QUALGEAR

PRO-AV

INSTALLATION MANUAL · VAULTED CEILING ADAPTER

Vaulted ceiling adapter for sloped wood and concrete ceilings.

QG-PRO-PM-VCA-W



Vaulted ceiling adapter, 1.5 in NPT, adjusts 0–90°

WHITE

MAXIMUM RATED LOAD

300 lb / 136 kg

⚠ **Caution.** Do not exceed the maximum rated load. Overloading can cause serious injury or property damage.

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Before you begin

Note. Read this entire manual before you start installation and assembly.

⚠ Warning

- Do not begin to install your QualGear product until you have read and understood all instructions and warnings in this manual. If you have questions, U.S. customers can email QualGear support at support@qualgear.com. International customers should contact their local distributor.
- This product should be installed only by someone with good mechanical aptitude and basic building construction experience who fully understands these instructions.
- This product is designed to be installed and used only as described in this manual. Improper installation can cause damage or serious injury. QualGear is not liable for improper use or installation of its products.
- Make sure 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 lift and position the equipment safely.
- Tighten screws firmly, but do not overtighten. Overtightening can damage the parts and greatly reduce their holding power.
- All QualGear products are for indoor use only. Outdoor use voids the limited warranty. For warranty information, visit qualgear.com/pages/warranty.
- Never exceed the maximum rated load specified in this manual: 300 lb / 136 kg.
- Use all hardware at the designated points shown in these instructions to prevent property damage and personal injury.
- This product is designed to be compatible with all standard 1.5 in NPT pipes.

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

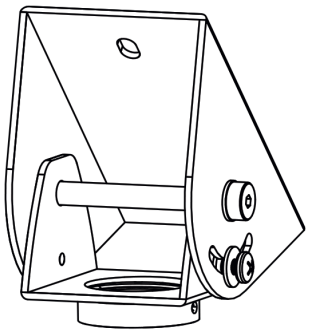
⚠ **Important.** Do not loosen screws all the way when making adjustments. The parts can disconnect and cause injury or property damage.

Parts and hardware checklist

⚠ **Important.** Before you start, check that every part shown below is included. If any part is missing or damaged, contact your local distributor or support@qualgear.com for replacement parts. Do not start assembly and installation until you have all the parts.

Adapter and template

ILLUSTRATIONS NOT TO SCALE



Vaulted ceiling adapter

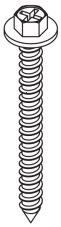
C · ×1



Wall marking template

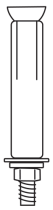
B · ×1

Hardware



#14 × 2.5 in screws

A · ×3



M6 × 60 mm metal expansion anchors

F · ×3



M5 × 4 mm security screws

D · ×2



M5 × 4 mm screws

E · ×2



M2.5 Allen key

G · ×1

Which hardware to use. Wood joist: screws (A). Concrete: metal expansion anchors (F). Both: screws (D or E) and the Allen key (G) to lock the pipe.

STEP 1 · PREPARE THE CEILING

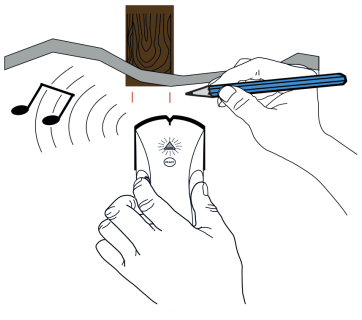
Vaulted wood joist or stud ceiling

1a

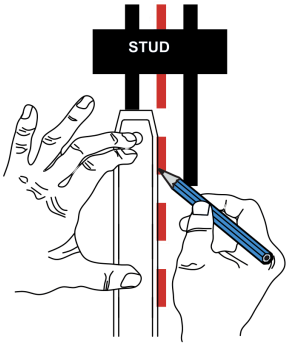
Note. For a concrete ceiling, follow step 1b on page 06.



