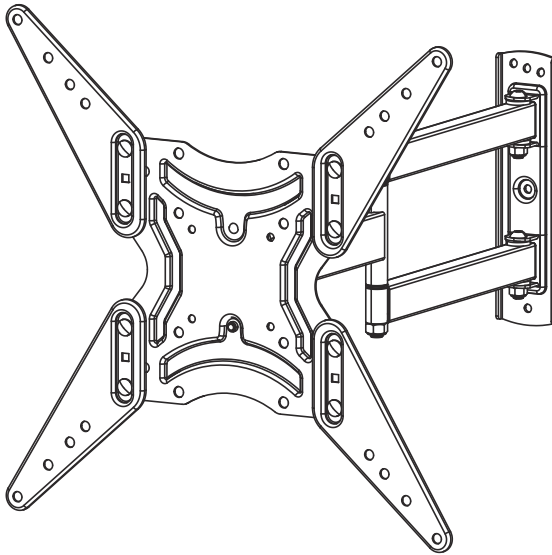




PERLESMITH

Full Motion TV Mount Instruction Manual



Model: PSMFK1

For any parts enquiries, please contact AV Supply Group as below:

New Zealand: P: **64 9 274 9172** E: **info@avsupply.co.nz**

Australia: P: **61 3 9071 4585** E: **info@avsupplygroup.com.au**

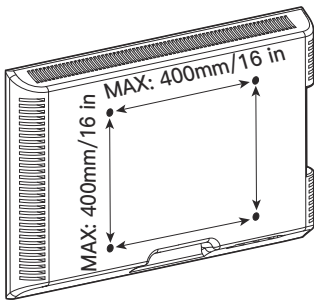
IMPORTANT SAFETY INFORMATION

Please carefully read all instructions before attempting installation. If you do not understand the instructions or have any concerns or questions, please contact customer service at supportus@perlesmith.com.

CAUTION: Avoid potential personal injuries and property damage!

- Do not use this product for any purpose that is not explicitly specified in this manual. Do not exceed weight capacity. We are not liable for damage or injury caused by improper mounting, incorrect assembly or inappropriate use.
- This product is designed for use in wood stud, solid concrete, concrete block and brick walls. – DO NOT install into drywall alone.
- The wall must be capable of supporting five times the weight of the TV and mount combined.

Check the VESA Pattern of TV before the Installation



100 mm \approx 4 in
200 mm \approx 7 7/8 in
300 mm \approx 11 3/4 in
400 mm \approx 15 3/4 in

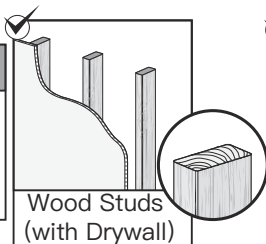
Minimum VESA pattern: 100mm/4 in (W)x100mm/4 in (H)

If your TV VESA is greater than 400x400 mm/16x16in. or less than VESA 100x100mm/4x4 in, this mount is NOT compatible.

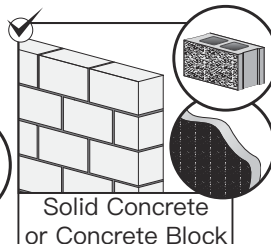
Verify Your Wall Construction

CAUTION

DO NOT
install into
drywall alone



Wood Studs
(with Drywall)



Solid Concrete
or Concrete Block

If you are not sure the
wall construction, please
contact customer service at
supportus@perlesmith.com.

Tools Needed (Not Included)



Stud Finder



Awl



Tape Measure



Pencil



Electric Drill



Hammer



Level



Phillips Screwdriver



5/32 in (4mm)
Wood Drill



3/8 in (10mm)
Concrete Drill



3/8 in (10mm)
Socket Wrench



7/16 in (11mm)
Socket Wrench



1/2 in (13mm)
Socket Wrench

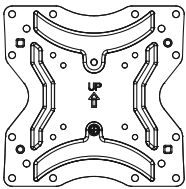
Supplied Parts and Hardware

⚠ WARNING: This product contains small items that could be a choking hazard if swallowed.

