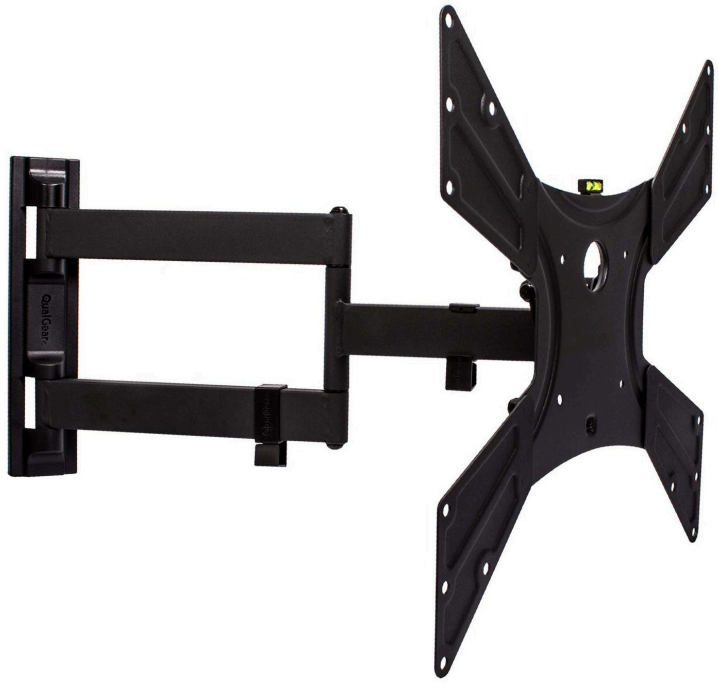
INSTALLATION MANUAL · FULL-MOTION TV WALL MOUNT

Ultra low profile articulating TV wall mounting kit for most 23 to 55 in flat-screen TVs and monitors.

QG-TM-021-BLK



Level ±3° · tilt +5° / −15° · swivel ±90° / ±180° · HDMI cable and bubble level included

BLACK

VESA PATTERNS (MM)	75 × 75 · 100 × 100 · 200 × 100 · 200 × 200 · 300 × 200 · 300 × 300 · 400 × 200 · 400 × 400

MAXIMUM RATED LOAD

66 lb / 30 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, email QualGear customer support at support@qualgear.com.
- 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.
- This QualGear product is designed for residential use only. Commercial use voids the warranty.
- When mounting to wood studs, make sure the mounting screws are anchored into the center of the studs. An edge-to-edge stud finder is highly recommended.
- Never exceed the maximum rated load specified in this manual: 66 lb / 30 kg.
- Use all bolts and screws at the designated points shown in these instructions to prevent property damage and personal injury.
- Do not install near air-conditioner vents or where there is excessive dust or smoke.
- When drilling holes in the wall, take care to avoid electrical cables and water or gas pipes in the wall.

Approved wall construction

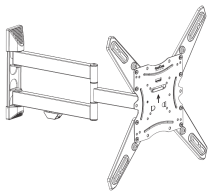
WALL CONSTRUCTION	HARDWARE REQUIRED
Wood stud	Included
Wood beam	Included
Solid concrete	Included
Brick	Included
Other	Contact a qualified professional

Parts 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.

