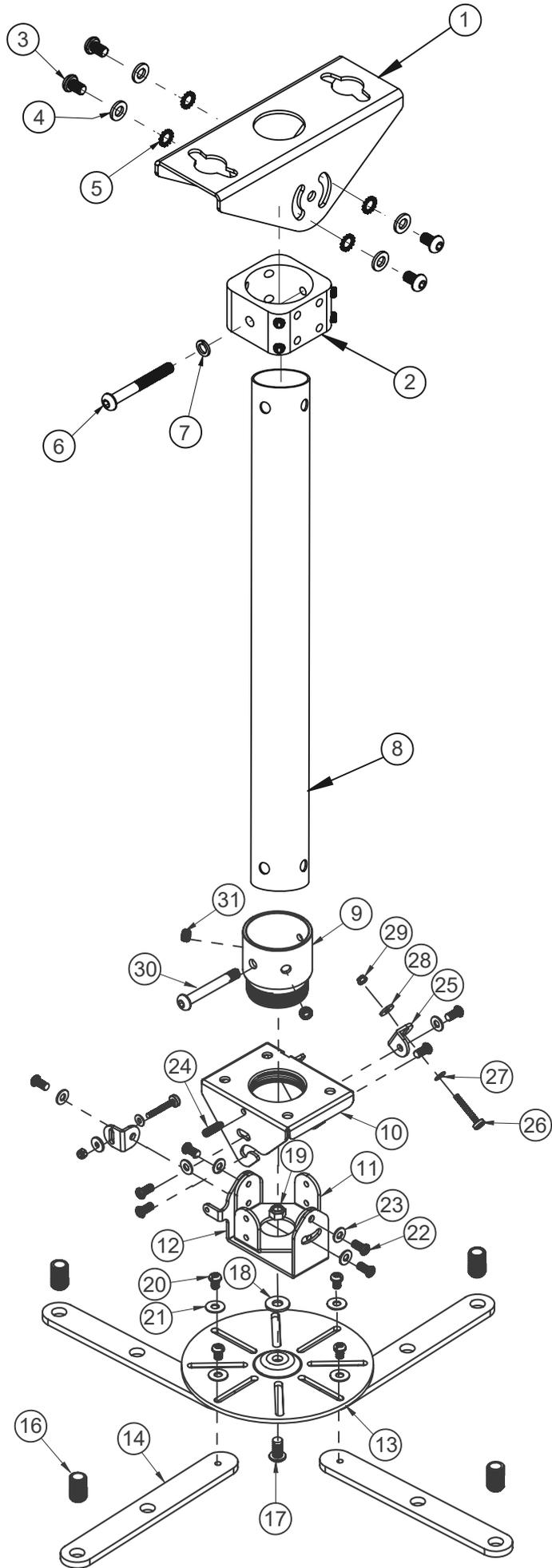
A B-Tech International Design And Manufacturing Ltd. recomenda que a instalação deste produto seja efectuada por um instalador de AV instalador de AV profissional ou outra pessoa devidamente habilitada. A B-Tech International Design And Manufacturing Ltd. e os seus distribuidores e concessionários não 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

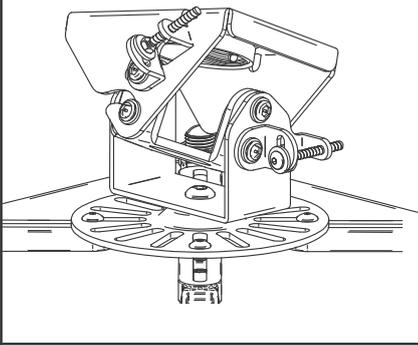
Компания B-Tech International Design And Manufacturing Ltd. рекомендует, чтобы установка данного изделия производилась инженером по установке аудио-видеотехники или другим специалистом с соответствующей квалификацией. Компания B-Tech International Design And Manufacturing Ltd. ее дистрибьюторы и дилеры не несут ответственности за повреждения или травмы, полученные в результате неправильной установки. Данное изделие должно

توصي بي- تك للتجارة الدولية المحدودة بأن شخص محترف 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 استخدامه فقط لدعم الحد الأقصى للوزن المشار إليه.

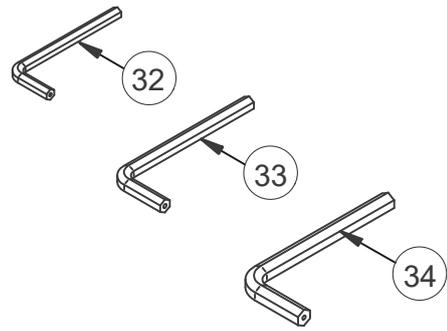
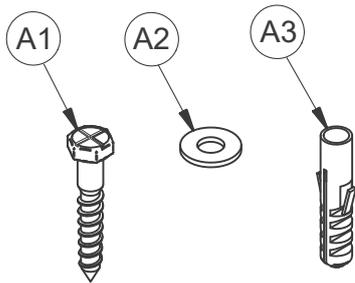
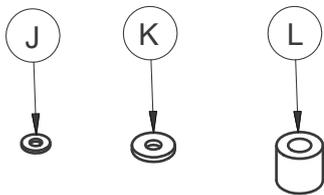
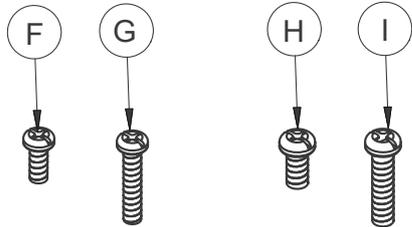
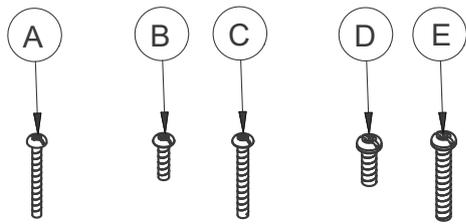
BT899XL-FD PARTS LIST



Micro-adjustment assembled



Suitable for loads
up to 25kg



ITEM	INTERFACE KIT	QTY
A	M2.5 x 25mm SCREW	4
B	M3 x 12mm SCREW	4
C	M3 x 25mm SCREW	4
D	M4 x 12mm SCREW	4
E	M4 x 25mm SCREW	4
F	M5 x 12mm SCREW	4
G	M5 x 25mm SCEW	4
H	M6 x 12mm SCREW	4
I	M6 x 25mm SCREW	4
J	M3 METAL WASHER	4
K	M4 METAL WASHER	4
L	ID6.5 T12mm SPACER	4
FIXING KIT		
A1	M8 x 50mm COACH SCREW	4
A2	M8 OD18 T1.5mm WASHER	4
A3	N° 10 x 50mm WALL PLUG	4

ITEM	PART NAME	QTY
1	CEILING PLATE	1
2	Ø50mm COLLAR	1
3	M8 x 12mm SCREW	4
4	M8 WASHER	4
5	M8 LOCK WASHER	4
6	M8 x 65mm SAFETY BOLT	1
7	M8 SPRING WASHER	1
8	EXTENSION POLE	1
9	POLE ADAPTOR	1
10	MOUNTING PLATE	1
11	JOINING PLATE	1
12	SWIVEL PLATE	1
13	CAROUSEL	1
14	LONG LEG	4
15	SHORT LEG	4
16	MOUNTING SCREW	4
17	M8 x 16mm HEX SCREW	1
18	M8 T2mm PLASTIC WASHER	1
19	M8 NYLOC NUT	1
20	M6 x 8mm SCREW	4
21	M6 T1mm METAL WASHER	4
22	M6 x 12mm SECURITY SCREW	8
23	M6 T1.2mm METAL WASHER	6
24	M6 x 20mm GRUB SCREW	1
25	MICRO ADJUSTMENT BRACKET	2
26	M4 x 30mm SECURITY SCREW	2
27	M4 T1mm METAL WASHER	2
28	M4 T1.6mm PLASTIC WASHER	2
29	M4 NYLOC NUT	2
30	M8 x 60mm SAFETY BOLT	1
31	M10 x 6mm GRUB SCREW	2
32	3mm HEX KEY	1
33	4mm SECURITY KEY	1
34	5mm SECURITY KEY	2