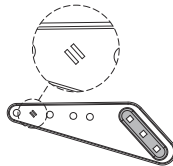
Before starting assembly, verify all parts are included and undamaged. Do not use damaged or defective parts. If you require replacement parts, please contact customer service at supportus@perlesmith.com.

• **PLEASE NOTE:** Not all hardware included in this package will be used.

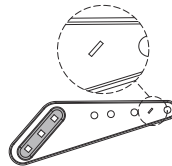
Supplied Parts and Hardware for Step 1



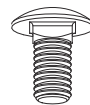
Faceplate **01A** x1



03 x2



02 x2



Carriage Bolt
M6 x 12mm
G x8

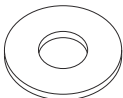


M6 Nut
H x8

Supplied Hardware for Step 2

04

Washer (if needed)



[B] x4
M4/M6

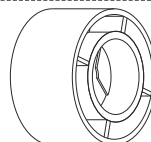
05

Spacers (if needed)

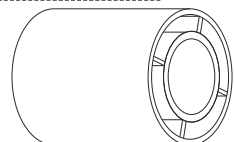
NOTE: The spacers are shown in actual size.



[C1] x8
φ8.5x18x2.5mm



[C2] x4
φ8.5x18x10mm



[C3] x4
φ8.5x18x22mm

06 TV Bolts (Only one bolt size fits your TV)

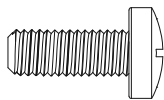
NOTE: The bolts are shown in actual size.

M4

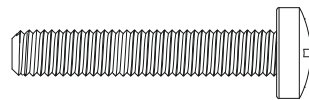


[D1] x4
M4 X 30mm

M6

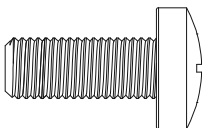


[E1] x4
M6x15mm

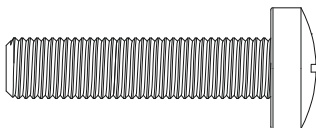


[E2] x4
M6x35mm

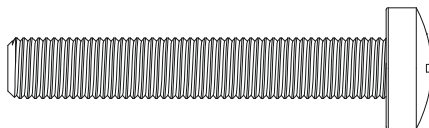
M8



[F1] x4
M8x20mm

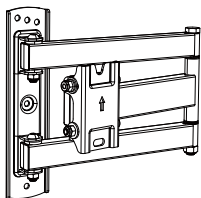


[F2] x4
M8x35mm



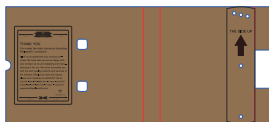
[F3] x4
M8x50mm

Supplied Parts and Hardware for Step 3



Arm Assembly/
Wall Plate

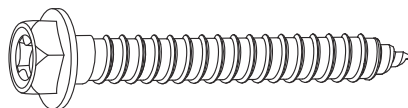
01B x1



Wall Plate Template

07 x1

NOTE: The lag screw is shown in actual size.



Lag Screw
ST6.3x60 mm

A1 x4

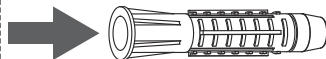
! CAUTION!

A2

x4

Wall
Anchor

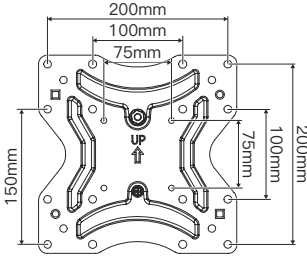
This anchor is for
concrete or brick walls
ONLY. DO NOT use them
in drywall or wood studs.



Step 1 Secure the Extender Brackets to Faceplate (Optional)

Select the Combination that Applies to Your VESA Hole Pattern.

