



BT893

HEAVY DUTY PROJECTOR CEILING MOUNT WITH MICRO-ADJUSTMENT

INSTALLATION GUIDE & PARTS LIST

This Pack Contains 1 Mount

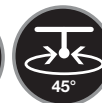
PLEASE KEEP THIS FOR FUTURE REFERENCE

SYSTEM2
COMPATIBLE

FEATURES



- Heavy duty ceiling mount for projectors up to 70kg (154lbs)
- Can be mounted direct to ceiling or onto Ø50mm extension poles
- +20°/-10° Tilt (Pitch) incremented adjustment
+/-5° Additional Tilt (Pitch) micro-adjustment
+/-5° Roll micro-adjustment
25° Yaw adjustment (ceiling mounted)
45° Yaw adjustment (pole mounted)
- Extendable mounting plate features 4-point micro-adjustment for perfect alignment of projected images
- Micro-adjustment is altered using handwheels for better grip and more controlled adjustment
- Optional extension legs can be used to accommodate larger fixing patterns
- Can mount projector upright for portrait or vertical projections
- Max. distance between projector fixings: 873mm
- Suitable for projectors using M6, M8, M10 and M12 fixings
- Ideal for use with projection mapping projectors
- Quick and easy assembly



POLE MOUNTED

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INSTALLATION TOOLS REQUIRED

Drill



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

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DE

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ES

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FR

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PT

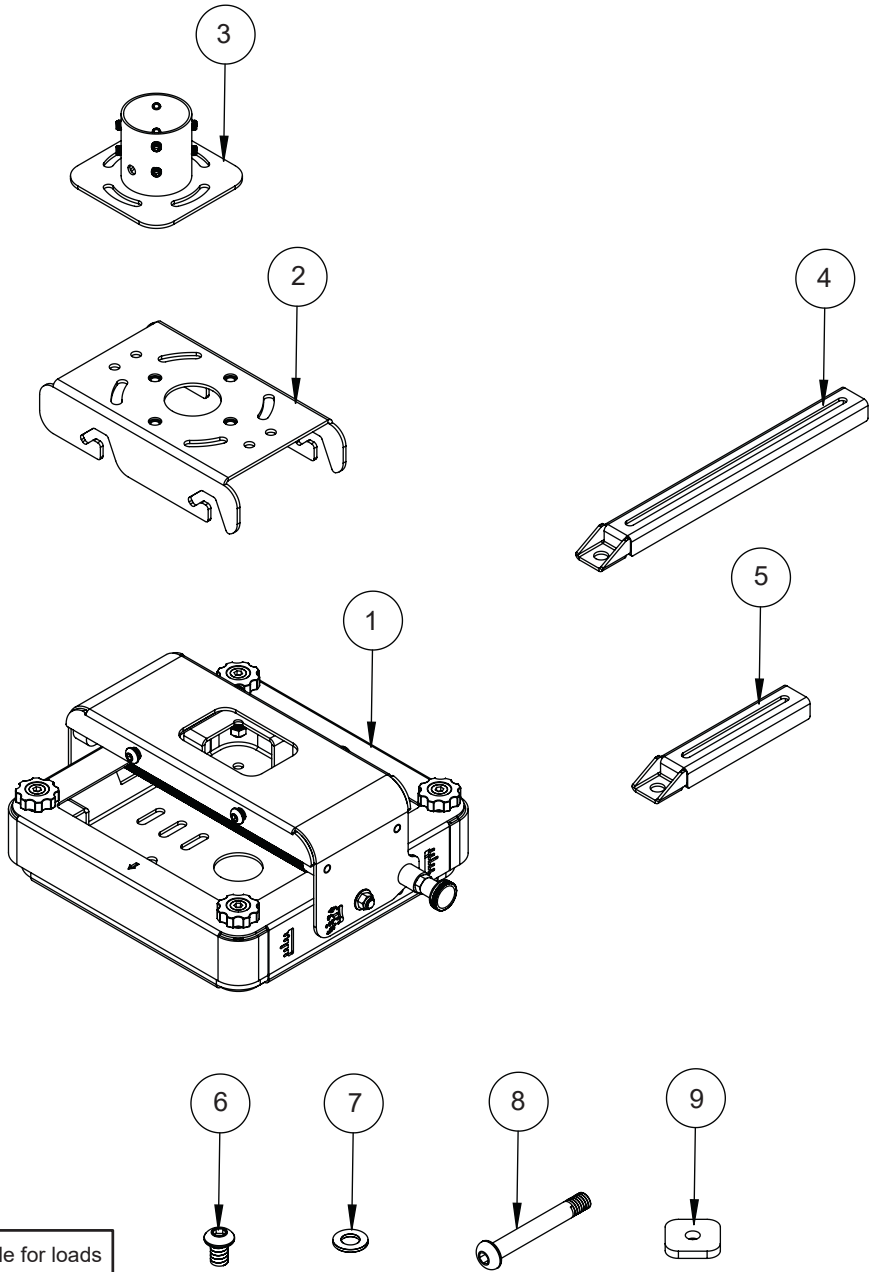
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RU