Main parts

ILLUSTRATIONS NOT TO SCALE



Wall mount
× 1

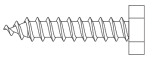
Wall marking template
× 1

HDMI cable
× 1

3-axis magnetic bubble level
× 1

Hardware package

TV SCREWS: USE ONLY WHAT FITS



M6.3 × 65 mm lag bolts
A · ×3

10 × 61 mm concrete / brick anchors
B · ×3

D6 washers
C · ×3

D8.5 × D17 × 10 mm spacers
D · ×4

D5 washers
E · ×4

M4 × 10 mm screws
F · ×4

M4 × 20 mm screws
G · ×4

M5 × 10 mm screws
H · ×4

M5 × 20 mm screws
I · ×4

M6 × 10 mm screws
J · ×4

M6 × 20 mm screws
K · ×4

M8 × 10 mm screws
L · ×4

M8 × 20 mm screws
M · ×4

Allen key
N · ×1

Wrench
O · ×1

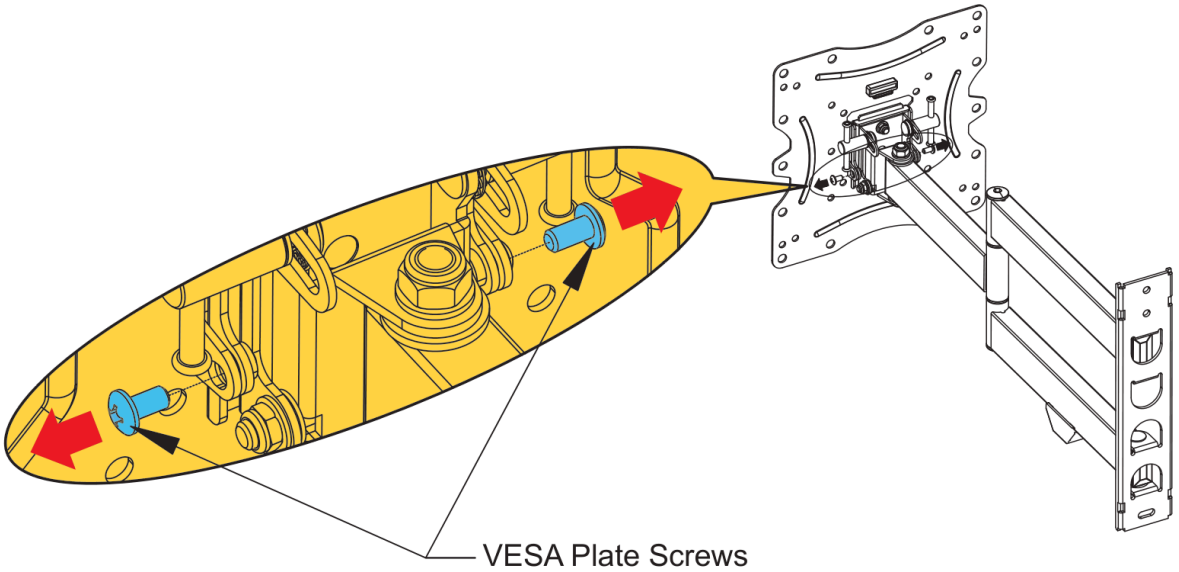
M6 × 8 mm screws
P · ×8

D6 plastic washers
Q · ×8

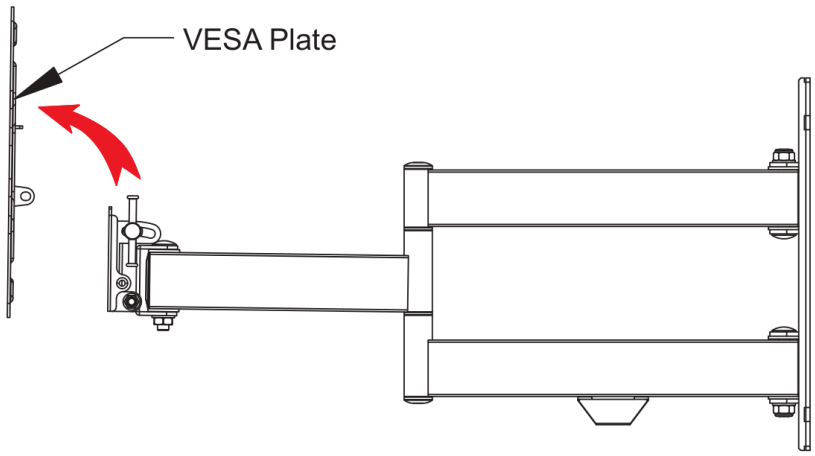
STEP 1

Remove the VESA plate

1



1.1 Loosen and remove the VESA plate screws on the VESA plate, as shown.



1.2 Lift the VESA plate off the mount, as shown.

Note. Keep the VESA plate screws. You will use them again in step 5.

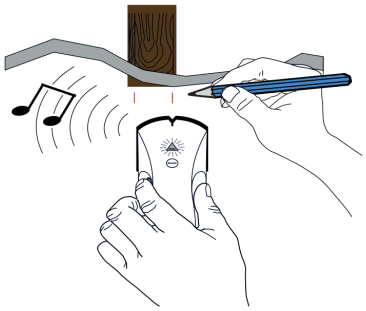
STEP 2 · MOUNT THE WALL MOUNT

Mount to a wood stud wall

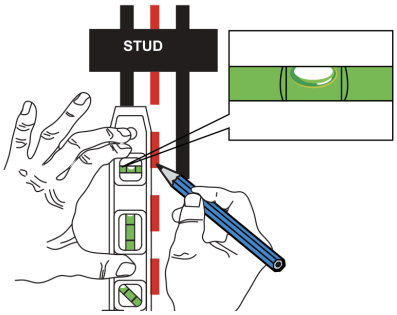
2a

Note. For a concrete or brick wall, follow step 2b on page 07.

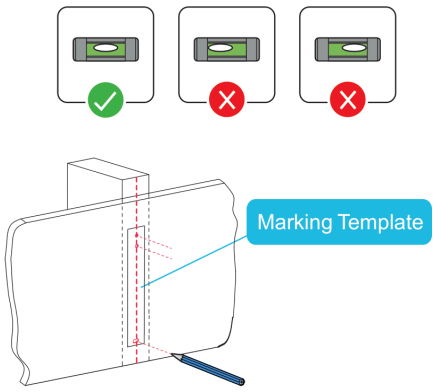
Stud finder | Level | Pencil | Power drill | 3/16 in drill bit | Socket wrench



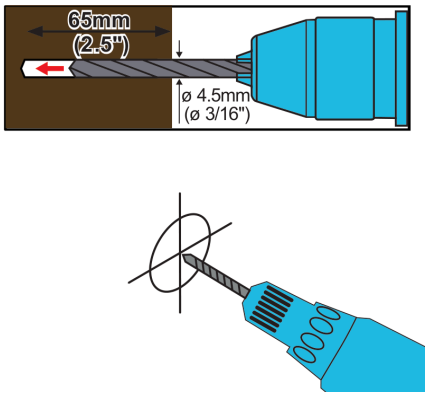
2a.1 Using an edge-to-edge stud finder, find the edges of the stud.



2a.2 Using a level, mark the centerline of the stud.