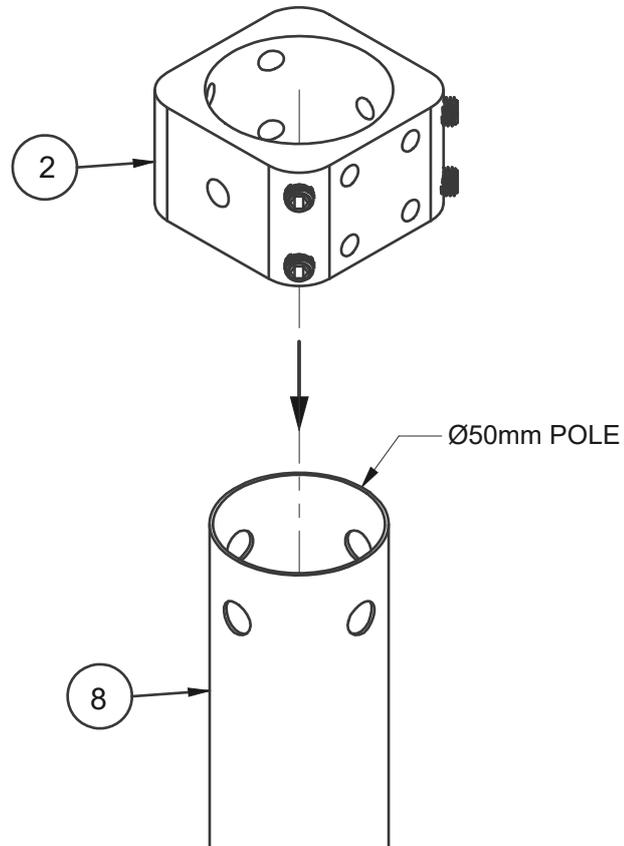
PLEASE KEEP THIS FOR FUTURE REFERENCE

INSTALLATION INSTRUCTIONS

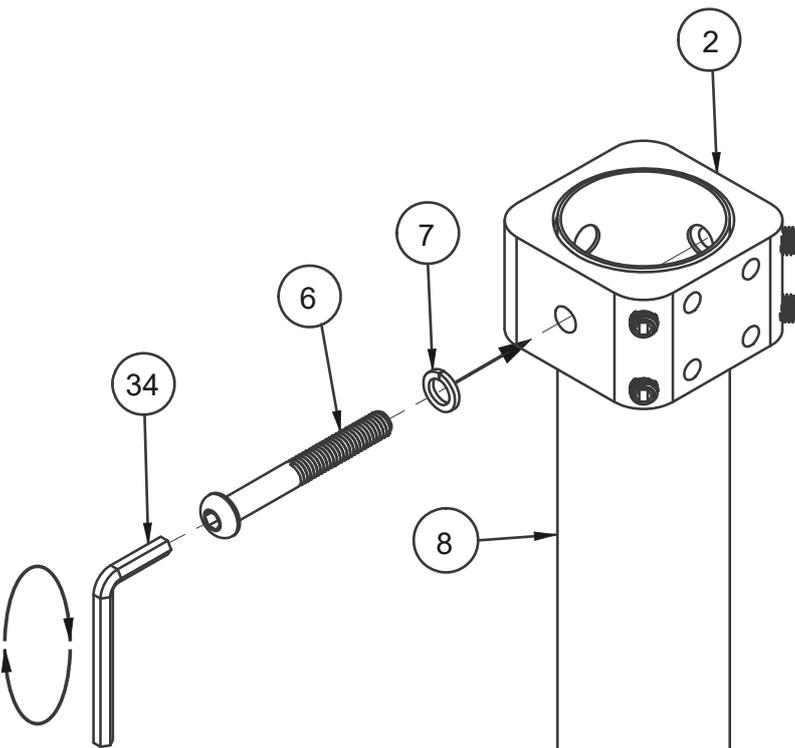
1

Assemble Pole to Collar

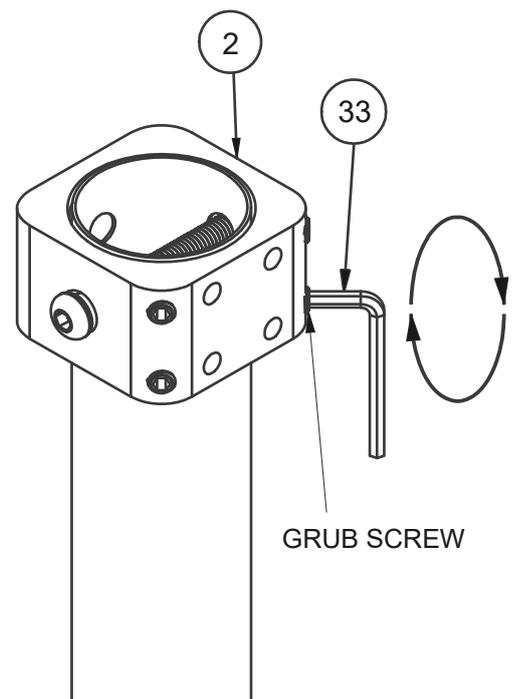
i. Slide item 2 onto item 8.