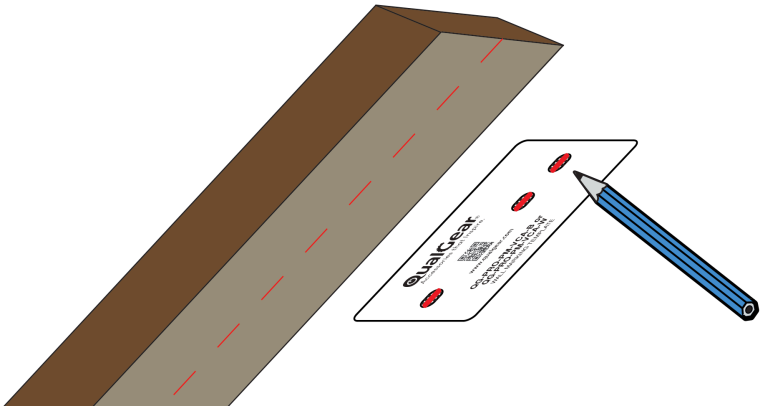
Edge-to-edge stud finder | Pencil | Straight edge | Power drill | 5/32 in wood drill bit



1a.1 Using an edge-to-edge stud finder, find the edges of the stud.



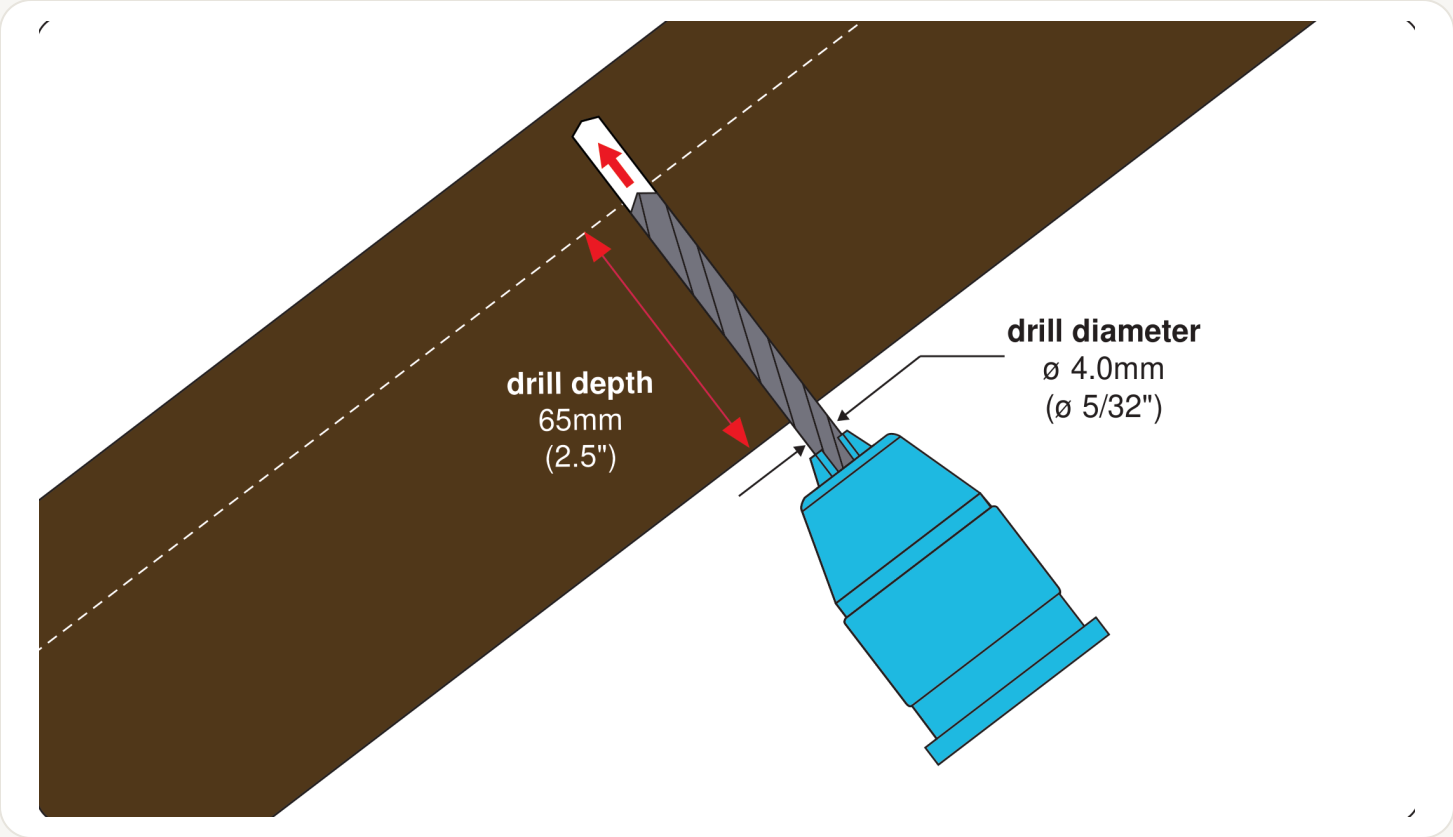
1a.2 Using a straight edge, mark the centerline of the stud.