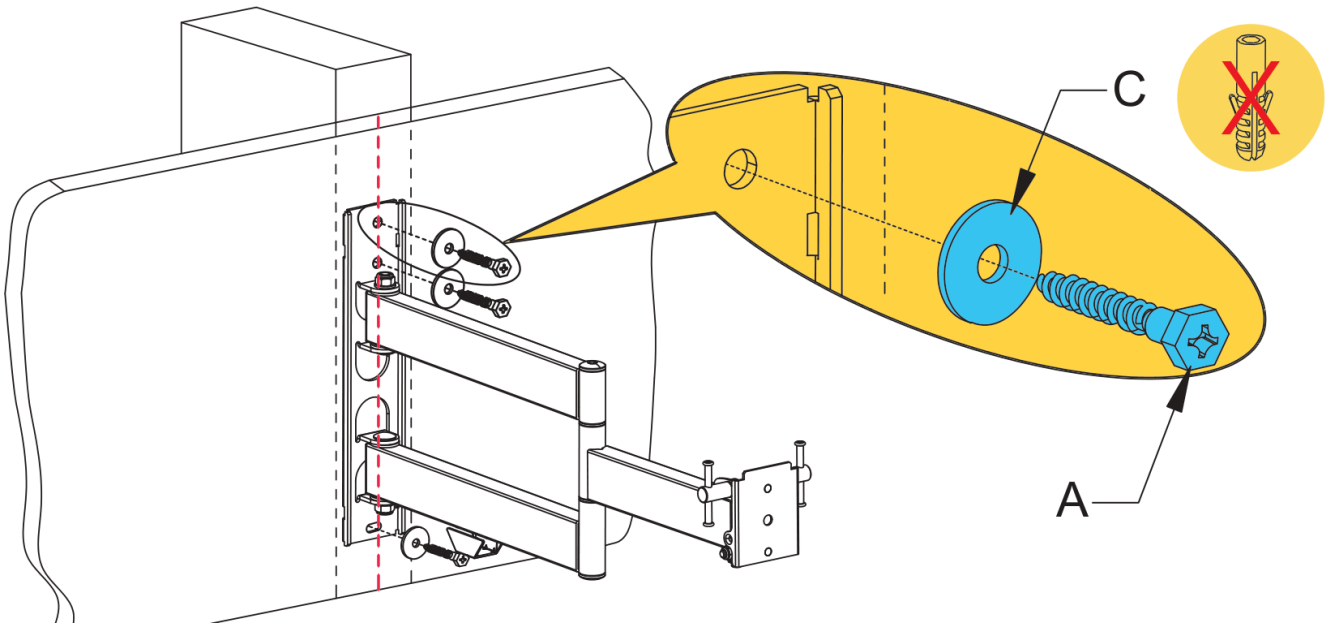


2a.3 Level the wall marking template and mark three holes for drilling on the centerline of the stud.



2a.4 Using a power drill and a 3/16 in drill bit, drill pilot holes 3/16 in (4.5 mm) in diameter and at least 2.5 in (65 mm) deep at the marked locations.

2a Mount to a wood stud wall (continued)



2a.5 Mount the wall plate of the wall mount and tighten it with the lag bolts (A) and D6 washers (C) using a socket wrench.

Note. Do not use a power drill to drive the lag bolts, and do not overtighten them. Do not use the concrete / brick anchors (B) in drywall.

⚠ **Warning.** Make sure the mounting screws are anchored into the center of the studs; the use of a stud finder is highly recommended. Installers are responsible for providing 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.

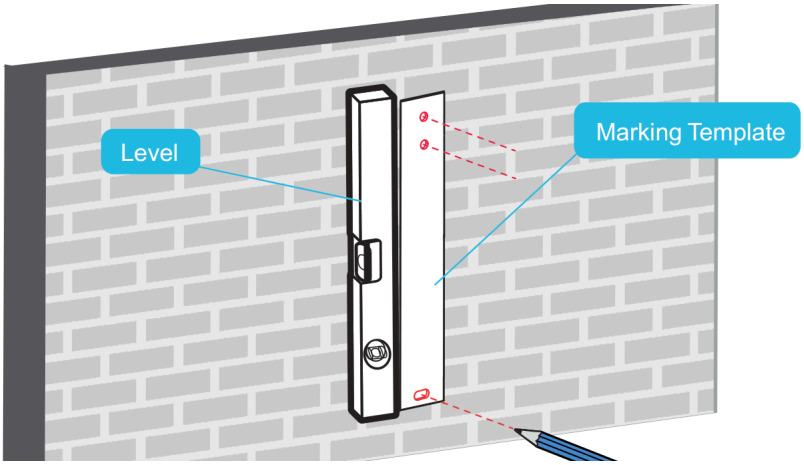
WALL MOUNT INSTALLED · SKIP TO STEP 3, PAGE 08

STEP 2 · MOUNT THE WALL MOUNT

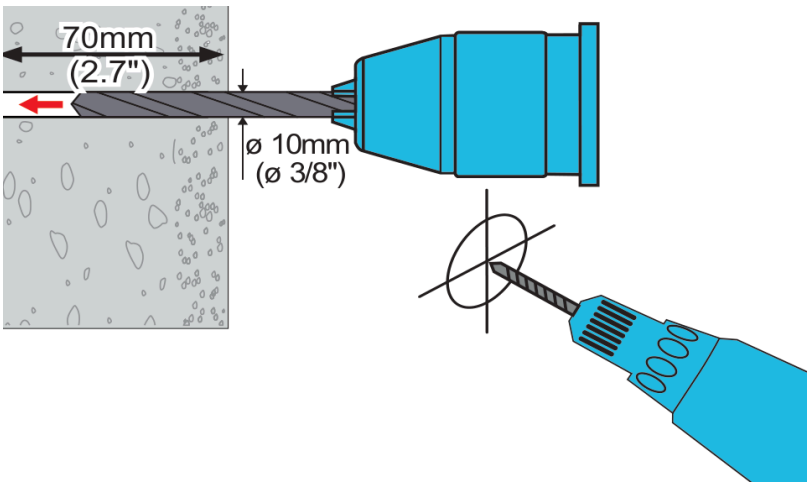
Mount to a concrete or brick wall

2b

Concrete or brick wall | Level | Pencil | Power drill | 3/8 in masonry drill bit | Hammer | Socket wrench

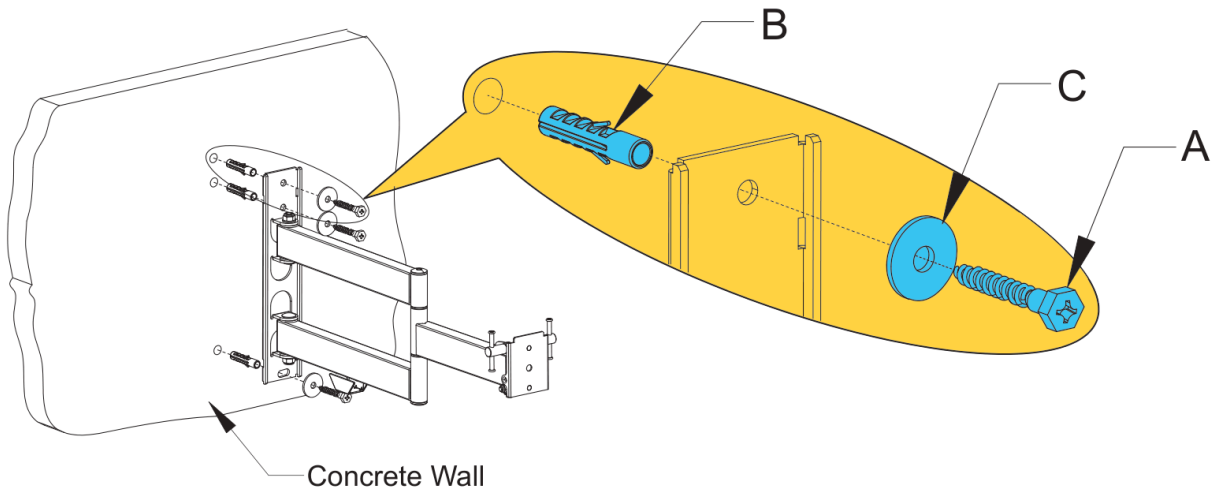


2b.1 Hold the wall marking template against the wall where you want to install the TV, level it, and mark three holes for drilling.