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



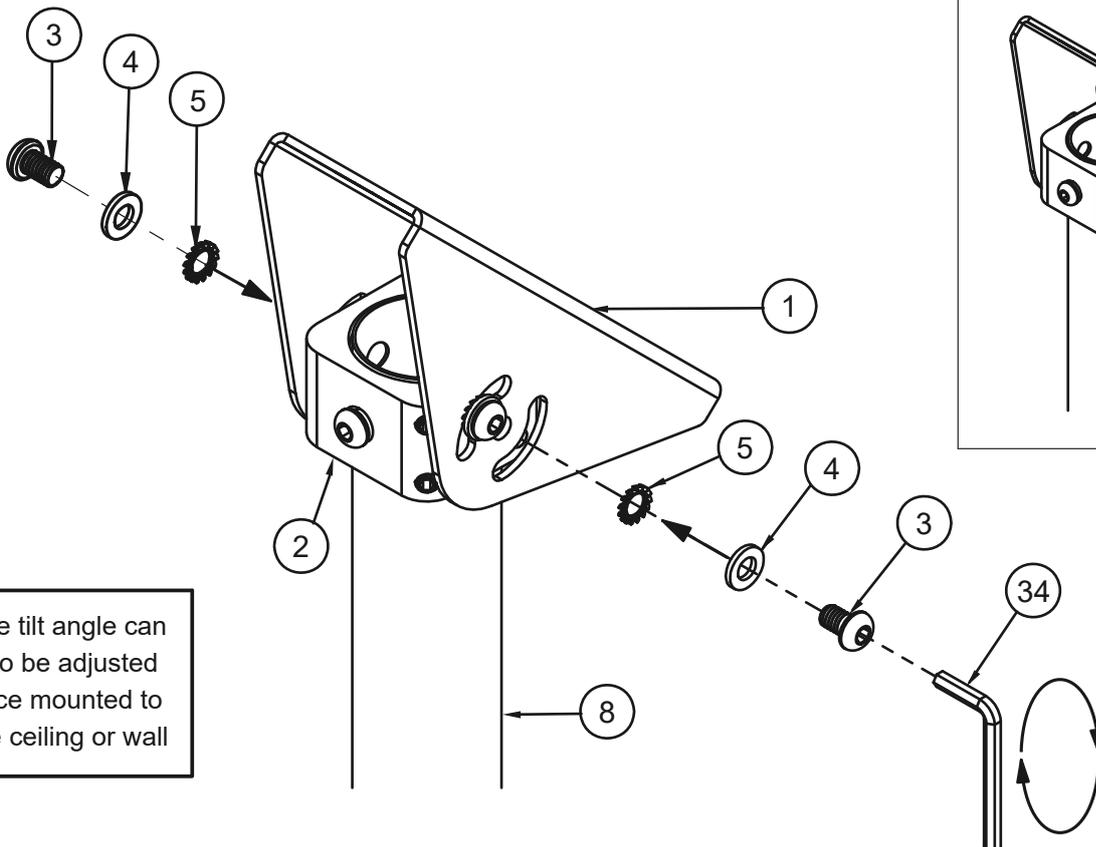
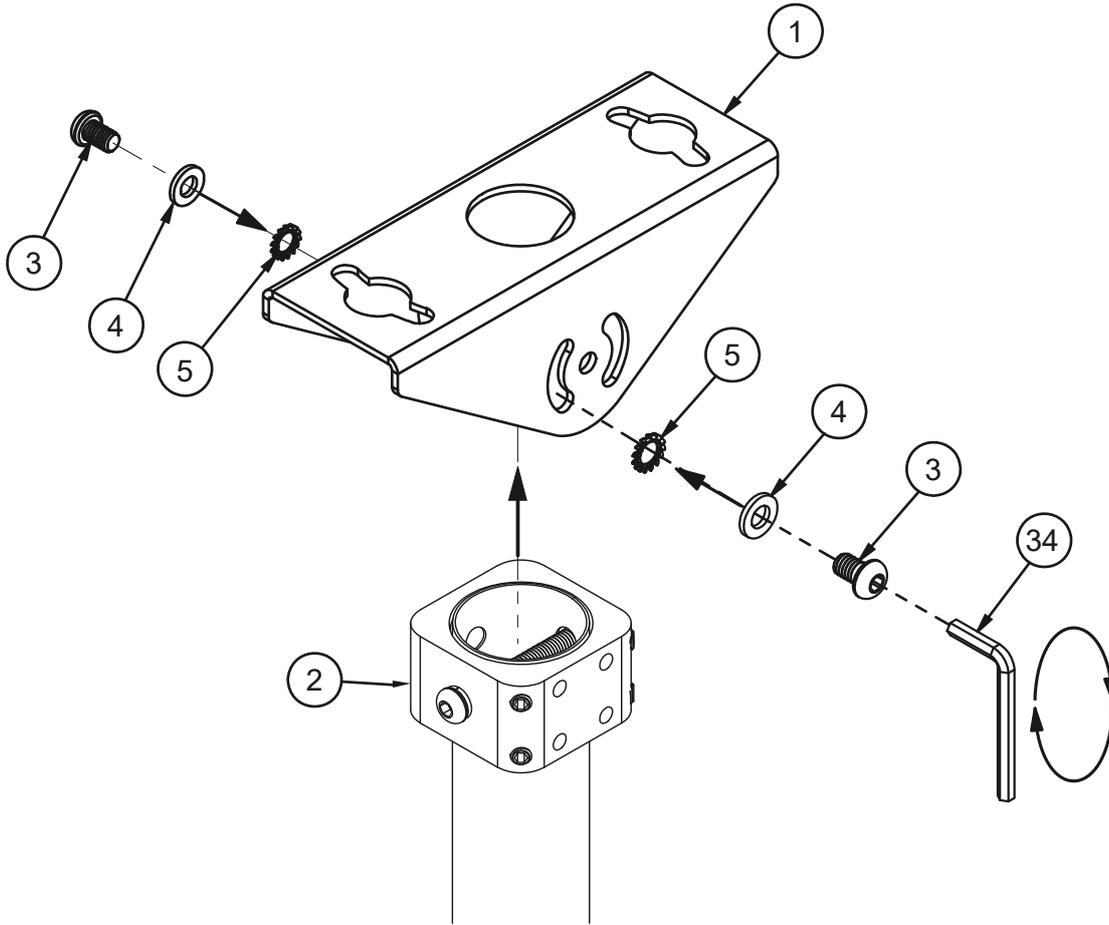
iii. Tighten the grub screws evenly on item 2 using item 33.



2

Mount Pole and Collar to Ceiling Plate

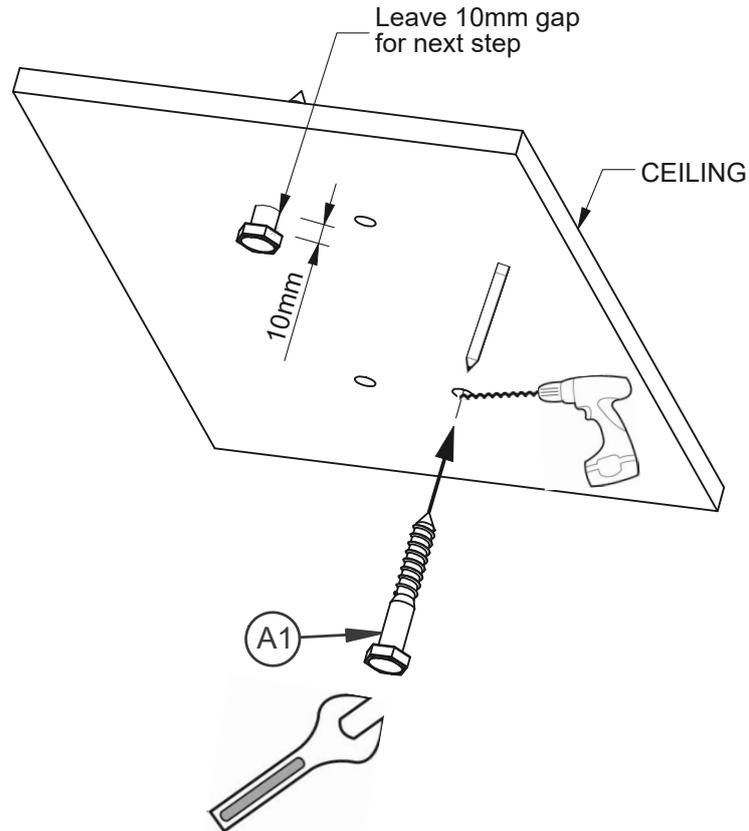
Set the required tilt angle when fitting item 2 to item 1, using items 3, 4 & 5. Tighten with item 34.



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

Mounting the Ceiling Plate to Ceiling / Wall

- i. Pre-drill holes for ceiling fixings.
- ii. Assemble two fixing screws in place, corner to corner leaving a 10mm gap between the screw head and ceiling.



Ceiling plate dimensions are available on page 15

⚠ IMPORTANT ⚠

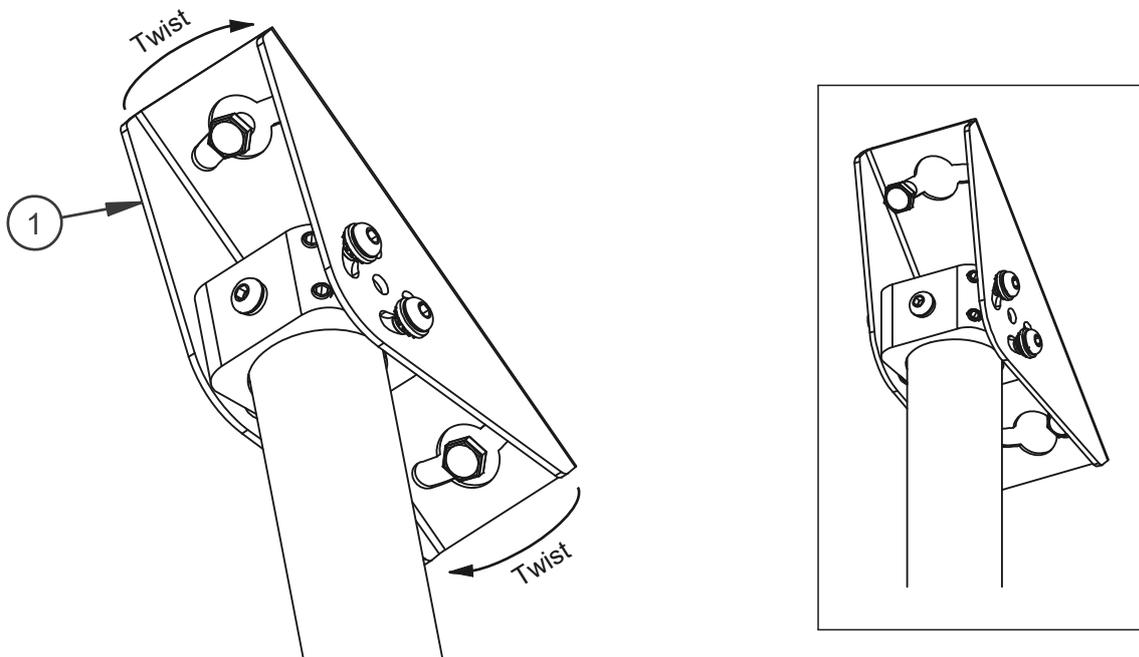
B-Tech highly recommends this product be installed by a suitably qualified person.

