M-S

IMPORTANT!
Do not loosen screws all the way when making adjustments, this will disconnect the parts and may cause injury or property damage.
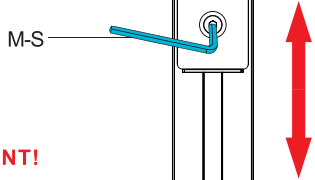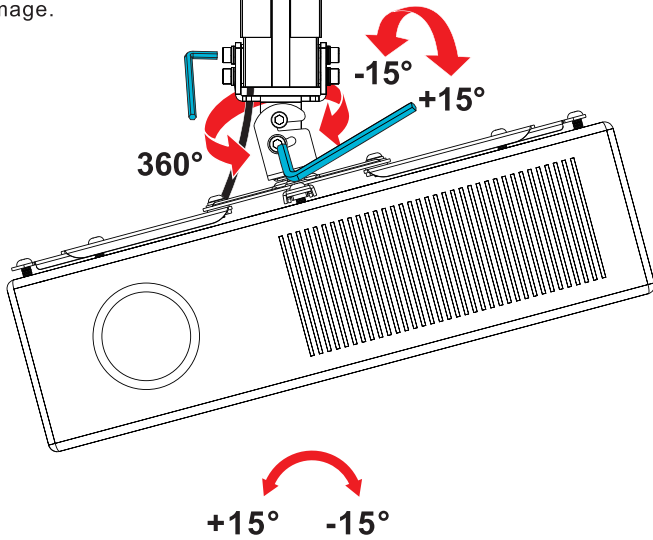
Your projector ceiling mount is now installed. To make adjustments, loosen up the screws slightly with the alley key. When you are satisfied with the adjustments, tighten up the screws again.

-15°
+15°
360°

+15°   -15°

Maintenance

Please check that the projector mount is secure and safe to use at regular intervals. If you have any questions regarding any of the instructions or warnings, please contact your local distributor (OR) contact QualGear technical support via email at support@qualgear.com.

QualGear ®

INSTALLATION MANUAL

QG-PM-002-BLK-L

PROJECTOR CEILING MOUNT

www.qualgear.com

CAUTION!
Do not exceed the maximum rated weight specified. Otherwise, serious injury or property damage may occur.

13.5kg
(29.7lbs)
RATED

■ 1 Year Limited Warranty

⚠ WARNING

● Do not begin to install your QualGear product until you have read and understood all the instructions and warnings contained in this installation manual. If you have any questions regarding the instructions, for US customers please contact QualGear customer support via email at support@qualgear.com. For all international customers, please contact your local distributor.

● This product should only be installed by someone of good mechanical aptitude, has experience with basic building construction, and fully understands these instructions.

● This product was designed to be installed and utilized only as specified in this manual. Improper installation of this product may cause damage or serious injury. QualGear is not liable for the improper use or installation of its products.

● Make sure that the supporting surface will safely support the combined load of the equipment and all attached hardware and components.

● Always use an assistant or mechanical lifting equipment to safely lift and position the equipment.

● Tighten screws firmly, but do not over tighten. Over tightening can damage the items, greatly reducing their holding power.

● ALL QUALGEAR products are intended for indoor use only and any outdoor use voids the limited warranty.

● ALL QUALGEAR products are designed and tested for residential use only and any commercial use voids the limited warranty. For warranty information, please visit http://www.qualgear.com/warranty.php.

● If mounting to wooden studs, make sure that mounting screws are anchored into the center of the studs. Use of an edge-to-edge stud finder is highly recommended.

● Never exceed the maximum rated weight specified in this manual.

● All bolts and screws must be used at the designated points in the installation instructions to prevent property damage and/or personal injury.

● DO NOT install near air conditioner vents or where there is excessive dust or smoke.

● When drilling holes in the ceiling, it is very important to take care of electrical cables, water, or gas pipes in the ceiling.