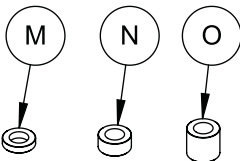
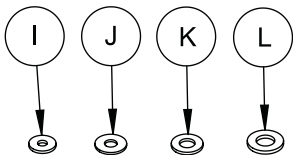
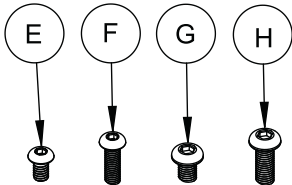
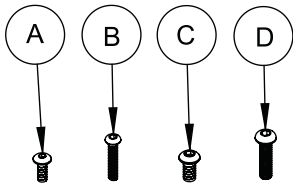
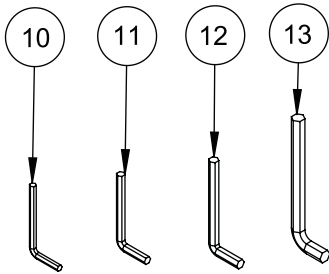
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توصي بي- تك للتجارة الدولية المحدودة بأن شخص محترف في تركيب ال AV أو شخص مؤهل تأهيلا مناسباً لتركيب هذا المنتج. بي- تك للتجارة الدولية، موز عليها والتجار ليست عرضة أو مسؤولة عن الأضرار أو الإصابات الناجمة عن تركيب غير سليم، والاستخدام غير السليم أو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

BT893
PARTS LIST



Suitable for loads
up to 70kg



REF	PART NAME	QTY
1	PROJECTOR MOUNT	1
2	CEILING MOUNT	1
3	POLE MOUNT	1
4	LONG LEG	4
5	SHORT LEG	4
6	M8 x 12mm SCREW	16
7	M8 WASHER	4
8	M8 x 60mm SCREW	1
9	SQUARE NUT	12
10	4mm HEX KEY	1
11	5mm HEX KEY	1
12	6mm HEX KEY	1
13	8mm HEX KEY	1
INTERFACE KIT		
A	M6 x 16mm SCREW	6
B	M6 x 30mm SCREW	6
C	M8 x 16mm SCREW	6
D	M8 x 30mm SCREW	6
E	M10 x 16mm SCREW	6
F	M10 x 30mm SCREW	6
G	M12 x 16mm SCREW	6
H	M12 x 30mm SCREW	6
I	M6 WASHER	6
J	M8 WASHER	6
K	M10 WASHER	6
L	M12 WASHER	6
M	M12 x 5mm SPACER	6
N	M12 x 10mm SPACER	6
O	M12 x 20mm SPACER	6

PLEASE KEEP THIS FOR FUTURE REFERENCE

INSTALLATION INSTRUCTIONS

1

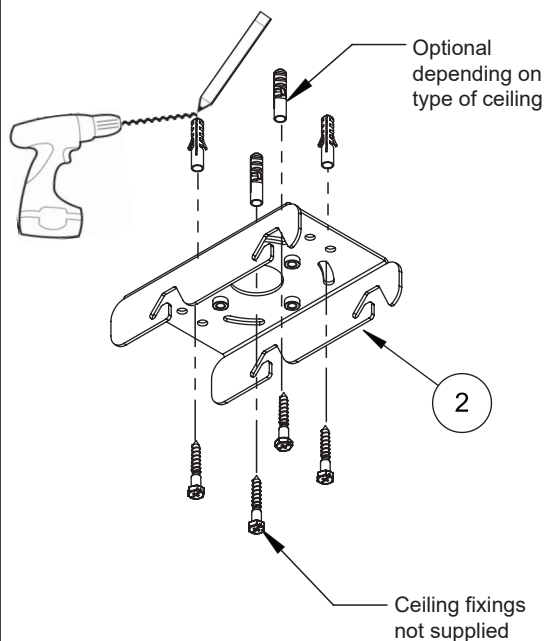
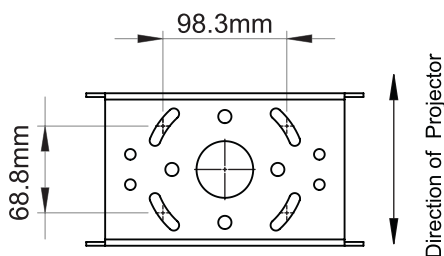
Fix Ceiling Mount in Place

A. Directly to ceiling.

Fix item 2 directly to the ceiling using suitable fixings (*not supplied*).

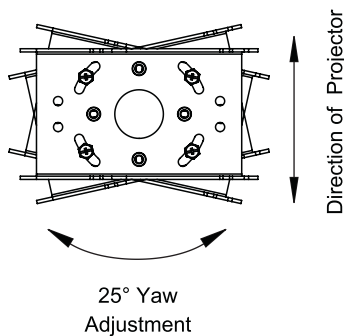
TOP VIEW

Holes should be drilled into the ceiling at these positions to allow for 25° yaw adjustment.