2b.2 Using a power drill and a 3/8 in masonry drill bit, drill mounting holes 3/8 in (10 mm) in diameter and 2.7 in (70 mm) deep at the marked locations.

2b Mount to a concrete or brick wall (continued)



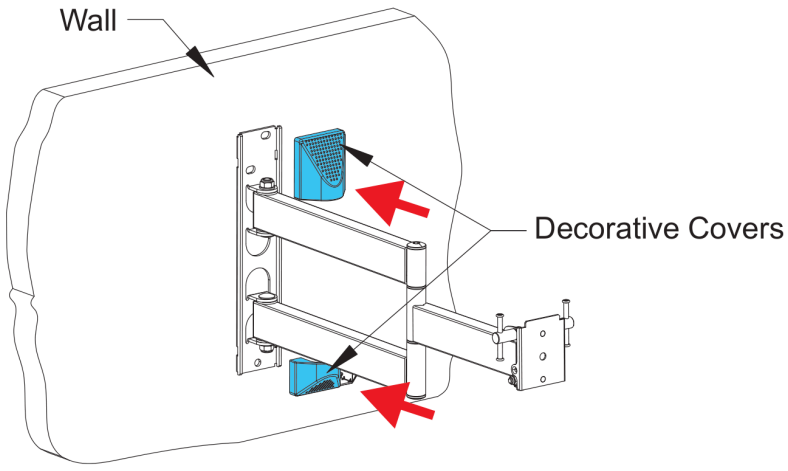
2b.3 Place a concrete / brick anchor (B) in each hole and tap it flush with the wall using a hammer. Mount the wall plate of the wall mount and tighten it with the lag bolts (A) and D6 washers (C) using a socket wrench.

⚠ **Warning.** Installers must verify that the supporting surface will safely support the combined weight of the equipment and all attached hardware and components. Do not use a power drill to drive the lag bolts, and do not overtighten them.

STEP 3

Install the decorative covers

3



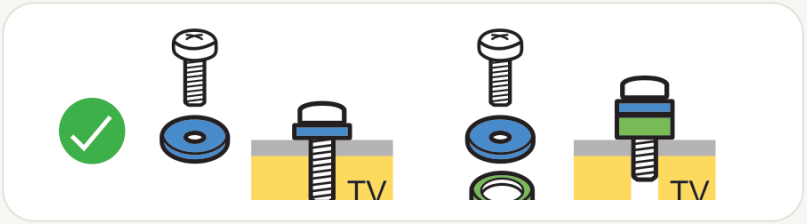
Insert the decorative covers along the wall plate rail until they fit snugly onto the wall plate.

STEP 4

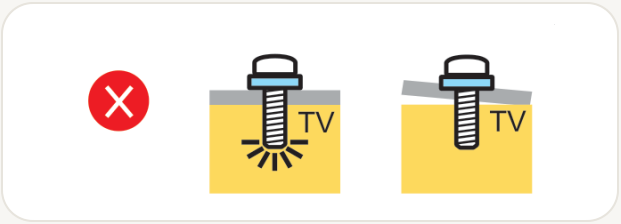
Install the VESA plate on the TV

4

YOUR TV'S VESA PATTERN (MM)	FOLLOW
200 × 200 or smaller	Step 4a, page 10
300 × 200 or 400 × 200	Step 4b, page 11 (extension arms)
300 × 300 or 400 × 400	Step 4c, page 12 (extension arms)

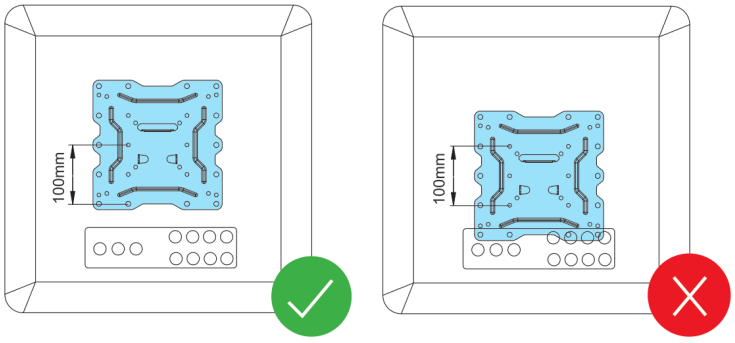


Correct: the screw engages the full thread depth, with washers or spacers where needed.



Incorrect: a screw that is too long or too short.

⚠ **Important.** Select the proper screw by hand-tightening screws to check the thread depth for your TV. Tighten all screws, but do not overtighten. Tool: Phillips screwdriver.



Correct (left) and incorrect (right) VESA plate positions.