● This product was designed to be installed on the following ceiling construction only:

CEILING CONSTRUCTION	HARDWARE REQUIRED
Wooden Stud	Included
Wooden Beam	Included
Solid Concrete	Included
Brick	Included
Other	Contact Qualified Professional

Parts Checklist

! **IMPORTANT:** Before starting installation, please check that all parts shown in this checklist are included. If any parts are missing or damaged, contact your local distributor or support@qualgear.com for replacement parts and do not start assembly and installation until you receive all the parts.
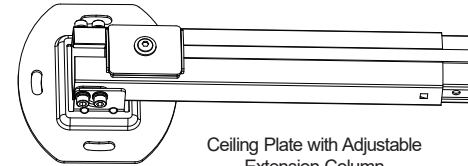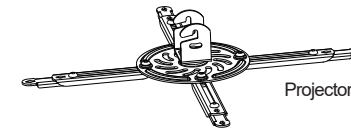
Ceiling Plate with Adjustable
Extension Column
A (x1)
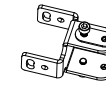
Connector
B (x1)

Marking Template
D (x1)

Projector Mounting Bracket
C (x1)

Hardware Package

M3x20 (x4)
M-A

M4x25 (x4)
M-B

M5x25 (x4)
M-C

M6x25 (x4)
M-D

D3 Washer (x4)
M-E

D4 Washer (x4)
M-F

D5 Ø5xØ12 (x4)
Washer
M-G

D6 Washer (x4)
M-H

1mm Spacer (x4)
M-I

2mm Spacer (x4)
M-J

3mm Spacer (x4)
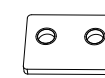M-K

5mm Spacer (x4)
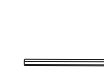M-L

M5x12 (x6)
M-M

D5 Ø5xØ10 (x6)
Washer
M-N

D5 (x6)
Plastic Washer
M-O

D5-12 (x2)
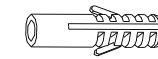Plastic Washer
M-P

M5-12 (x2)
Steel Washer
M-Q

3mm Allen Key (x1)
M-R

4mm Allen Key (x1)
M-S
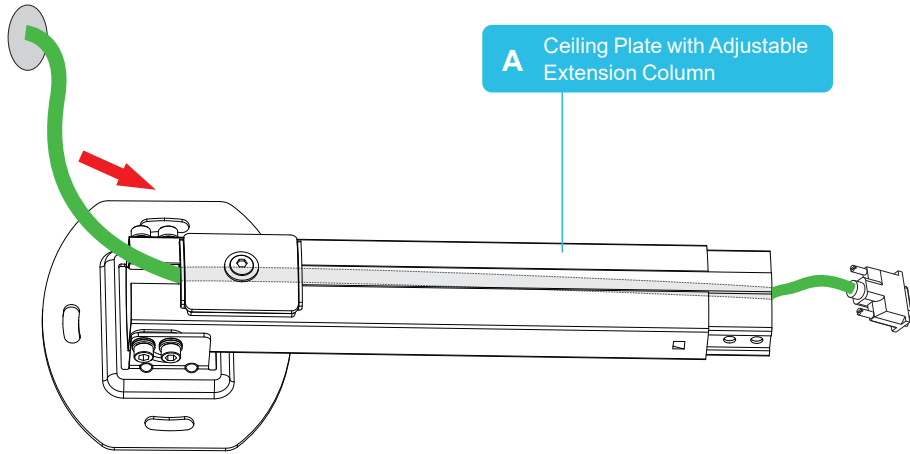
ST6.3x65mm
Lag Bolt (x4)
W-A
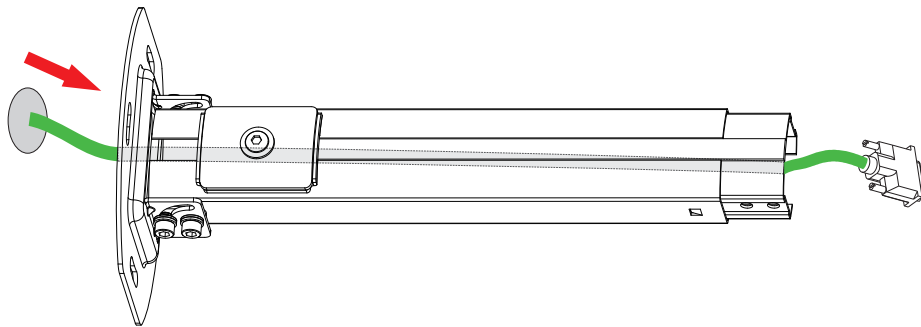
10x60mm
Concrete Anchor (x4)
W-B