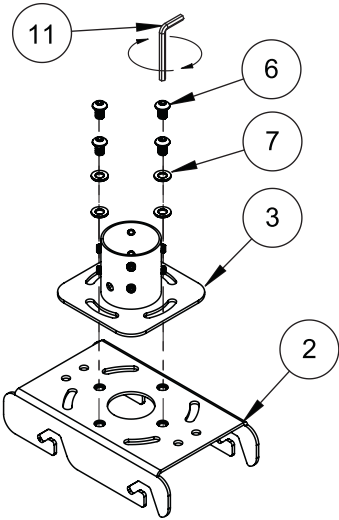
BOTTOM VIEW

Ceiling Mount slots allow for adjustment as shown.

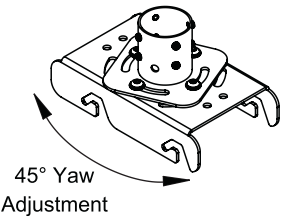
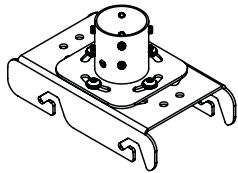


B. Using a pole mount.

i) Fix item 2 to item 3 using items 6 & 7.



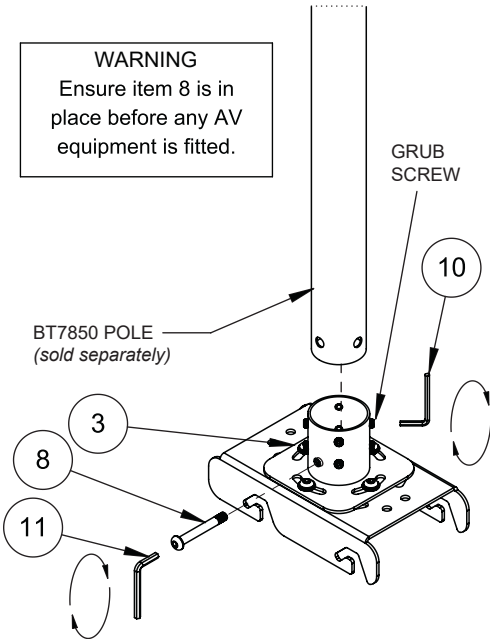
To use yaw adjustment on the pole mount, loosen 4 x item 6 by 1 turn. Ensure screws are tightened fully after adjustment has been made.



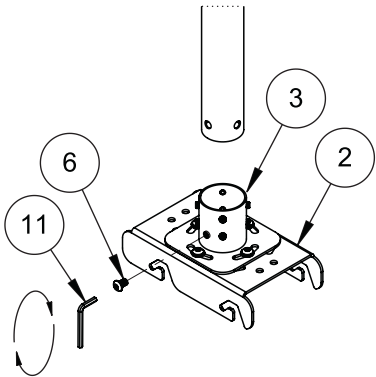
WARNING
Do not completely unscrew 4 of item 6. Mounting hardware is to be loosened only enough to allow for necessary movement.

ii) Insert a BT7850 Ø50mm pole (sold separately) into item 3 and secure in place with item 8. Tighten grub screws using item 10.

WARNING
Ensure item 8 is in place before any AV equipment is fitted.



NOTE: Item 8 can be replaced with item 6 to prevent cables being obstructed.



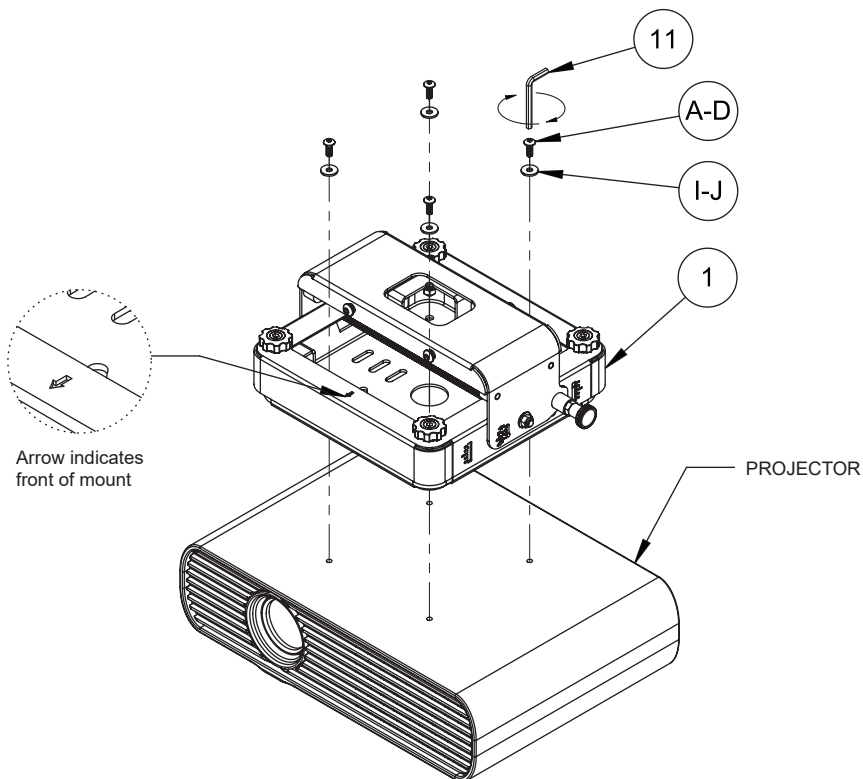
WARNING
Ensure item 6 is in place before any AV equipment is fitted.