1a.3 Using the wall marking template (B), mark the mounting locations on the center of the stud.

Tip. Mark the drill locations on the center of the studs for security.

1a Vaulted wood joist or stud ceiling (continued)



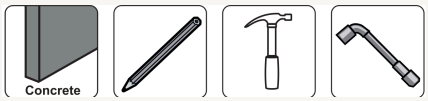
1a.4 Using a power drill and a 5/32 in wood drill bit, drill holes 5/32 in (4 mm) in diameter and 2.5 in (65 mm) deep at the marked locations.

WOOD PREPARATION COMPLETE · NEXT: STEP 2, PAGE 08

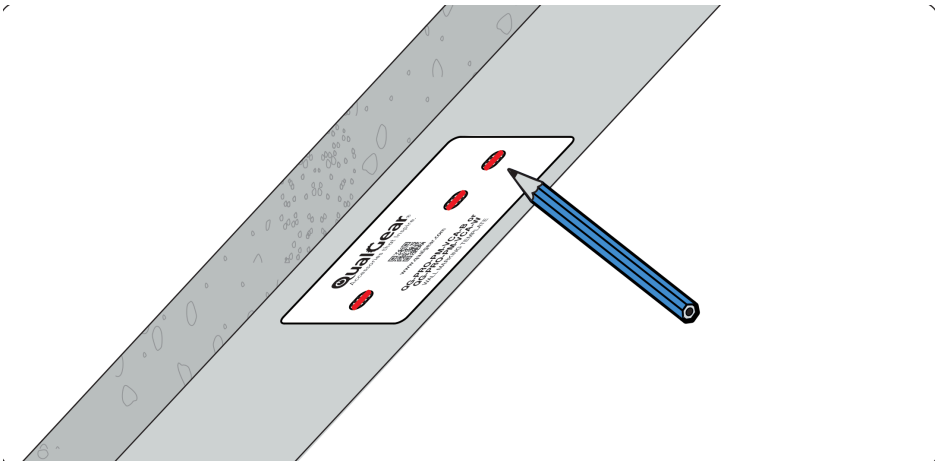
STEP 1 · PREPARE THE CEILING

Vaulted concrete ceiling

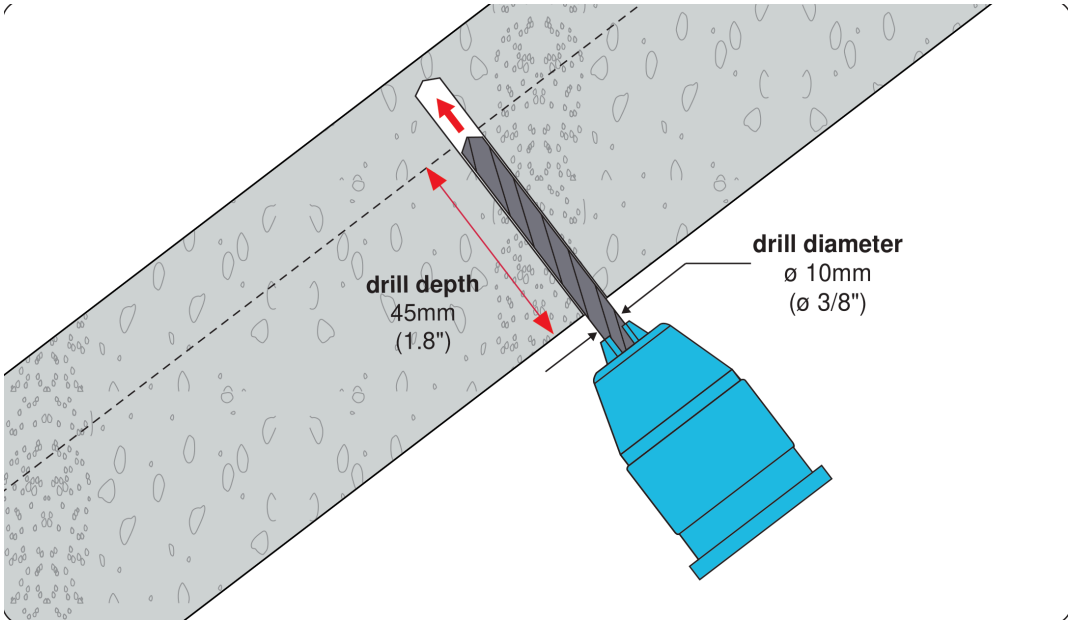
1b



Pencil | Power drill | 3/8 in masonry drill bit | Hammer | Socket wrench



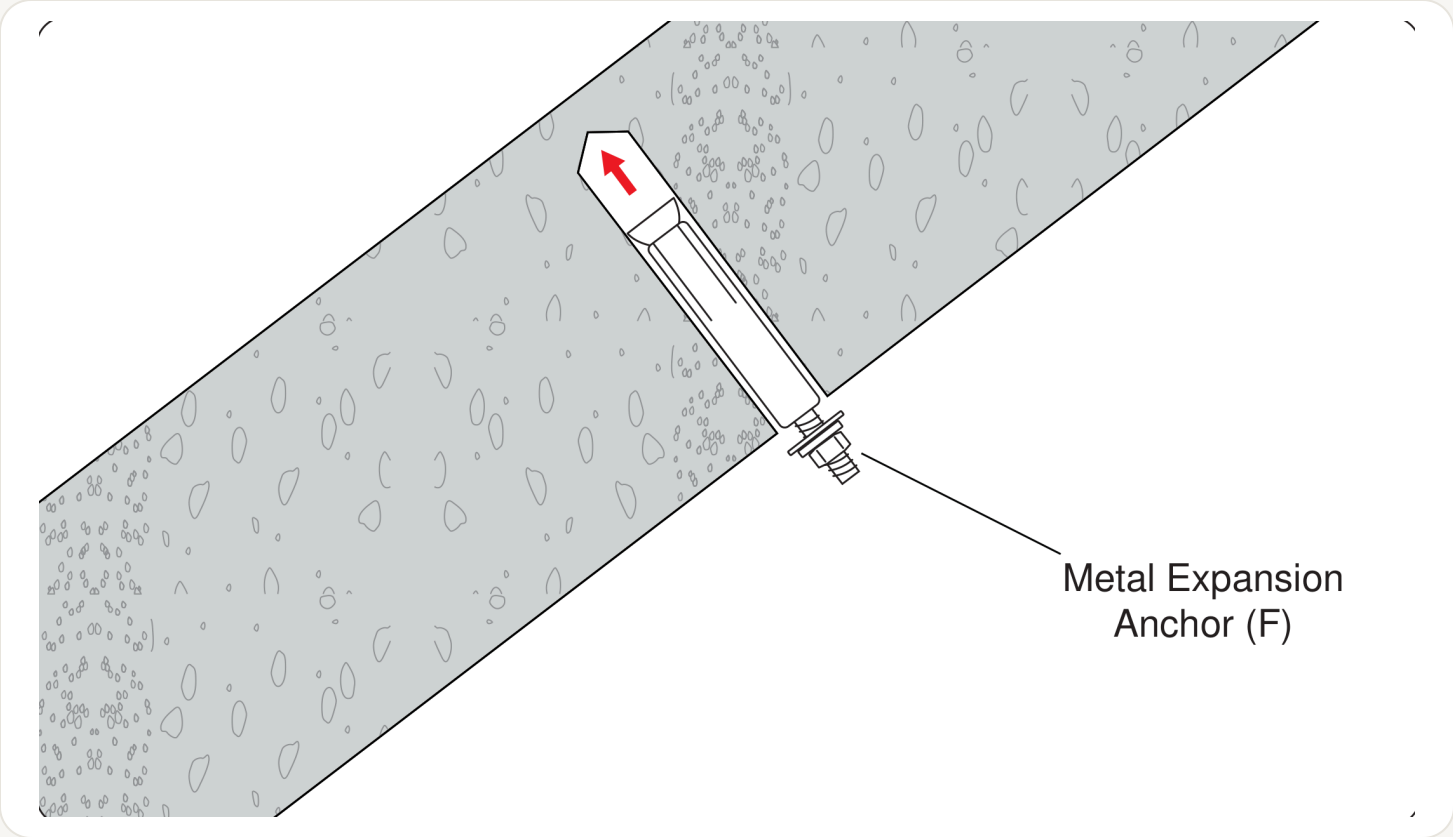
1b.1 Using the wall marking template (B), mark the mounting locations on the concrete.