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.

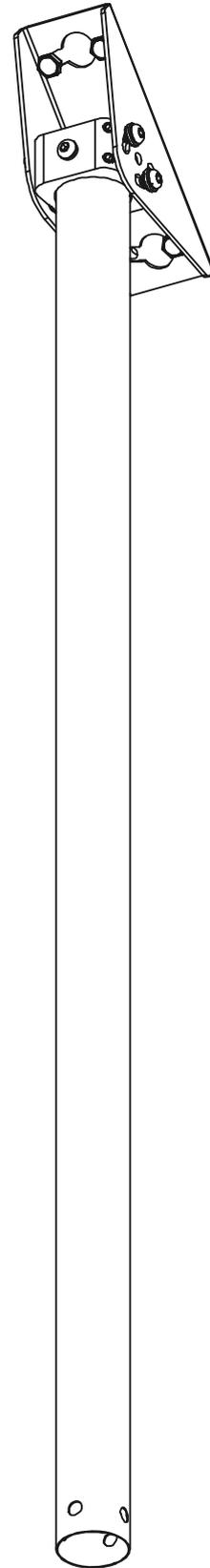
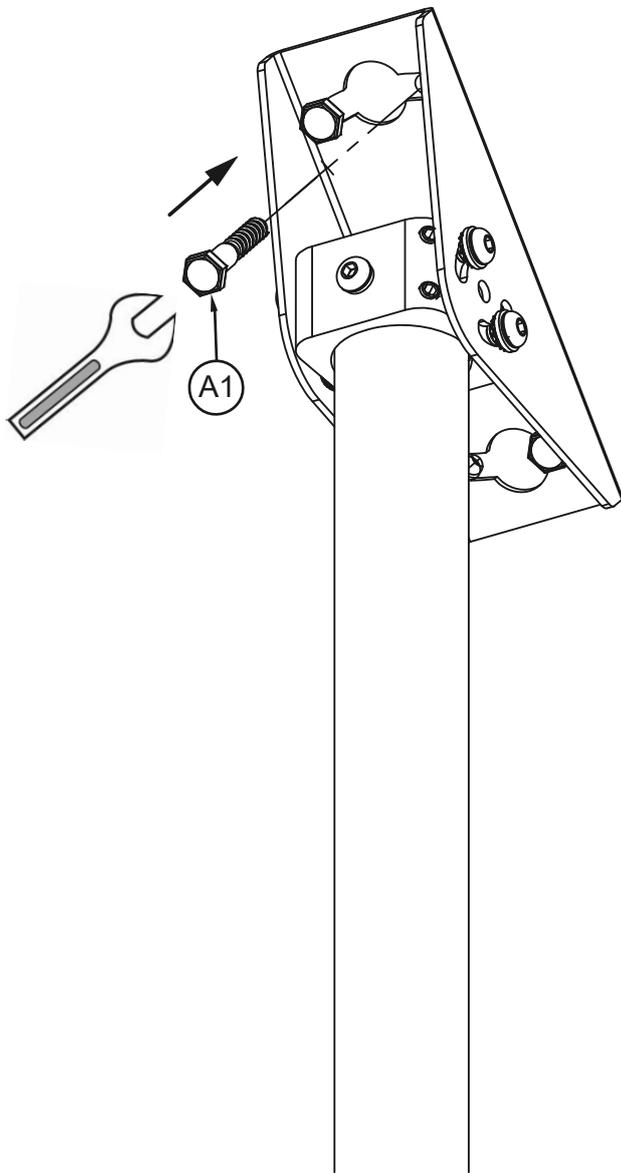
Care must be taken as to where this product is located, as some ceilings and walls are not suitable for installation.

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.

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

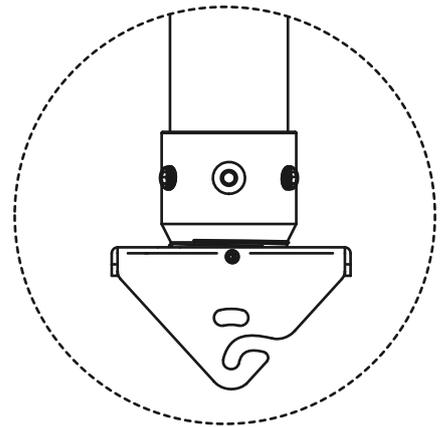
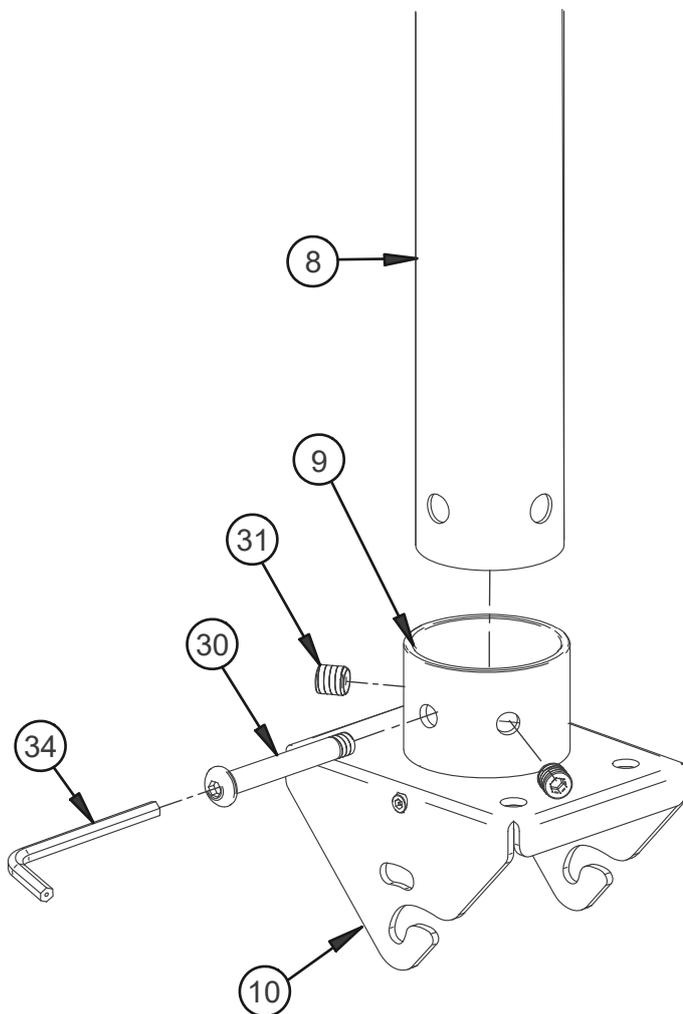
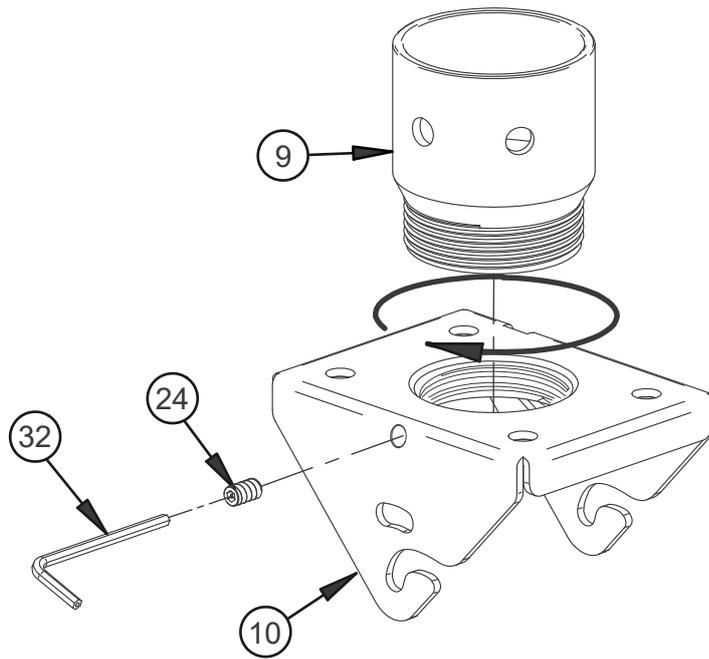


iv. Assemble the remaining two fixings to secure the ceiling plate.