Attach Projector Mount to Projector

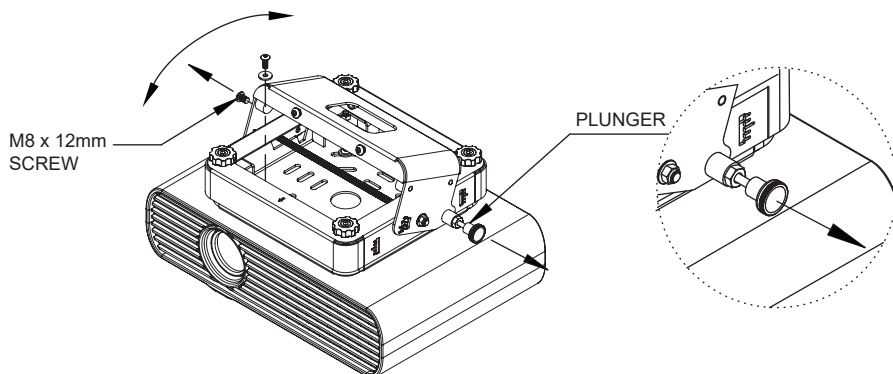
A. Without legs (up to 200 x 200mm fixing centres).

Attach item 1 directly to the projector using items A - D & I - J with items 10 -13.

Fix mount by using suitable holes and / or slots on the bottom of the projector mount.



Note: The tilt adjustment feature can be used to help access fixing holes. Remove the M8 x 12mm screw as shown and pull the plunger to change tilt adjustment.



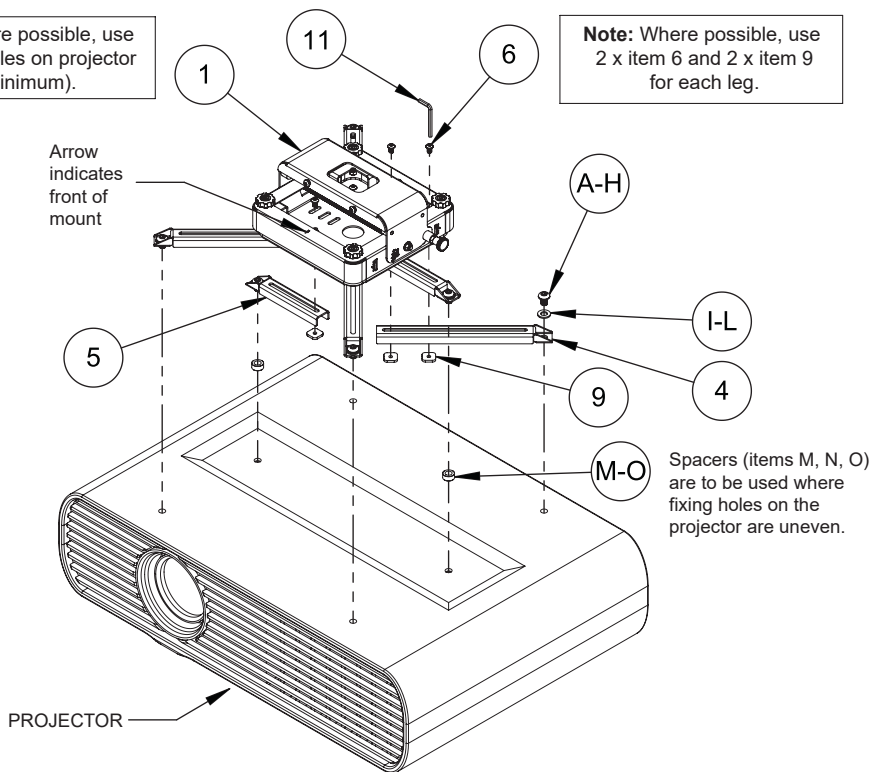
B. Using legs

Attach items 4 / 5 to item 1 using items 6 & 9.

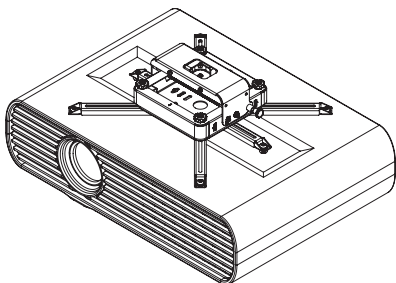
Fix items 4 / 5 to the projector using items A - O.

Note: Where possible, use all fixing holes on projector (4 minimum).