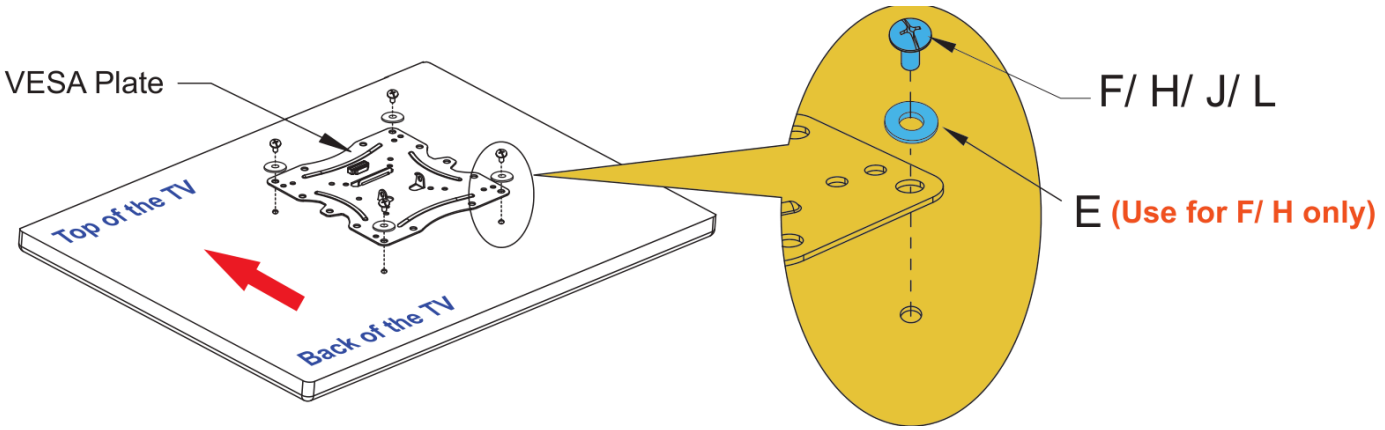
⚠ **Caution.** For TVs with VESA 200 × 200 mm or smaller mounting-hole patterns, move the VESA plate up or down to select a different mounting position so it does not block the input panel on the back of the TV.

STEP 4A · VESA 200 × 200 MM OR SMALLER

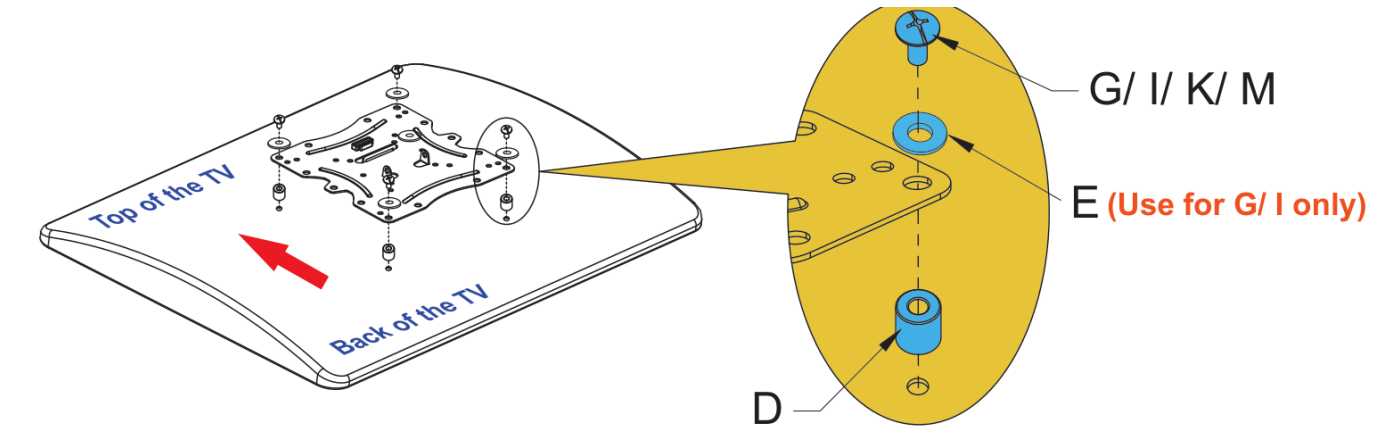
Attach the VESA plate directly

4a

Choose the screws, washers, and spacers (if necessary) that fit your TV. Attach the VESA plate to the back of the TV and tighten the screws using a screwdriver.



`Flat back` Screws F, H, J, or L. Use washers (E) with F or H only.



`Curved back` Screws G, I, K, or M, with spacers (D) as needed. Use washers (E) with G or I only.

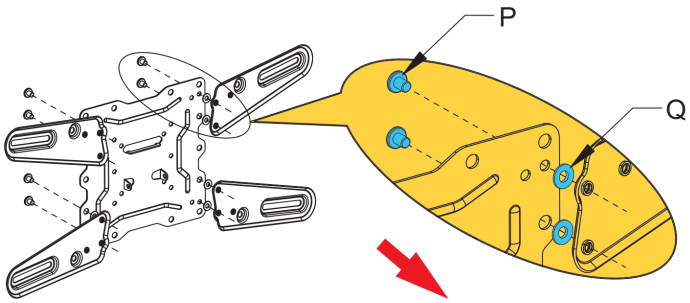
Note. Tighten all screws, but do not overtighten.

VESA PLATE INSTALLED · SKIP TO STEP 5, PAGE 13

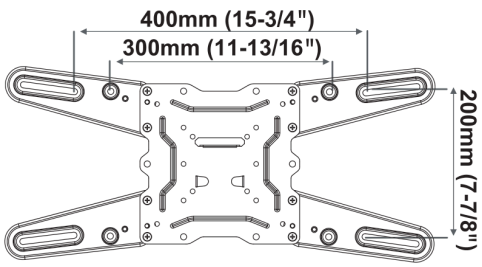
STEP 4B · VESA 300 × 200 OR 400 × 200 MM

Attach the VESA plate with extension arms

4b

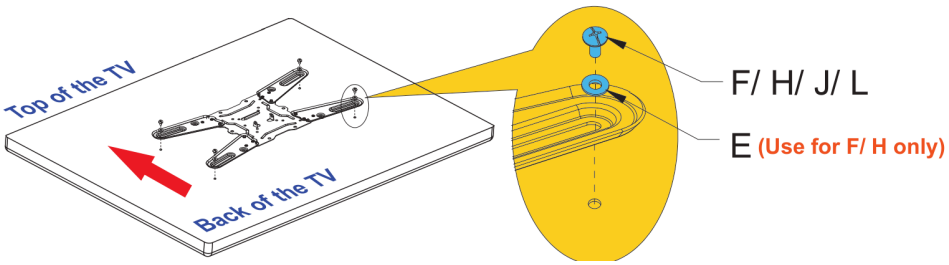


4b.1 Attach the extension arms to the VESA plate as shown, using screws (P) and plastic washers (Q).