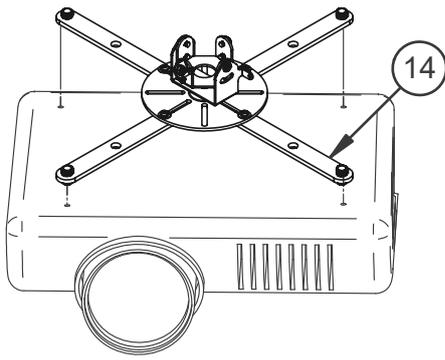


Attach Mounting Plate to Pole

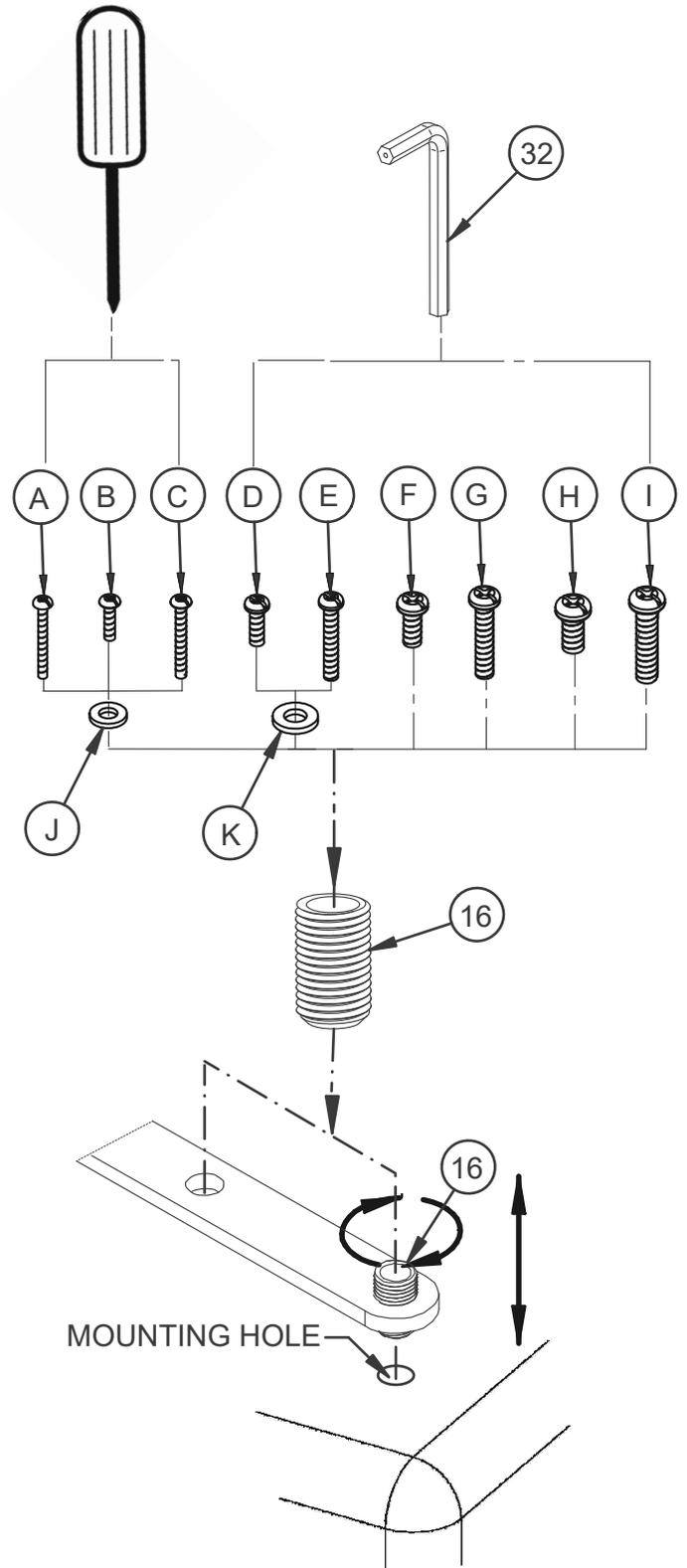
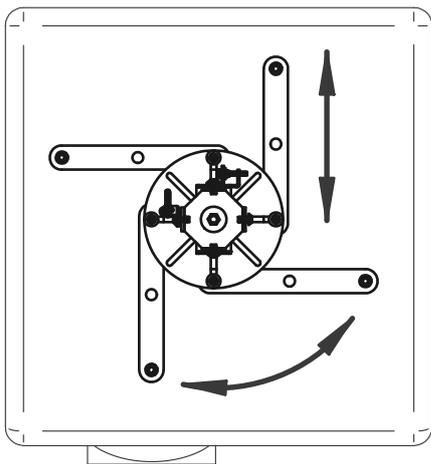
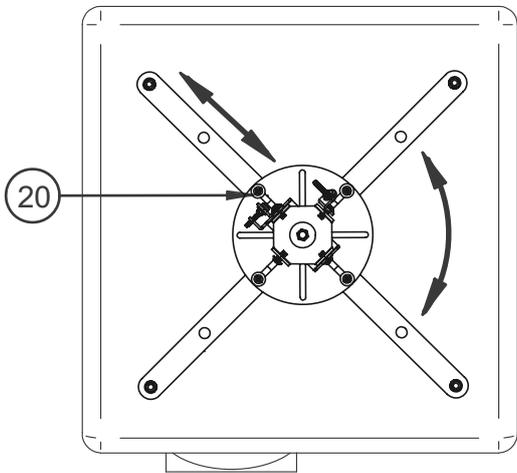
Connect item 8 to item 10 using item 9.



Attach Interface Assembly to Projector

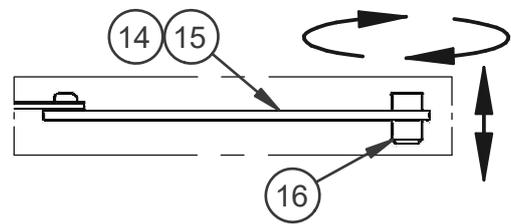
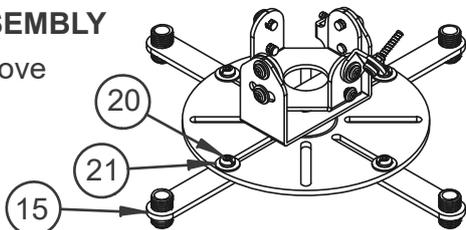


Loosen part 20, adjust legs then re-tighten.