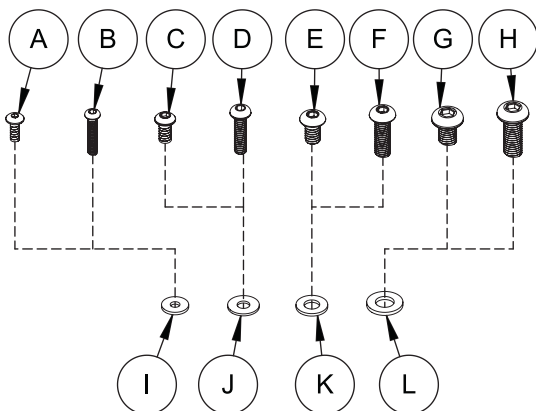
Note: Where possible, use 2 x item 6 and 2 x item 9 for each leg.



Projector Mount attached to projector using 4 long legs and 2 short legs:



Interface Screws



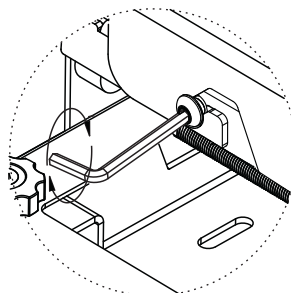
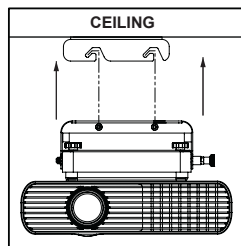
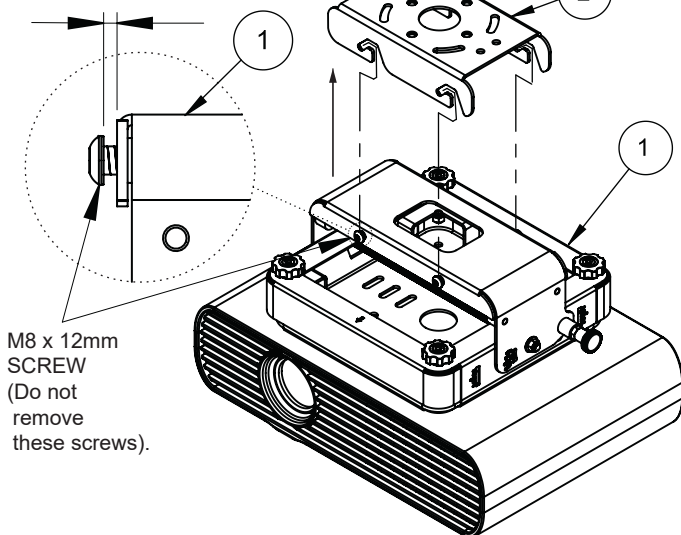
3

Hook Projector Mount onto Ceiling Mount

Hook the 4 M8 x 12mm screws (attached to item 1) into the 4 hook-in slots on item 2.

Fully tighten all 4 screws once hooked on.

Use gap to
hook onto item 2.



IMPORTANT

All 4 M8 x 12mm screws must be fully tightened once hooked on.

4

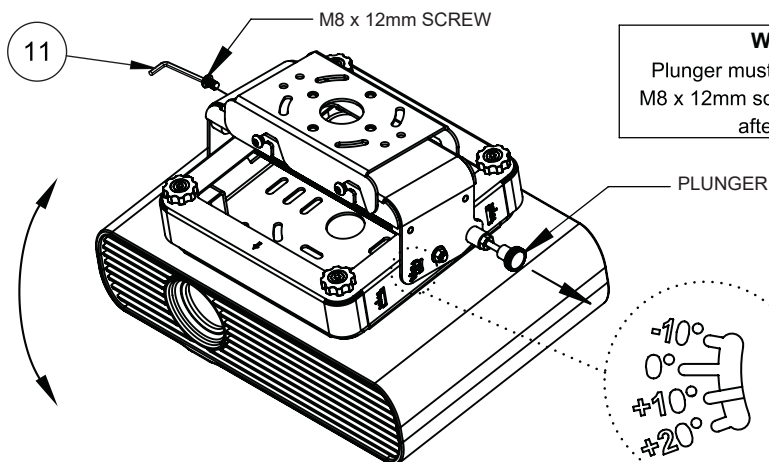
Set Adjustments

A. Set main tilt angle adjustment (-10° / $+20^\circ$)*.

*An $\pm 5^\circ$ additional tilt is available when the micro-adjustment is used.

Remove M8 x 12mm screw.

Hold projector steady, pull plunger to disengage and change tilt. When desired tilt is reached, ensure plunger is fully engaged and replace M8 x 12mm screw.