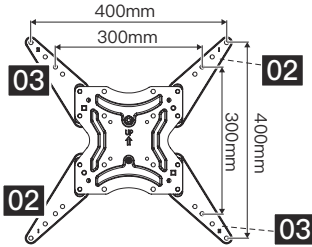
Option A: No Need to Attach Extender Brackets to Faceplate



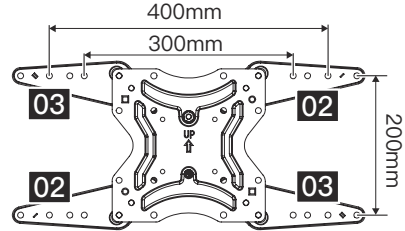
For VESA hole pattern:

- 3x3 in (75x75 mm)
- 4x4 in (100x100 mm)
- 4x5.9 in (100x150 mm)
- 4x7.9 in (100x200 mm)
- 7.9x4 in (200x100 mm)
- 7.9x5.9 in (200x150 mm)
- 7.9x7.9 in (200x200 mm)

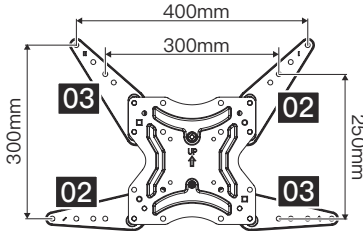
Option B: Need to Attach Extender Brackets to Faceplate



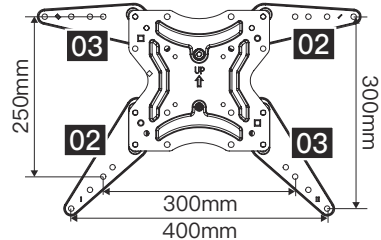
For VESA hole pattern:
 11.8x11.8 in (300x300 mm)
 15.7x15.7 in (400x400 mm)



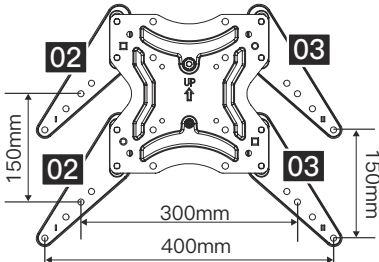
For VESA hole pattern:
 11.8x7.9 in (300x200 mm)
 15.7x7.9 in (400x200 mm)



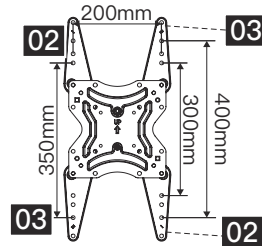
For VESA hole pattern:
 15.7x11.8 in (400x300 mm)
 11.8x9.8 in (300x250 mm)



For VESA hole pattern:
 11.8x9.9 in (300x250 mm)
 15.7x11.8 in (400x300 mm)



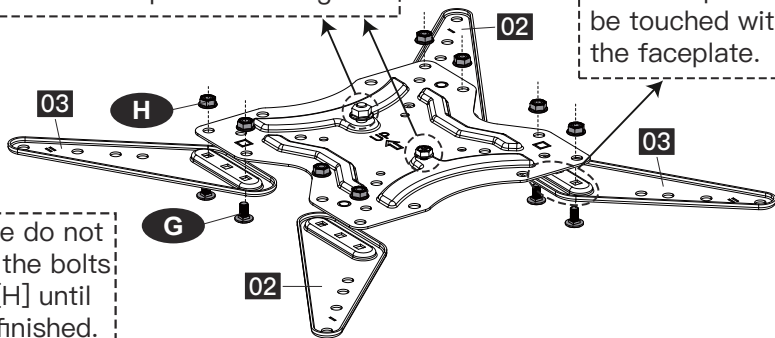
For VESA hole pattern:
 11.8x5.9 in (300x150 mm)
 15.7x5.9 in (400x150 mm)



For VESA hole pattern:
 7.9x11.8 in (200x300 mm)
 7.9x13.8 in (200x350 mm)
 7.9x15.7 in (200x400 mm)

▲Note: The side with the nut and phillips head bolt should be upwards-facing.

▲Note: The side with bump should be touched with the faceplate.

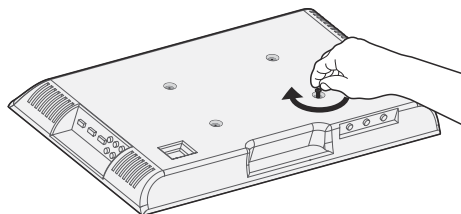
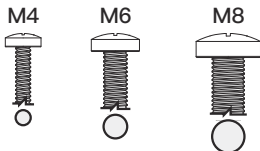


▲Note: Please do not firmly tighten the bolts [G] and nuts [H] until the step 2 is finished.