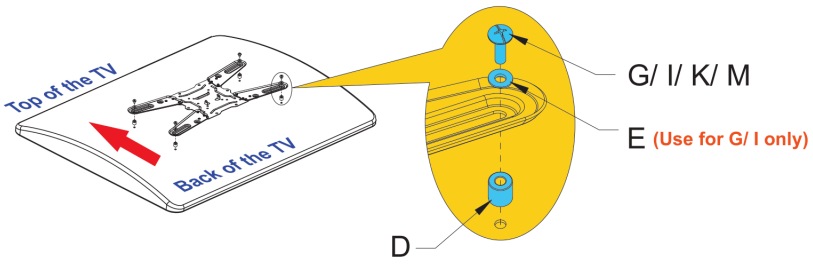


4b.2 Hole spacing: 400 mm (15-3/4 in) or 300 mm (11-13/16 in) wide, 200 mm (7-7/8 in) high.

Choose the screws, washers, and spacers (if necessary) that fit your TV. Attach the VESA plate to the back of the TV and tighten the screws using a screwdriver.



`Flat back` Screws F, H, J, or L. Use washers (E) with F or H only.



`Curved back` Screws G, I, K, or M, with spacers (D) as needed. Use washers (E) with G or I only.

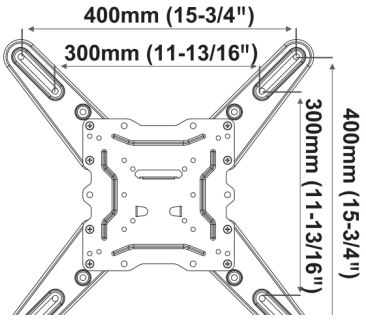
Note. For TVs with a curved back, use spacers as needed. Use washers with M4 or M5 screws only.

VESA PLATE INSTALLED · SKIP TO STEP 5, PAGE 13

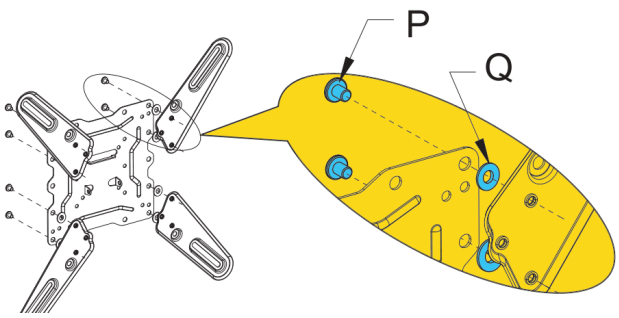
STEP 4C · VESA 300 × 300 OR 400 × 400 MM

Attach the VESA plate with extension arms

4c

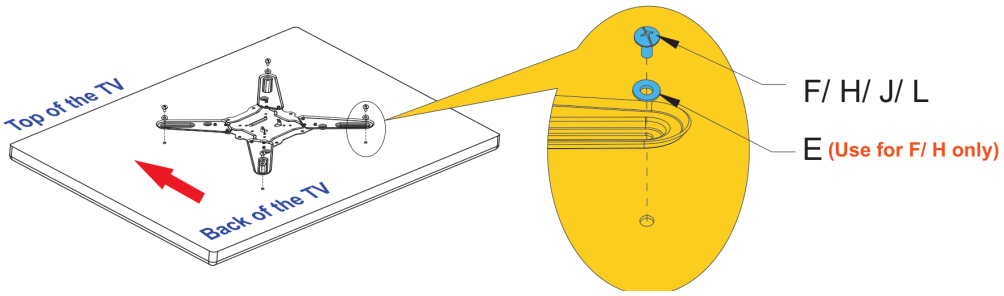


4c.1 Hole spacing: 400 mm (15-3/4 in) or 300 mm (11-13/16 in), both directions.

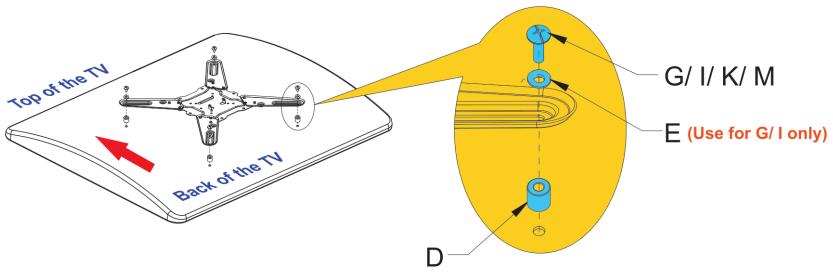


4c.2 Attach the extension arms to the VESA plate as shown, using screws (P) and plastic washers (Q).

Choose the screws, washers, and spacers (if necessary) that fit your TV. Attach the VESA plate to the back of the TV and tighten the screws using a screwdriver.



`Flat back` Screws F, H, J, or L. Use washers (E) with F or H only.



`Curved back` Screws G, I, K, or M, with spacers (D) as needed. Use washers (E) with G or I only.