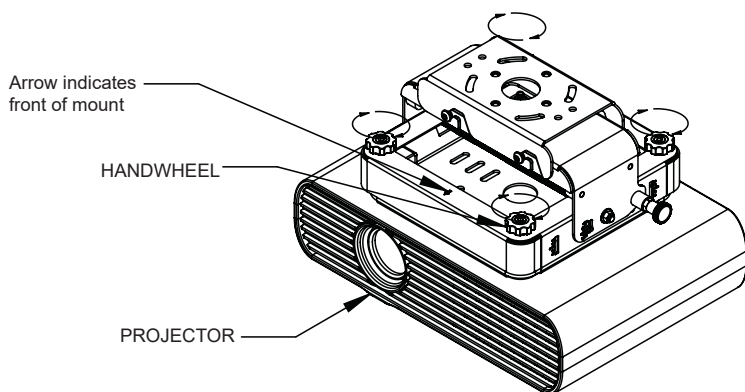
WARNING

Plunger must be re-engaged and M8 x 12mm screw must be inserted after tilt is set.

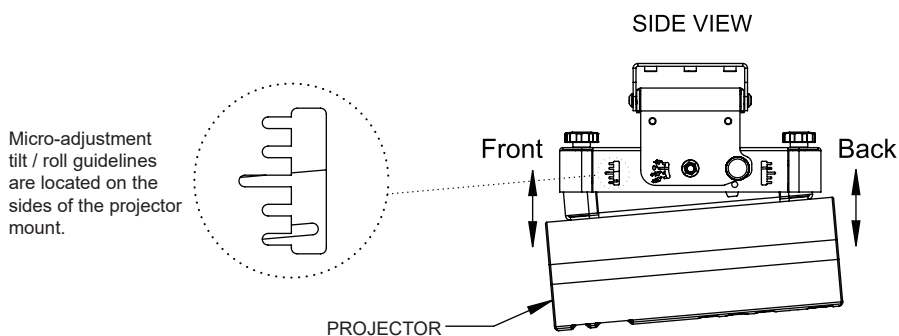
Main tilt angle guidelines are located on the side of the projector mount.

B. Micro-adjust the projector tilt / roll angle ($\pm 5^\circ$ tilt / $\pm 5^\circ$ roll).

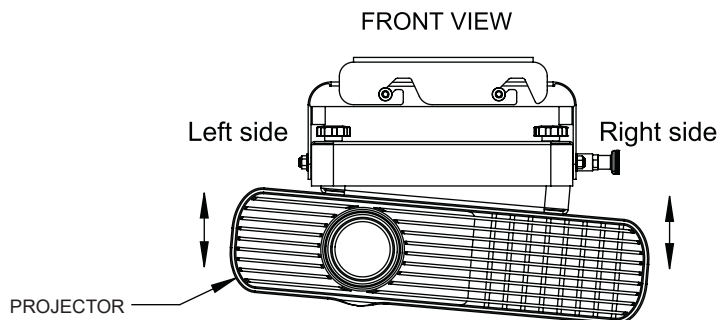
Turn handwheels clockwise to raise, or anti-clockwise to lower projector.



- i) Micro-adjust the tilt using either the front 2, or back 2 handwheels simultaneously ($\pm 5^\circ$ tilt).



- ii) Micro-adjust the roll using either the left 2, or right 2 handwheels simultaneously ($\pm 5^\circ$ roll).



WARNING

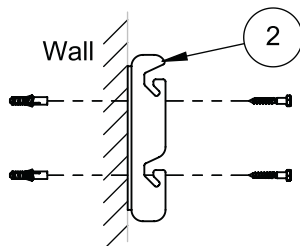
B-Tech recommends that you do not use yaw adjustment when the projector is mounted.
This should be done before the projector is attached.

PORTRAIT AND VERTICAL PROJECTOR MOUNTING

1 Fix Ceiling Mount in Place

A. Directly to wall

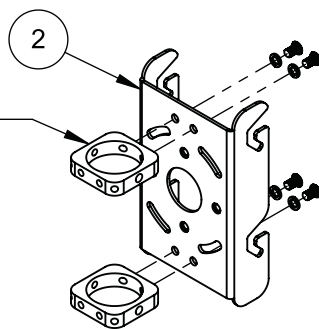
Fix item 2 directly to the wall using the same process as ceiling mounting.



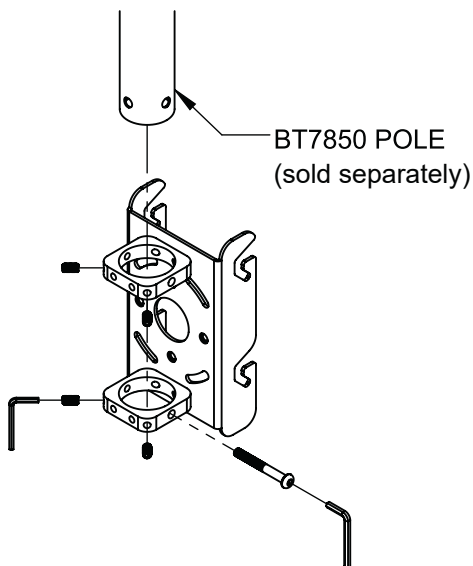
B. To a BT7850 Ø50mm pole

- i) Fix 2 x BT7052 collars (sold separately) to item 2 using the fixings included with the BT7052.