Step 2 Secure the Faceplate [01A] or Faceplate [01A] with Extender Brackets [02] and [03] to TV

Select TV Bolts

Only one bolt size fits your TV.



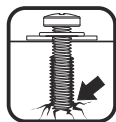
Bolt length: Verify adequate thread engagement with bolts or bolts/spacers combination. We recommend thread engagement by at least 5 turns.

-Too short will not hold the TV.

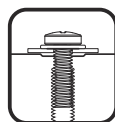
-Too long will damage the TV.



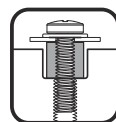
Too Short



Too Long



Correct



Correct

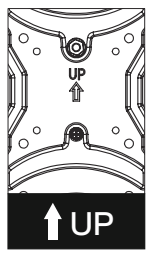
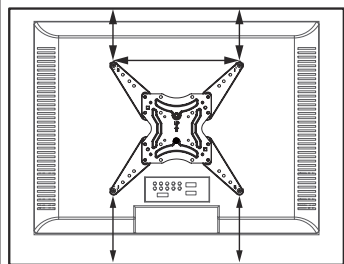


Please Note: The provided TV bolts meet most of today's TVs design. However, some TVs require special bolts which may not be in the hardware bag. In this case we offer our "PSUHP" Universal Hardware Kit which provides a large selection of bolts that can meet the demand of older and unique applications.

Please Note: When using the spacers it is important to note that they can be used in multi-layers (meaning stacked). If you have any difficulty understanding how to install the TV bolts or spacers, please contact customer service at supportus@perlesmith.com.

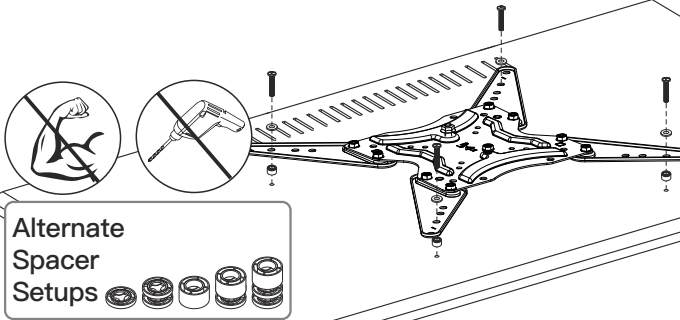
⚠ CAUTION: Ensure the faceplate [01A] or faceplate [01A] with extender brackets [02] and [03] is **EQUALLY CENTERED** on your TV and securely fastened in place.

⚠ PLEASE NOTE: The bolt hole locations on your TV may vary in accordance of the manufacturers design of the TV. We are only illustrating possible locations of the bolt holes.



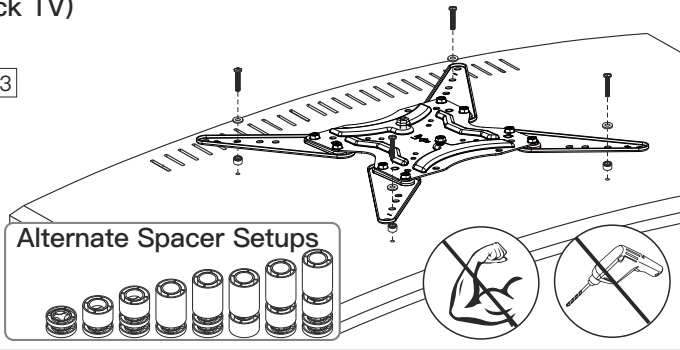
Option A (For Flat Back TV)

- 06 D1/E1/F1**
- 04 B**
(If needed)
- 05 C1/C2**
(If needed)