D6 Washer (x4)
W-C

A Ceiling Plate with Adjustable Extension Column

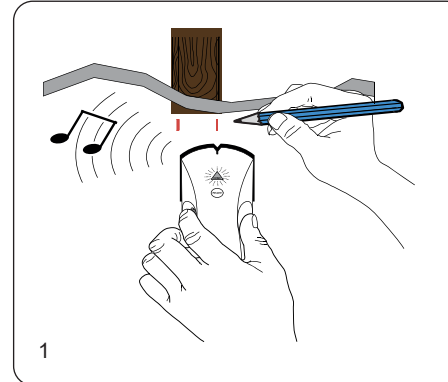Feed the projector cable(s) through the adjustable extension column.

OR

Feed the projector cable(s) through the center of the ceiling plate first then through the adjustable extension column.
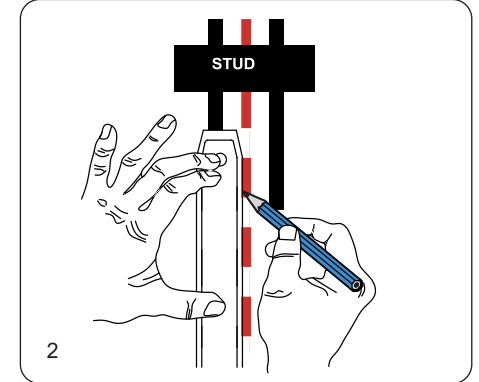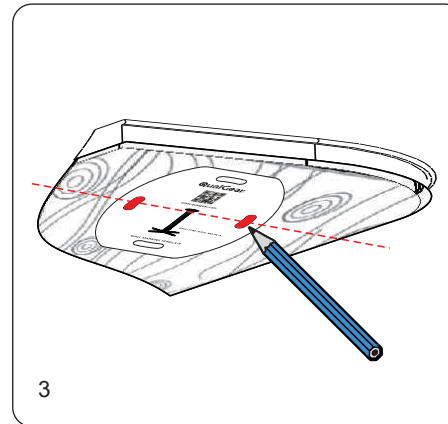
NOTE For concrete ceiling mounting, follow Step 2b.
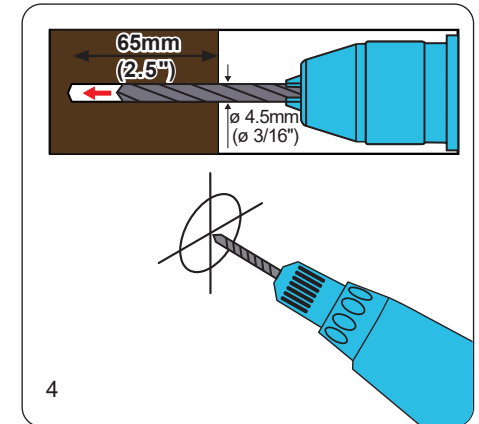
1

Using an edge-to-edge stud finder, find the edges of the stud.

2

STUD

Using a straight edge, mark the centerline of the stud.

3

Using the marking template provided, mark two holes for drilling on the centerline of the stud.