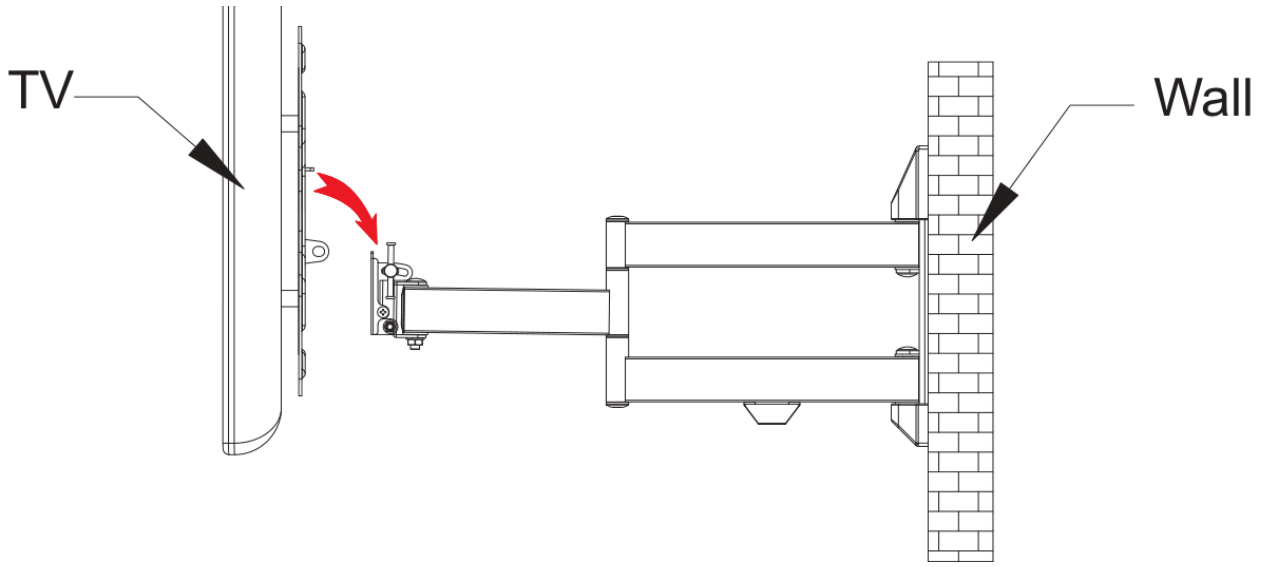
Note. For TVs with a curved back, use spacers as needed. Use washers with M4 or M5 screws only.

STEP 5

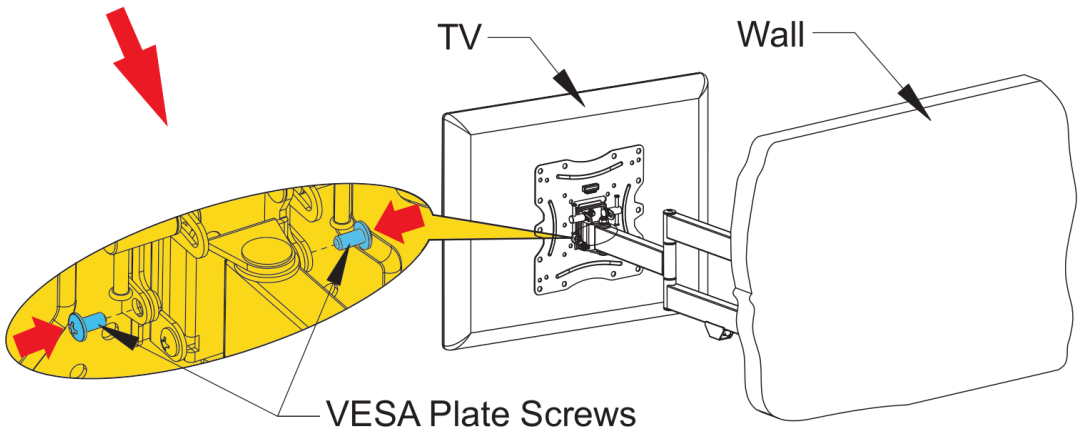
Hang the TV on the wall mount

5

⚠ **Important.** Heavy. Use an assistant for this step.



5.1 With an assistant, hang the TV on the wall mount, as shown.

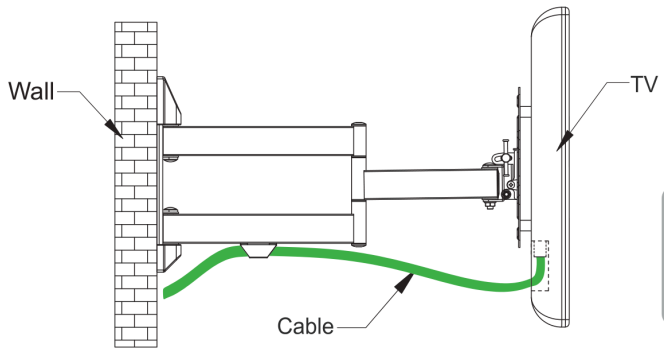


5.2 While the assistant holds the TV securely, tighten the VESA plate screws using a screwdriver.

STEP 6

Manage the cables

6



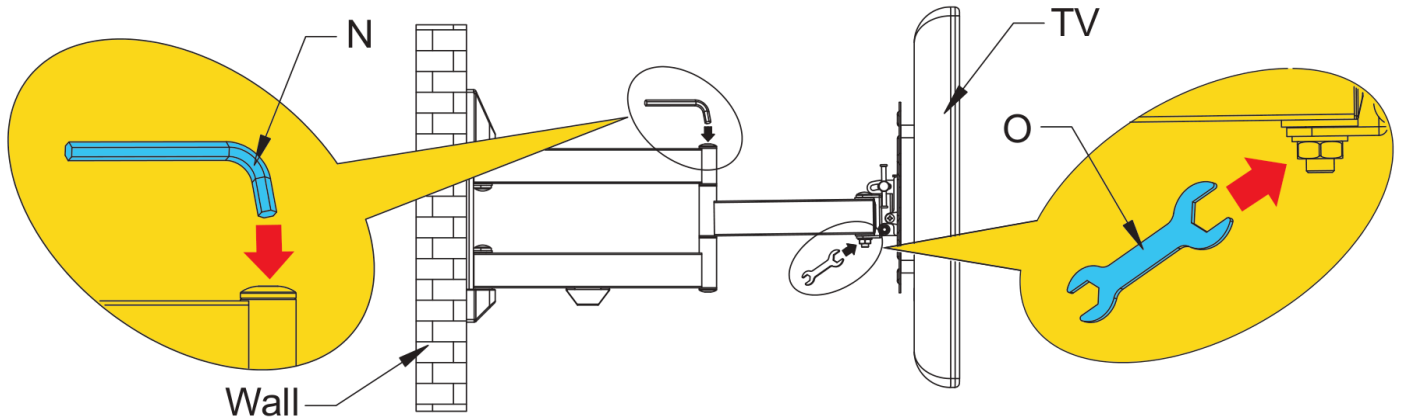
Note. Keep the cables loose for the movement of the arms.