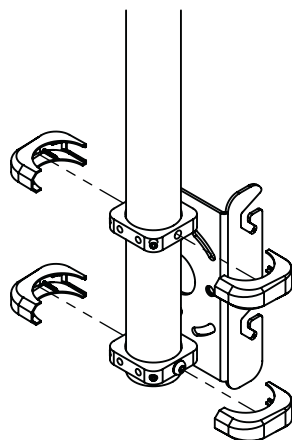
BT7052
(sold separately)



- ii) Insert a BT7850 Ø50mm pole (sold separately) into the BT7052 collars and secure in place using fixings included in BT7052.



- iii) Attach coverplates to the BT7052 collars.

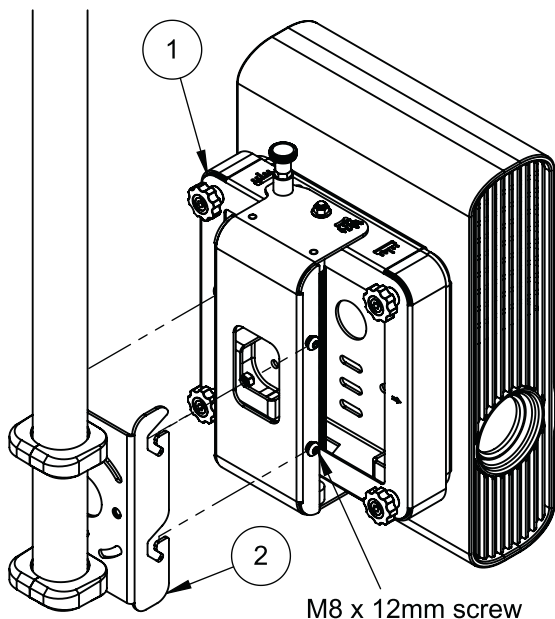


2 Attach Projector Mount to Projector

Attach projector mount to projector using the same process as standard orientation.

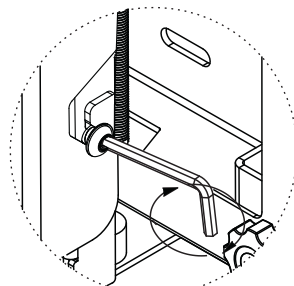
3 Hook Projector Mount onto Ceiling Mount

Hook the 4 M8 x 12mm screws (attached to the projector mount) into the 4 hook-in slots on item 2. Fully tighten all 4 screws once hooked in.



WARNING

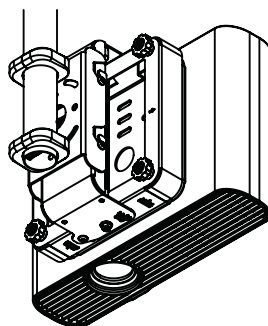
All 4 M8 x 12mm screws must not be removed.



IMPORTANT

All 4 M8 x 12mm screws must be fully tightened once hooked on.

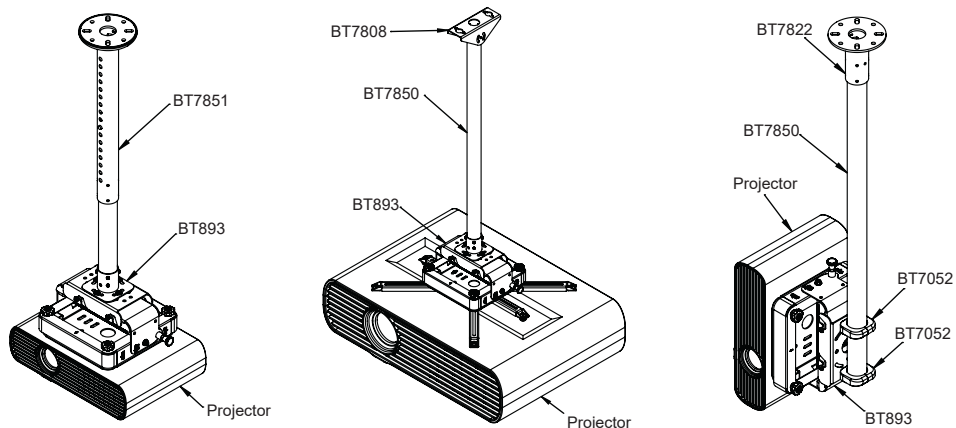
NOTE: Projector can be mounted vertically as shown.



4 Set Adjustments

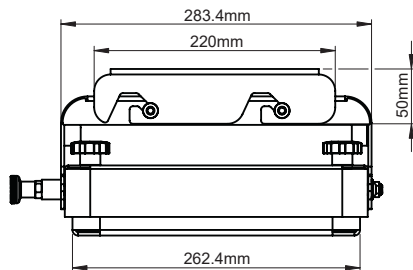
Set adjustments using the same process as standard orientation.