4
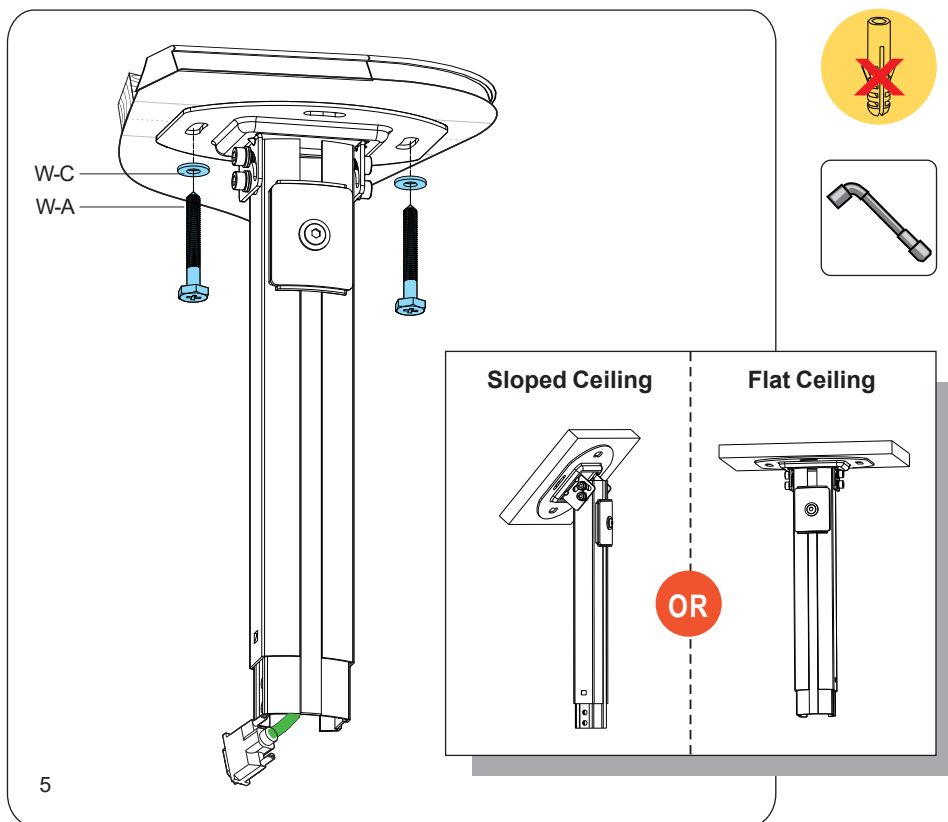
65mm (2.5")
ø 4.5mm (ø 3/16")

Using a power drill and 3/16" drill bit, drill pilot holes of 3/16" (4.5 mm) diameter and at least 2.5" (65 mm) depth.

TIP Depending on the direction of the studs, choose the mounting holes accordingly.