SHORT LEG ASSEMBLY

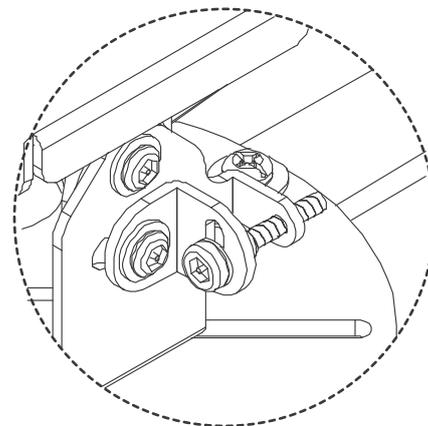
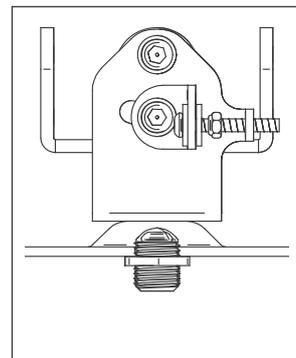
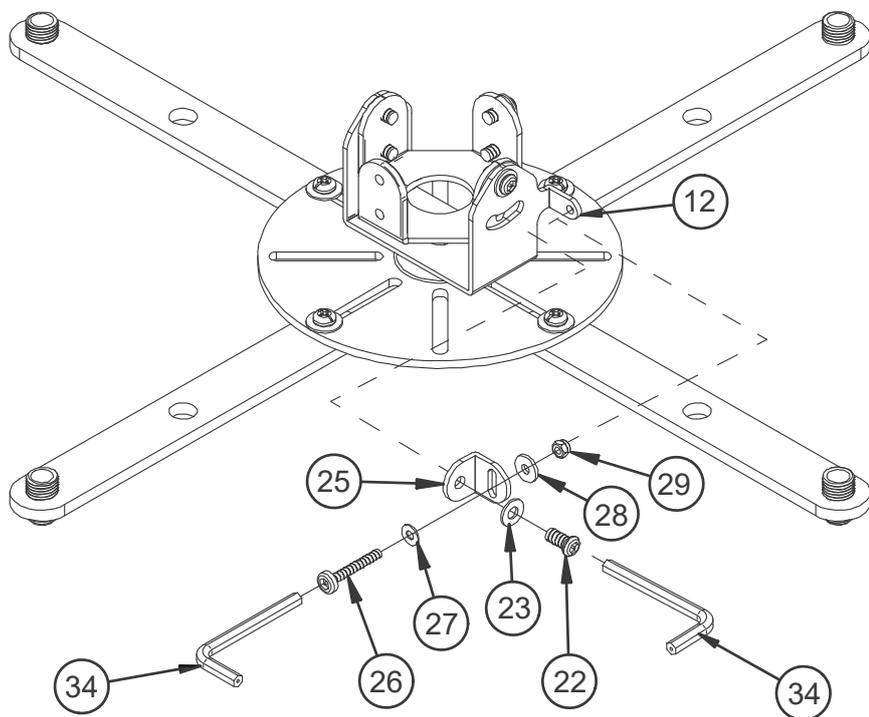
Unfasten and remove parts 20 & 21 and replace part 14 with part 15



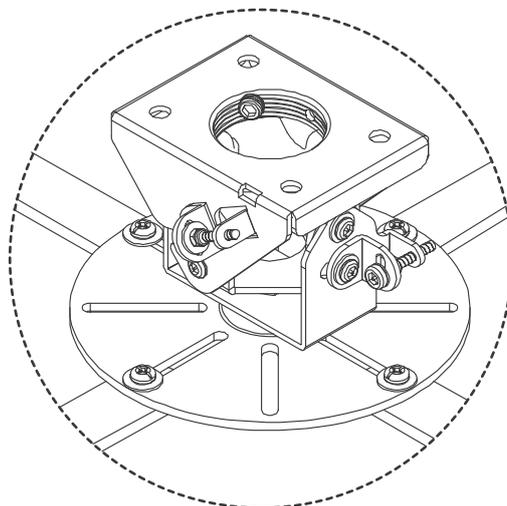
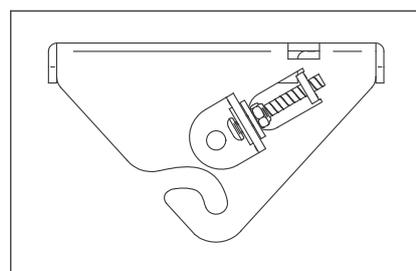
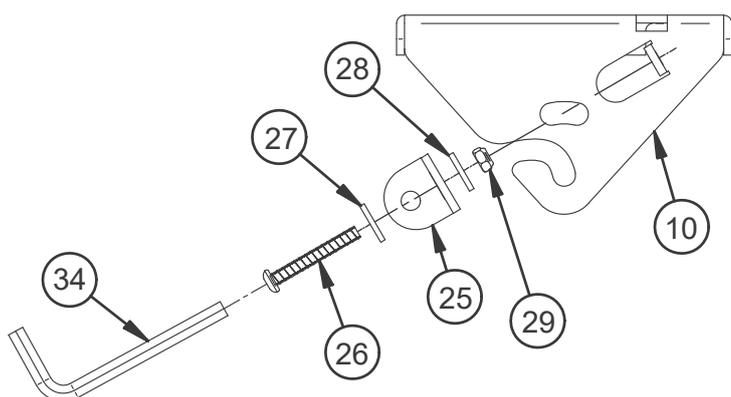
Optional Micro-Adjustment

For a precise post-installation alignment of the tilt or roll, the micro-adjustment can be installed as shown. If the micro-adjustment is not required proceed to Step 7.

i. Roll micro-adjustment

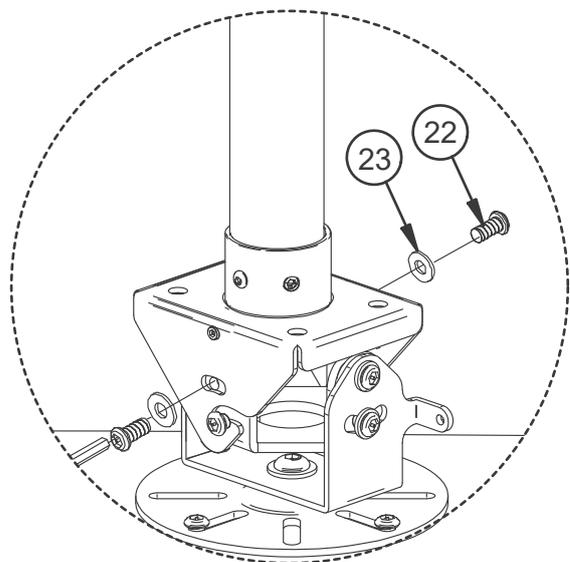
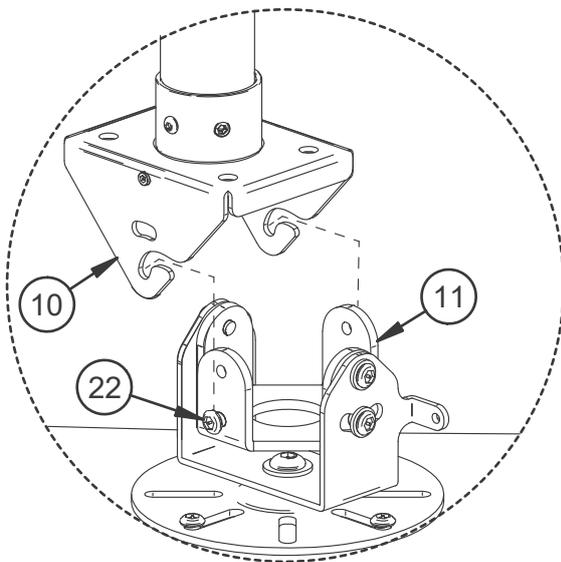
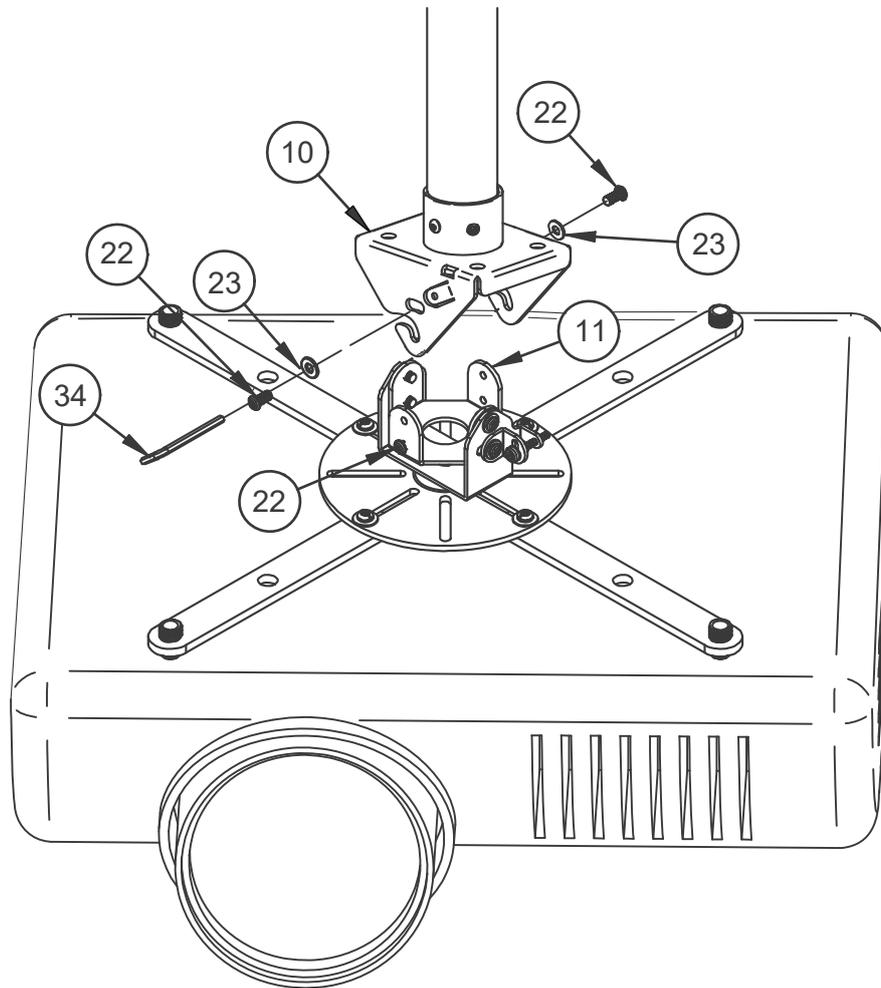