Connect the cables to your TV and run them through the cable clip.

STEP 7

Adjust the TV

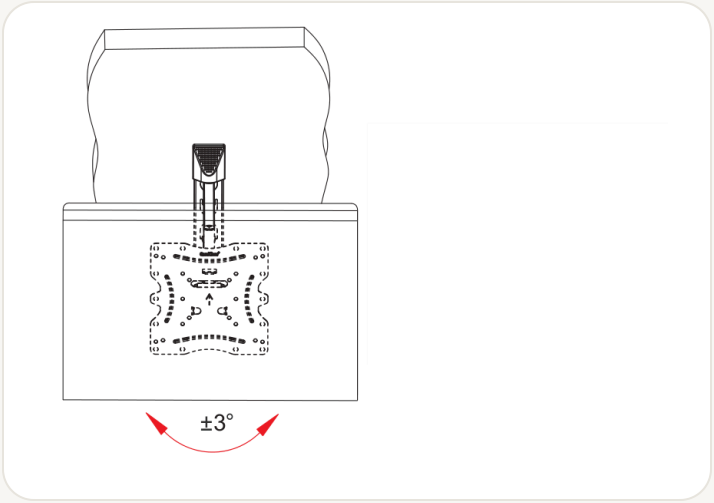
7



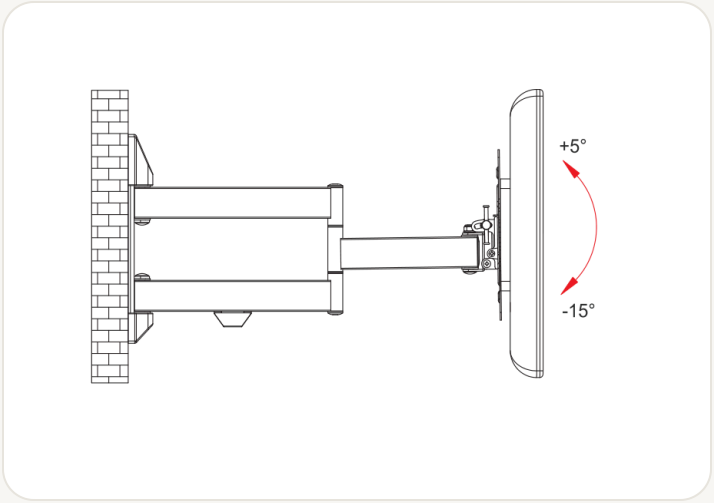
The arm tension is preset at the factory. To adjust it, loosen or tighten the arm adjustment bolts using the Allen key (N) and wrench (O). Tilt and swivel the bracket to move the TV or monitor to the position you want.

Note. Tighten all bolts and screws after adjusting the TV.

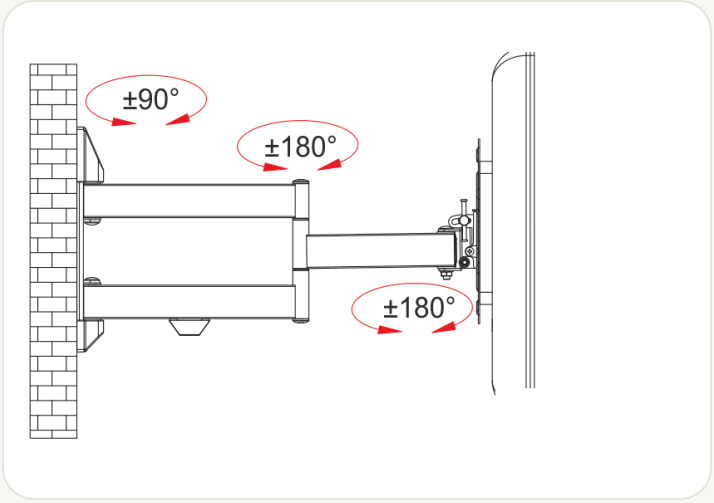
7 Adjust the TV (continued)



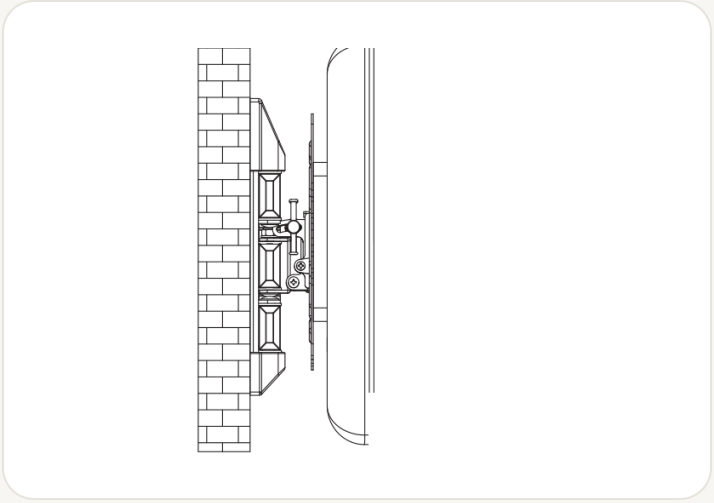
Level: –3° to +3°. To level the TV, loosen the locknut slightly, level the TV, and tighten the locknut.



Tilt: –15° to +5°.



Swivel: ±90° and ±180° at the joints shown.



Flush to the wall.

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-TM-021-BLK`
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 **1-year limited warranty (parts only)** from the original purchase date. Email us with this subject line:

```
Warranty Claim – QG-TM-021-BLK – [order number]
```

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

Maintenance

Check at regular intervals that the TV wall mount is secure and safe to use. If you have questions about any instruction or warning, contact your local distributor or email QualGear technical support at support@qualgear.com.

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

QUALGEAR

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