centerline of the stud **OR** centerline of the stud

W-C

W-A

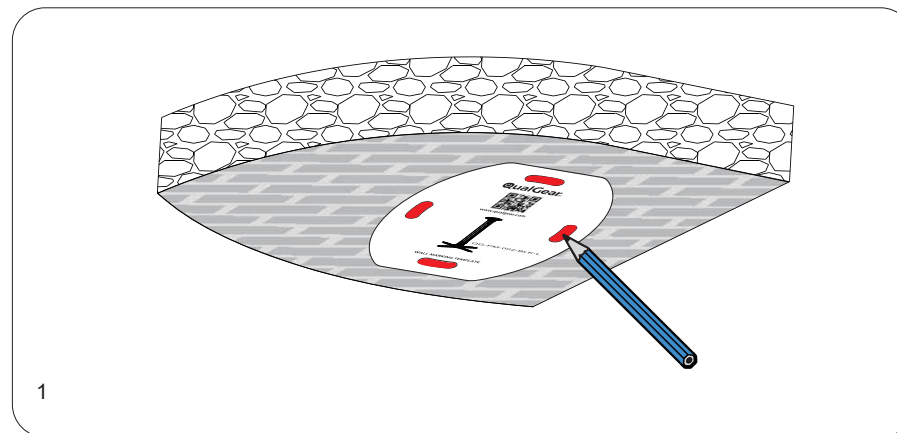**Sloped Ceiling** | **Flat Ceiling**

OR

5

Using a socket wrench, mount the ceiling plate and fasten with the provided lag bolts (W-A) and D6 washers (W-C).
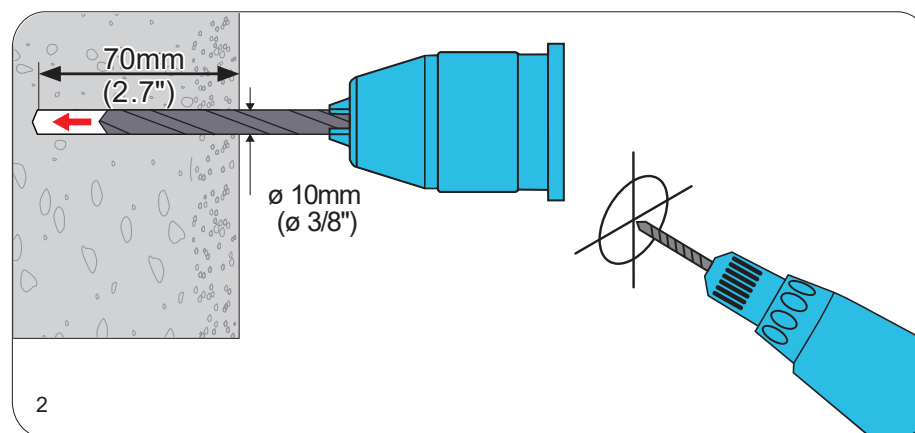
⚠ WARNING

- Installers are responsible to provide hardware for other types of mounting situations.
- Installers must verify that the supporting surface will safely support the combined weight of the equipment and all attached hardware and components.
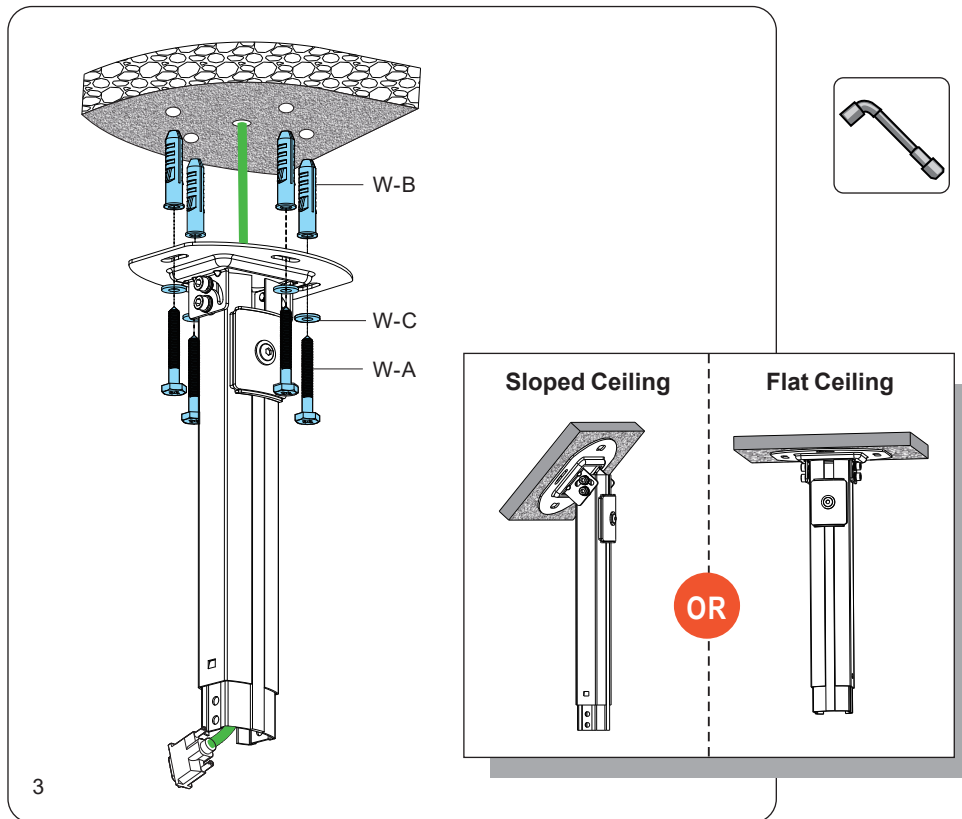
1

Hold the marking template provided against the ceiling where you want to install the projector, mark four holes for drilling.

70mm
(2.7")

ø 10mm
(ø 3/8")

2

Using a power drill and a 3/8" masonry drill bit, drill mounting holes of 3/8" (10 mm) diameter and 2.7" (70 mm) depth at the marked locations in the previous step.