ii. Tilt micro-adjustment



Hook Projector onto Ceiling Mount

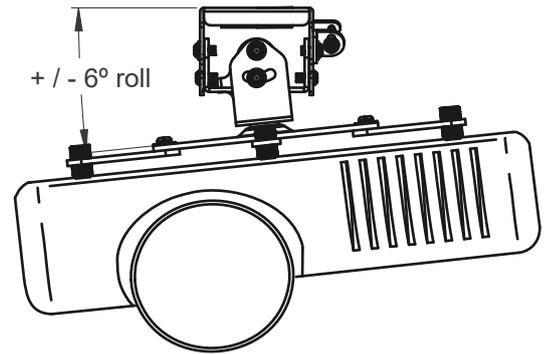
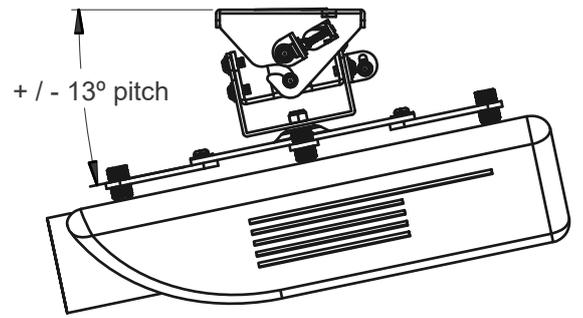
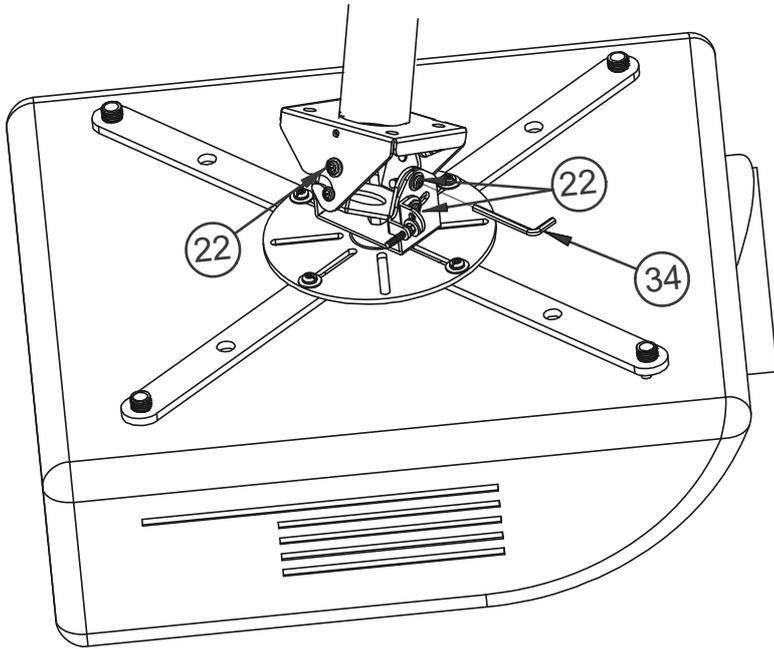
Connect item 11 to item 10 using items 22.



8

Adjusting the Projector

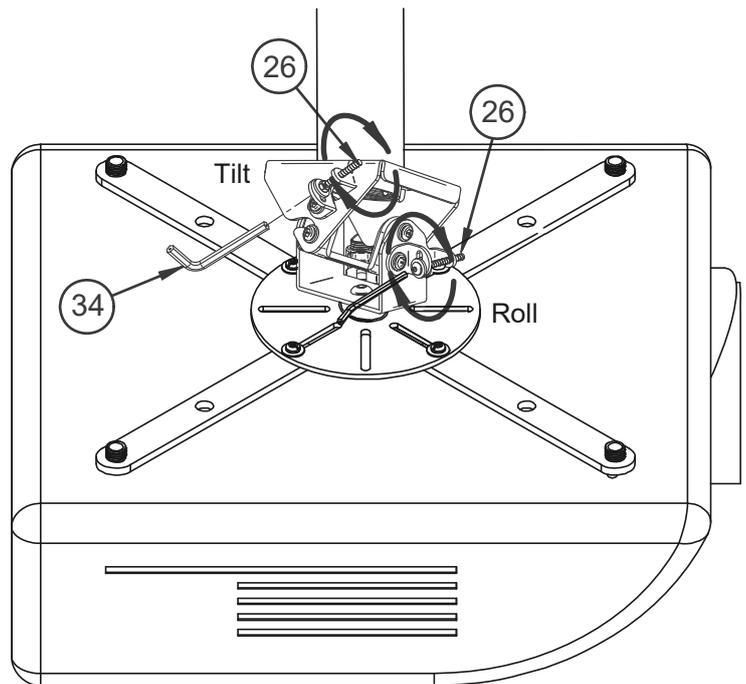
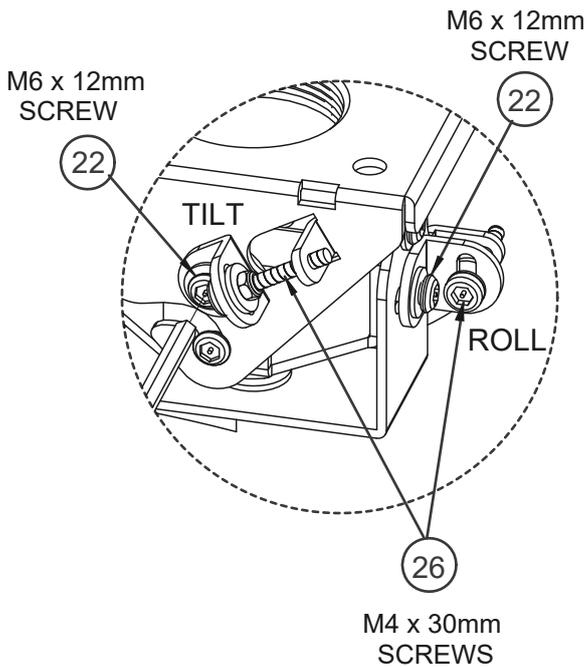
i. To tilt/roll, loosen items 22, adjust and re-tighten.