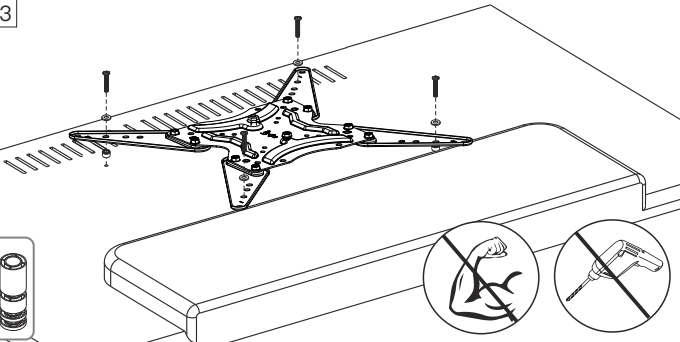
Option B (For Round Back TV)

- 06 D1/E2/F2/F3**
- 04 B**
(If needed)
- 05 C1/C2/C3**



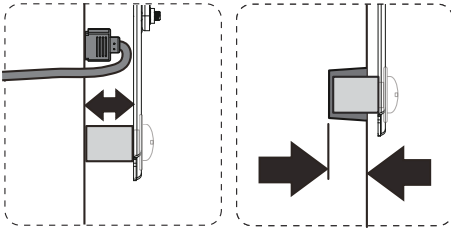
Option C (For TV with A "Bump")

- 06 D1/E2/F2/F3**
 - 04 B**
(If needed)
 - 05 C1/C2/C3**
- Alternate Spacer Setups**
-

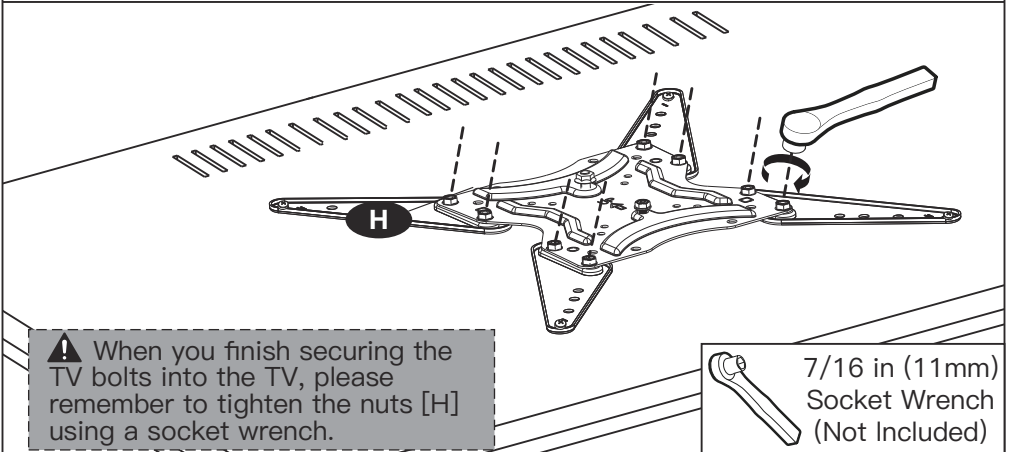
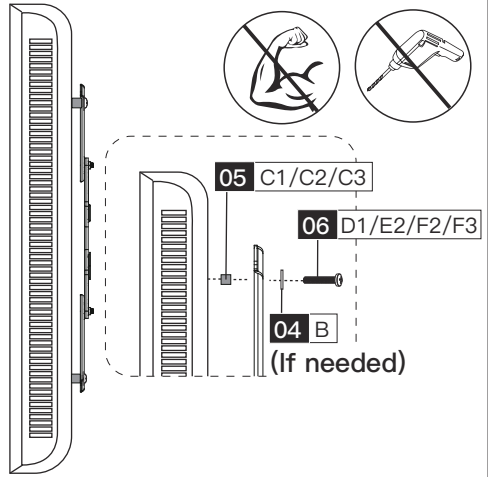
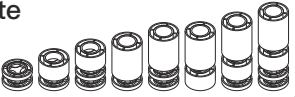


Option D

For cable interference or inset holes, use spacers [05] to create extra space between the TV and the faceplate.



Alternate
Spacer
Setups



Step 3 Attach the Arm Assembly/Wall Plate [01B] to Wall

For wood stud installation, follow STEP 3A.