W-B

W-C

W-A

**Sloped Ceiling**   **Flat Ceiling**

OR

3

Place plastic anchors (W-B) in each hole. Tap each anchor flush with the ceiling using a hammer. Using a socket wrench, mount the ceiling plate and fasten with the provided lag bolts (W-A) and D6 washers (W-C).

⚠ WARNING

● Installers must verify that the supporting surface will safely support the combined weight of the equipment and all attached hardware and components.

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3 **Connecting the Extension Column to the Connector**

A Ceiling Plate with Adjustable Extension Column
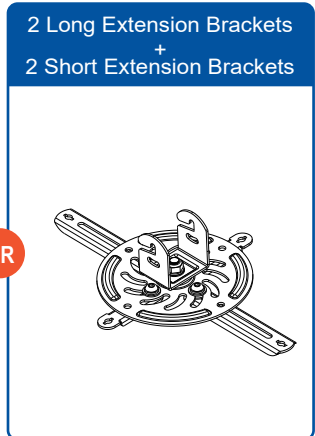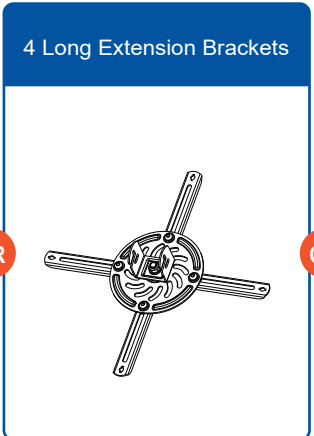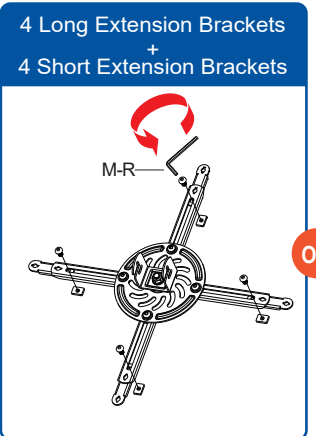
M-Q