BT893 TYPICAL POLE INSTALLATIONS

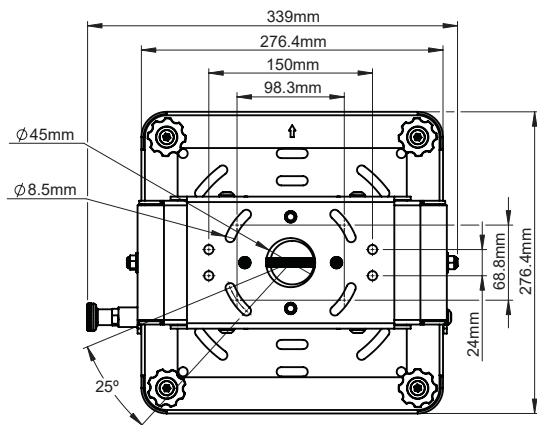


BT893 PRODUCT DIMENSIONS

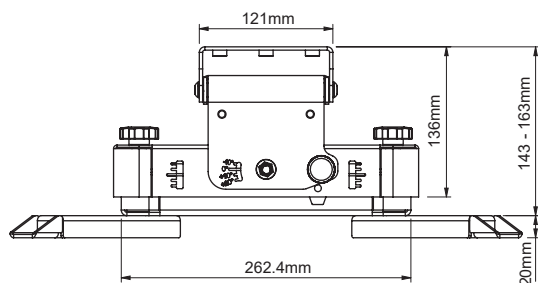
FRONT VIEW



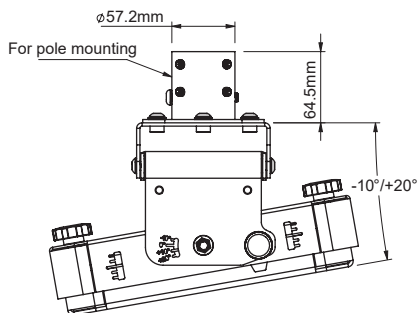
TOP VIEW



SIDE VIEW (WITH LEGS)

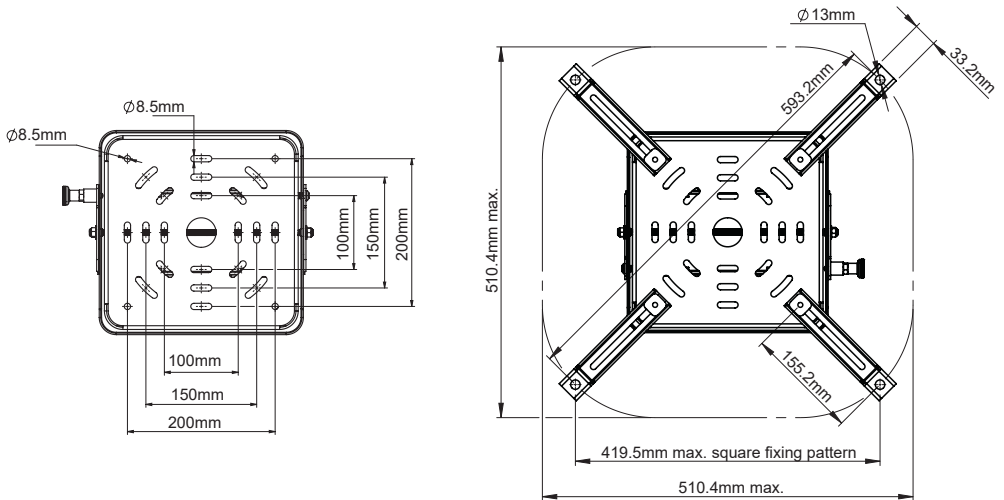


SIDE VIEW (WITH POLE ADAPTOR)

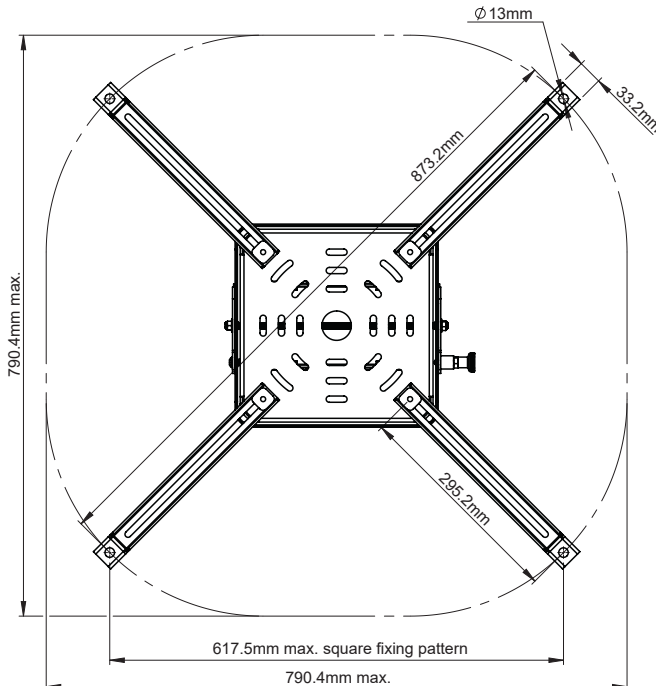


BT893 PRODUCT DIMENSIONS

4 x SHORT LEGS



4 x LONG LEGS



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B-TECH AV MOUNTS

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