1b.2 Using a power drill and a 3/8 in masonry drill bit, drill mounting holes 3/8 in (10 mm) in diameter and 1.8 in (45 mm) deep at the marked locations.

Tip. Make sure the drilled holes are free of dust so the anchors set properly.

1b Vaulted concrete ceiling (continued)



1b.3 Insert the metal expansion anchors (F) and hammer them into the drilled holes. Leave a portion of each anchor outside the concrete. Once the anchors are set, remove the washers and nuts from the anchors with a socket wrench.

CONCRETE PREPARATION COMPLETE · NEXT: STEP 2, PAGE 08

STEP 2

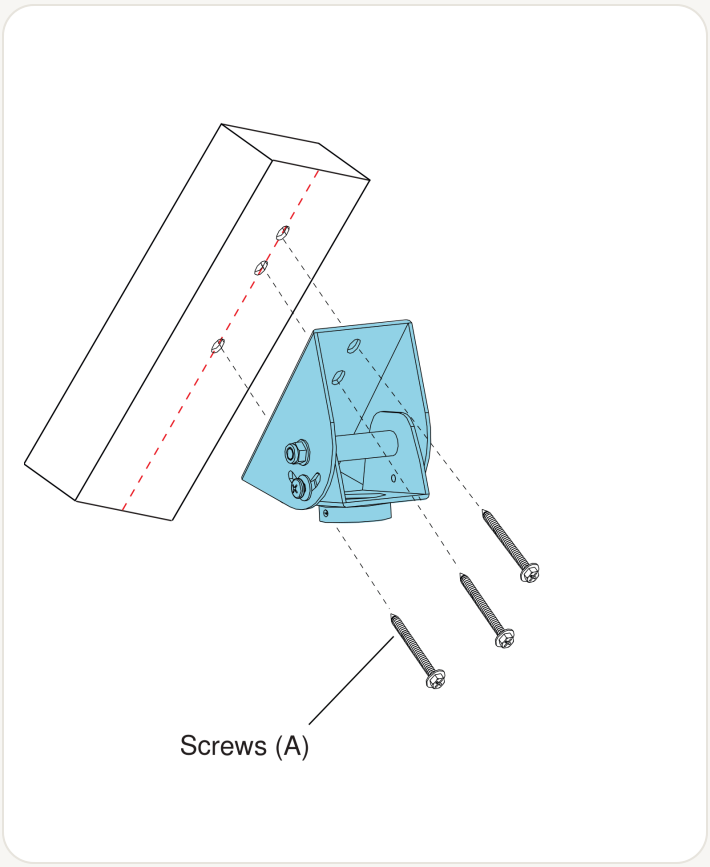
Install the adapter on the ceiling

2



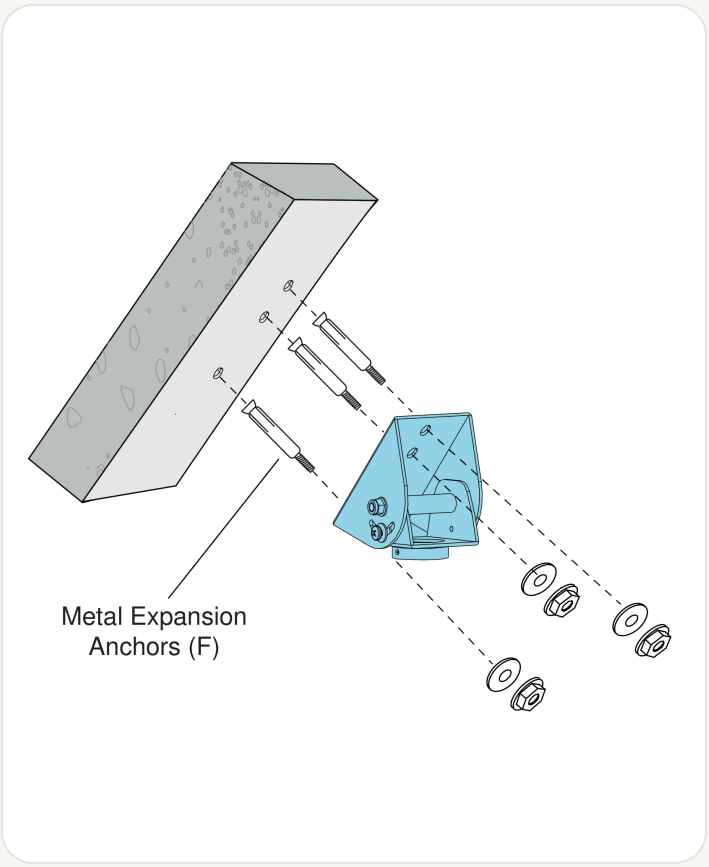
Socket wrench

Wood joist ceiling



Align the mounting holes on the vaulted ceiling adapter (C) with the drilled holes in the ceiling. Insert the screws (A) into the mounting holes and tighten them with a socket wrench.

Concrete ceiling



With the metal expansion anchors (F) set in the drilled holes, align them with the mounting holes on the vaulted ceiling adapter (C). Place the washers and nuts on the ends of the anchors and tighten them with a socket wrench.

STEP 3

Join the pipe to the ceiling adapter

3

⚠ **Important.** Do not loosen screws all the way when making adjustments. The parts can disconnect and cause injury or property damage.