M-P

M-O

M-N

M-M

M-Q

M-S

M-P
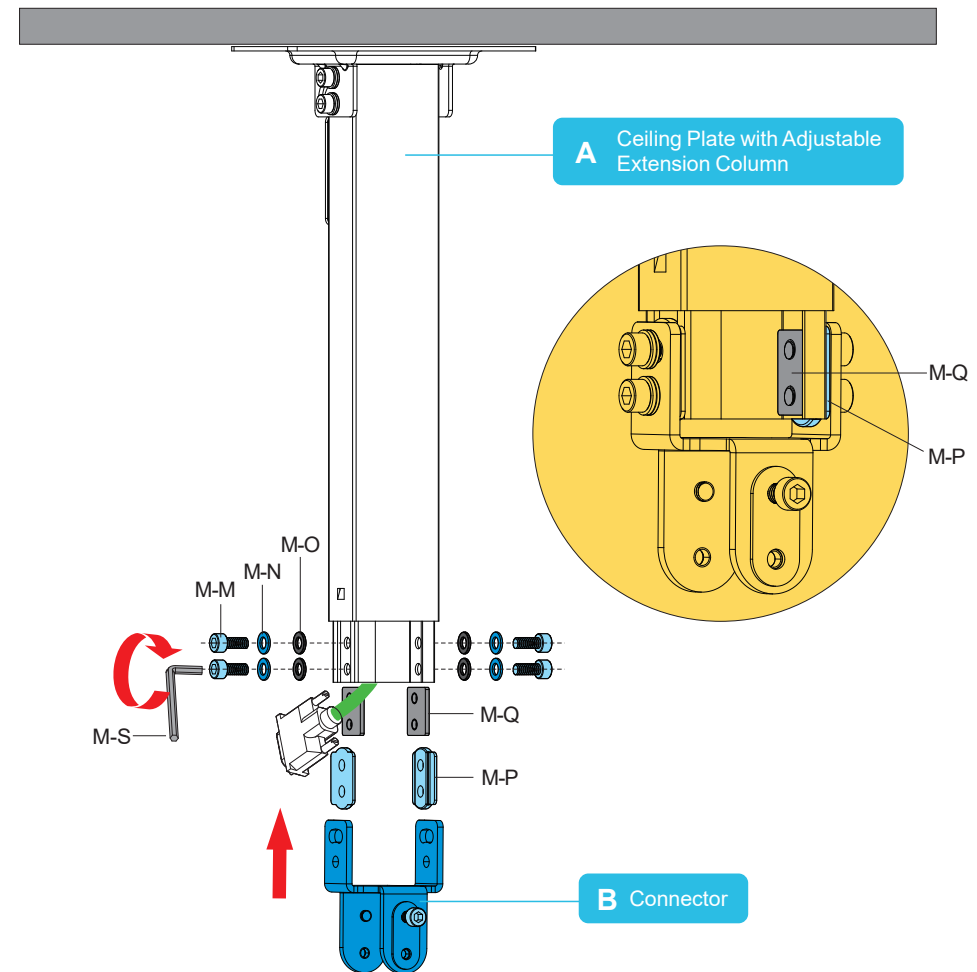
B Connector

Using Allen Key (M-S), attach the Adjustable Extension Column (A) to the Connector (B) with Screws (M-M), Washers (M-N),and Plastic Washers (M-O). See the closeup illustration above for the placement of hardware parts M-Q and M-P.

NOTE Ensure the projector is held securely until all the screws are firmly installed.