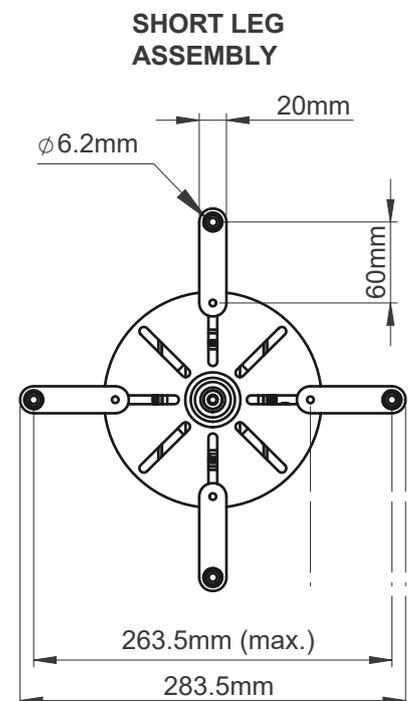
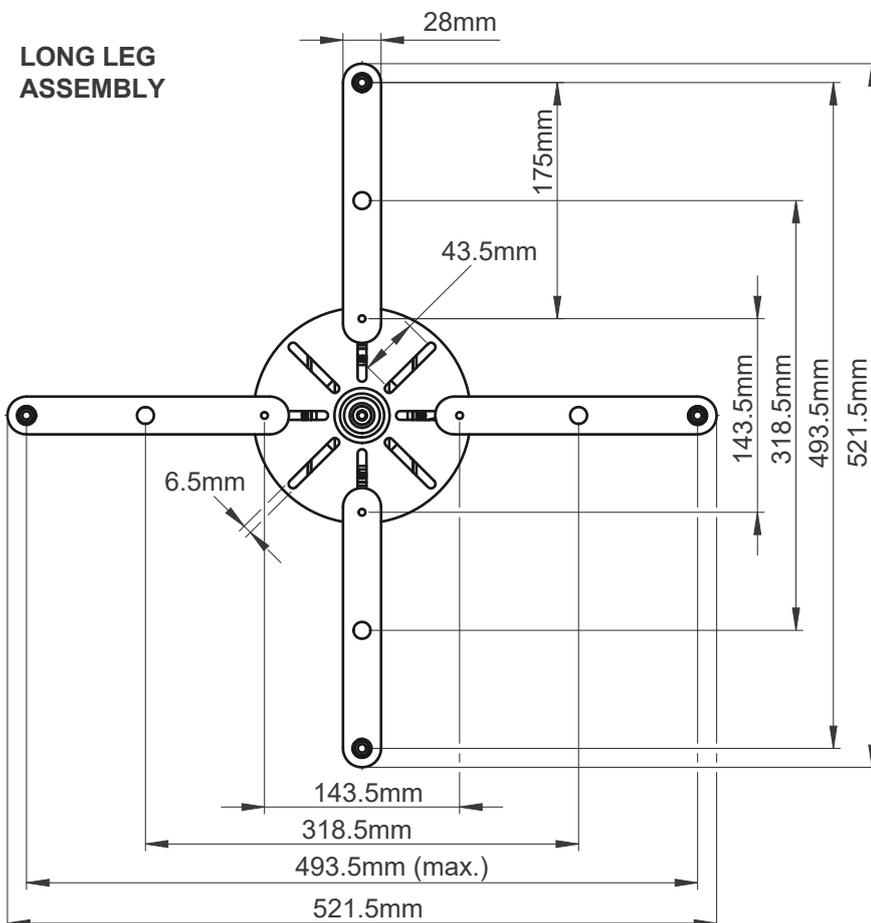
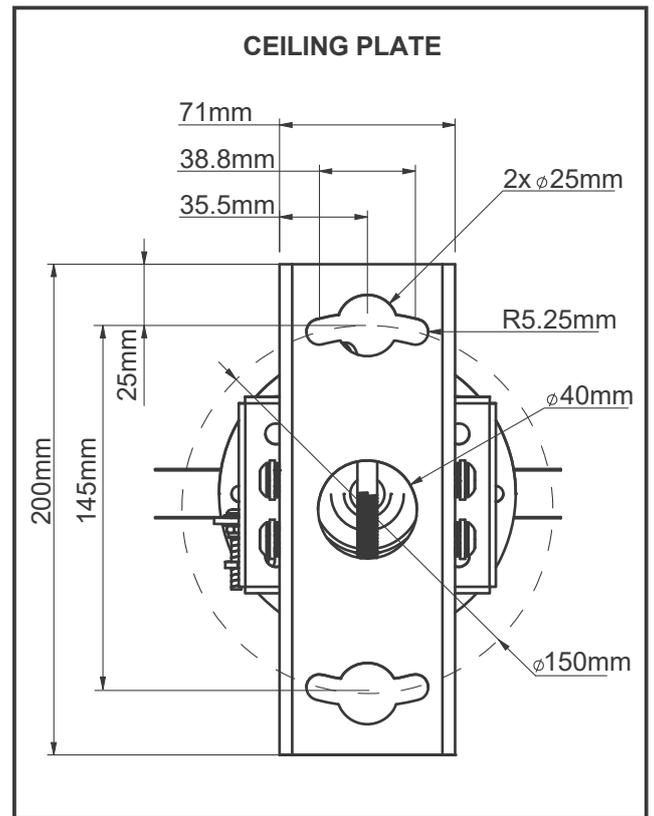
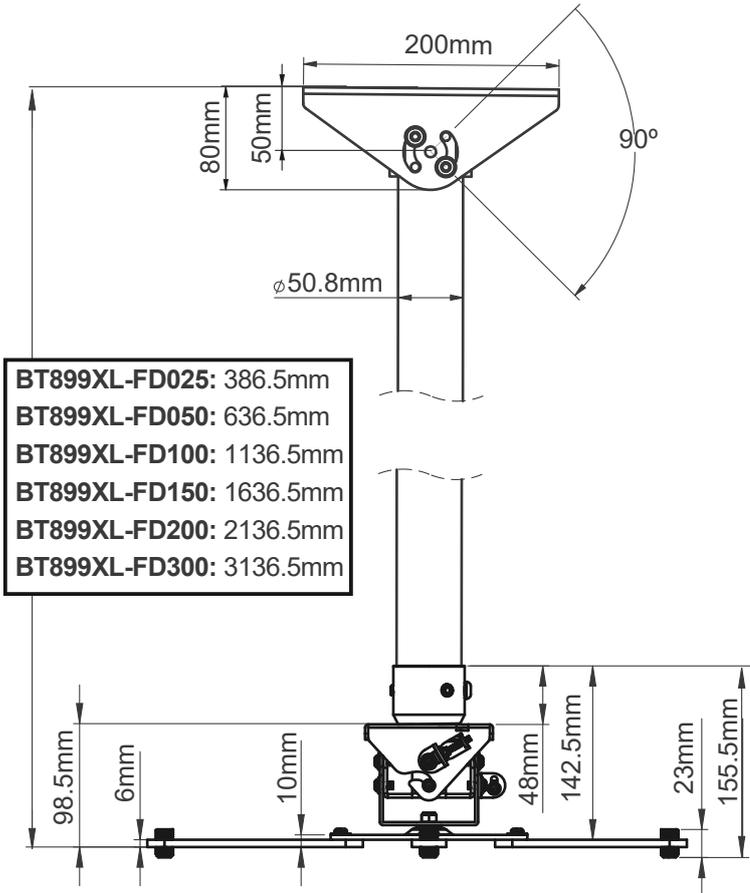
ii. Micro-adjustment (if installed).

Loosen item 22 (M6 x 12mm screws) by one turn using item 34.

Micro adjust item 26 (M4 x 30mm screws) using item 34 to roll or tilt the projector.



BT899XL-FD PRODUCT DIMENSIONS



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



www.btechavmounts.com

B-TECH AV MOUNTS

HEAD OFFICE

B-Tech International Limited

Bennett House, Long March, Daventry, Northants., NN11 4NR, UK

Email: info@btechavmounts.com

©2019 B-Tech International Design and Manufacturing Limited. All rights reserved.

B-Tech AV Mounts is a division of B-Tech International Design & Manufacturing Ltd.

B-Tech, Better By Design, System 2 and Pro Install are registered trademarks of 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-BT899XL-FD-V1-0919-03 MADE IN P.R.C.