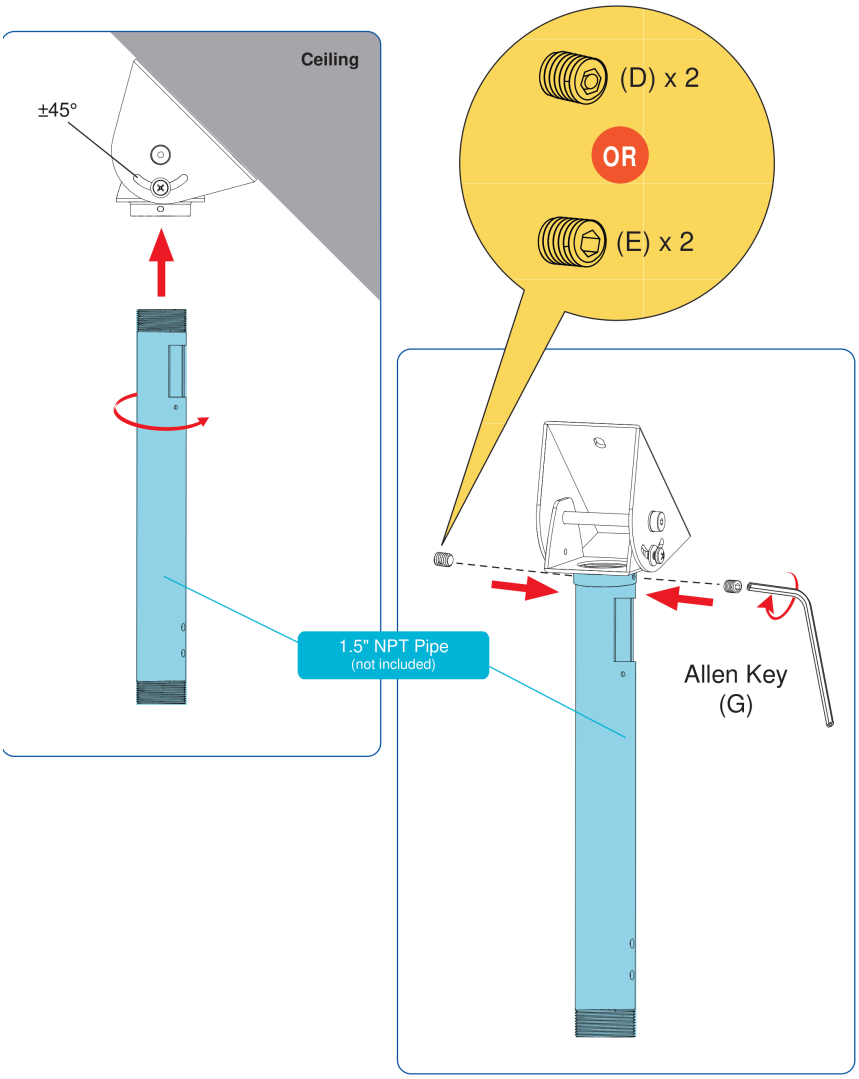


FIG. 3 Panel 1: thread the pipe. Panel 2: lock it.

01 To connect a 1.5 in NPT pipe (not included) to the ceiling adapter, twist the male threaded end of the pipe into the female thread on the adapter.

02 Using the Allen key (G), tighten two screws (D or E) onto the pipe to secure its position.

Note. The vaulted ceiling adapter can be adjusted to an angle from 0 to 90°.

We're here to help. Real people in Anna, Texas.

QUALGEAR CUSTOMER SUPPORT

CALL
+1 (972) 423-5015
Monday to Friday, 9 a.m. to 5 p.m. Central Time

EMAIL
support@qualgear.com
Put your model number in the subject line

ONLINE
qualgear.com
Orders, returns, RMAs, warranty, and product questions

Scan for the Support hub
qualgear.com/pages/support

Before you contact us, have ready

01 Your model number: `QG-PRO-PM-VCA-W`

02 Your order number or dated proof of purchase

03 A short description of the issue, and the step number if it happened during installation

04 Photos of the part or installation, if we ask for them

Warranty claims

This product has a **5-year limited warranty (parts only)** from the original purchase date. Email us with this subject line:

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Warranty Claim – [your model number] – [order number]
```

Do not mail or return anything until we issue an approved RMA or written instructions.

Maintenance

Check at regular intervals that the ceiling adapter is secure and safe to use. If you have questions about any instruction or warning, contact QualGear support using the details above.

USEFUL PAGES

Warranty	qualgear.com/pages/warranty
Returns and RMAs	qualgear.com/pages/qualgear-return-policy
FAQ	qualgear.com/pages/faq
Shipping	qualgear.com/pages/shipping

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