C Projector Mounting Bracket

M-A/ M-B/ M-C/ M-D

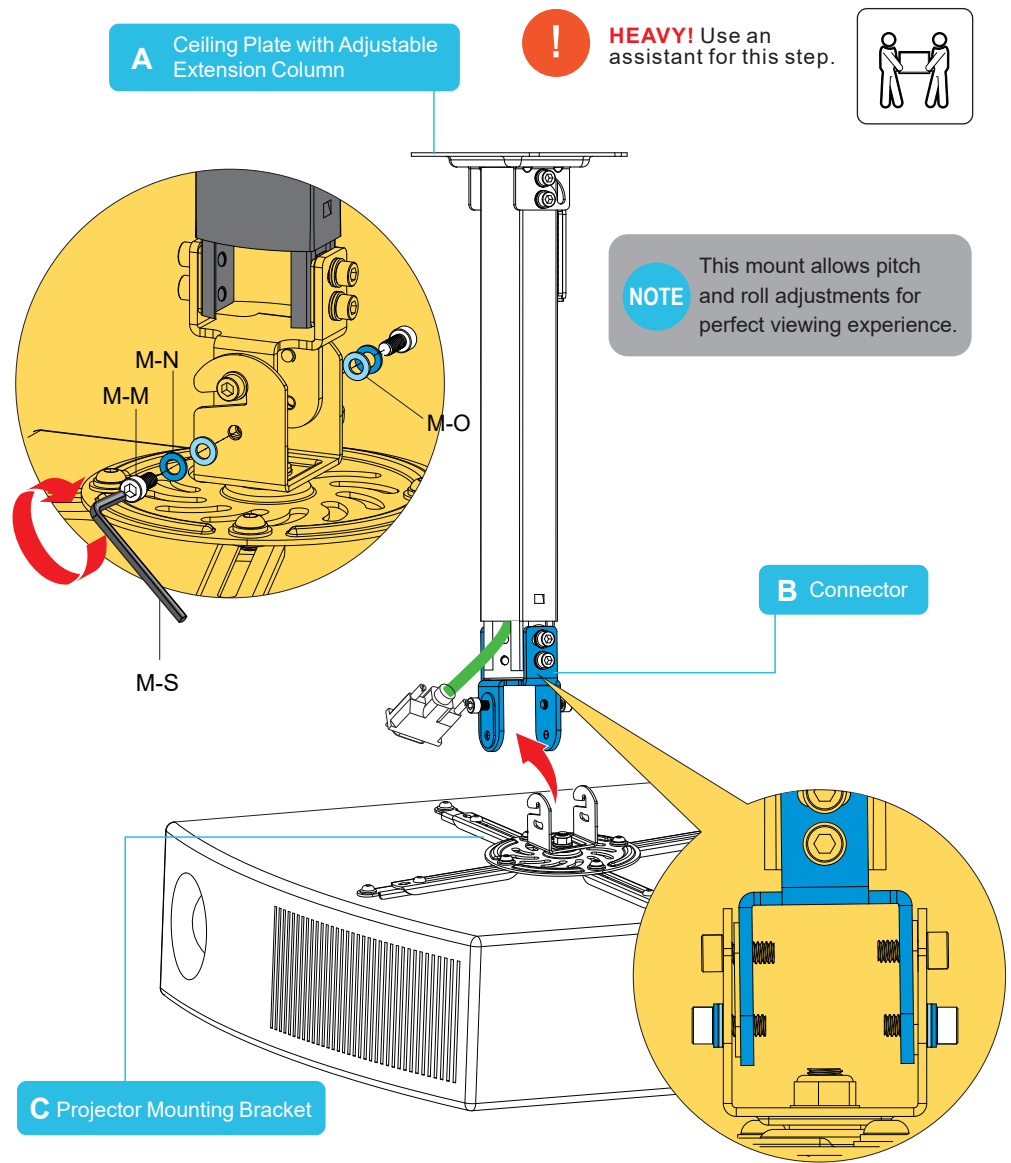Projector

M-L

M-I/ M-J/ M-K

Recessed Hole

M-E/ M-F/ M-G/ M-H
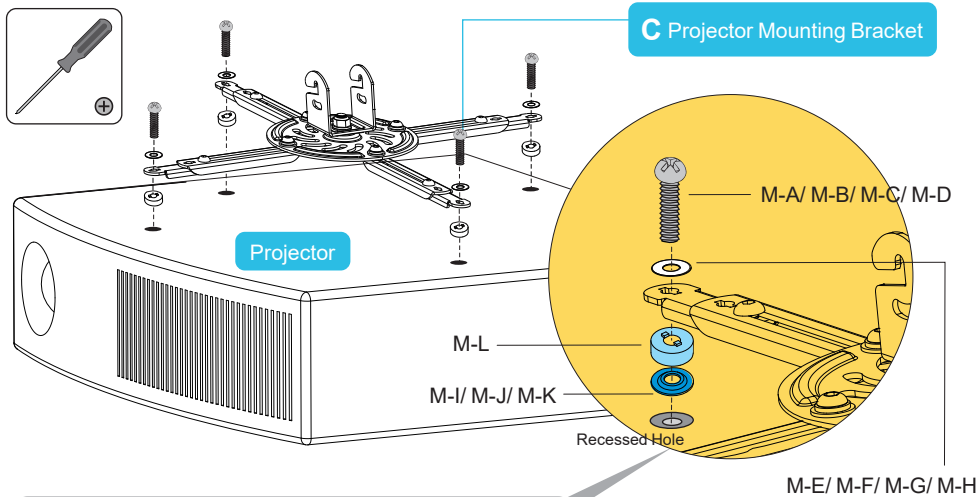
NOTE Choose the appropriate spacers (M-I/ M-J/ M-K) when mounting to recessed holes.

4 Long Extension Brackets + 4 Short Extension Brackets	4 Long Extension Brackets	2 Long Extension Brackets + 2 Short Extension Brackets

M-R

OR

OR

TIP Depending on your projector, you may use one of the combinations above.

Align the holes of extension brackets over the mounting holes of the projector, select appropriate screws (M-A/ M-B/ M-C/ M-D) and washers (M-E/ M-F/ M-G/ M-H). Place bottom spacer (M-L) in between the brackets and the projector. **Optional:** for mounting to recessed holes only, choose appropriate spacer (M-I/ M-J/ M-K) in addition to the 5mm spacer (M-L).

A Ceiling Plate with Adjustable Extension Column

! **HEAVY!** Use an assistant for this step.

NOTE This mount allows pitch and roll adjustments for perfect viewing experience.

M-N

M-M

M-O

B Connector

M-S

C Projector Mounting Bracket

Align the Projector Mount Assembly to the Connector on the Adjustable Extension Column, then using the Alley Key (M-S), attach them together with the provided Screws (M-M), Washers (M-N), and Plastic Washers (M-O).