For concrete installation, follow STEP 3B.

Step 3A Wood Stud Option

! WARNING:

Avoid potential personal injury or property damage! DO NOT over-tighten the lag screws [A1]. Tighten the lag screws [A1] only until they are pulled firmly against the arm assembly/wall plate [01B].

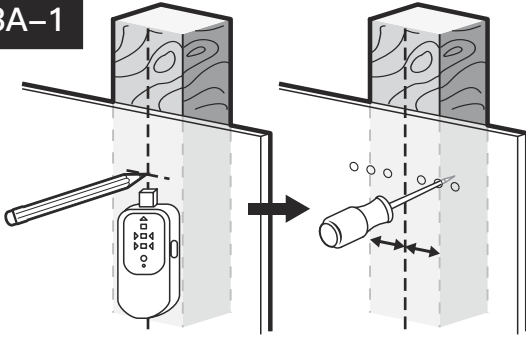
DO NOT USE ANCHOR FOR THIS STEP.

Ensure the arm assembly/wall plate [01B] is securely fastened to the wall before continuing to the next step.

- Any material covering the wall must not exceed 5/8 in (16 mm).
- Nominal wood stud size: common 2 x 4 in (51 x 102 mm) minimum 1.5 x 3.5 in (38 x 89 mm).
- Stud center must be verified.



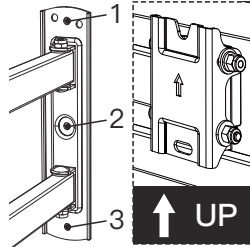
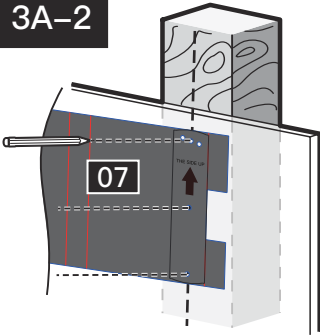
3A-1



Use a stud finder (not included) to locate wood studs or use an awl (not included) to verify the edges. Mark the edge and center locations.



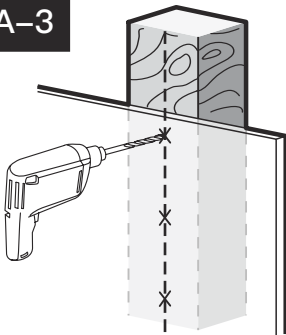
3A-2



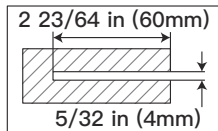
Position the Wall Plate Template [07] at your desired height and line up the holes with your stud center line. Level the Wall Plate Template [07] and mark the holes.



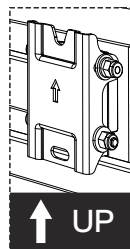
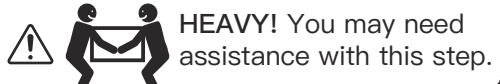
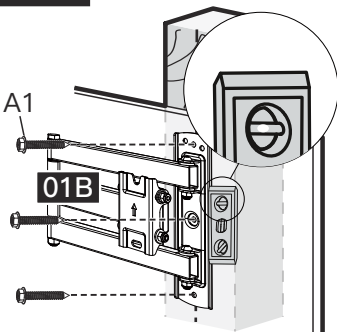
3A-3



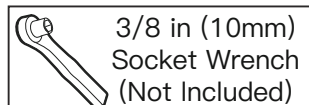
Drill 3 pilot holes using a 5/32 in (4mm) diameter drill bit. Make sure the depth is not less than 2 23/64 in (60mm).



3A-4



Install the arm assembly/wall plate [01B] using lag screws [A1]. Tighten the lag screws [A1] only until they are pulled firmly against the arm assembly/ wall plate [01B].



Step 3B Solid Concrete or Concrete Block Option

! WARNING:

Avoid potential personal injury or property damage! DO NOT over-tighten the lag screws [A1]. Tighten the lag screws [A1] only until they are pulled firmly against the arm assembly/wall plate [01B].

Ensure the arm assembly/wall plate [01B] is securely fastened to the wall before continuing to the next step.

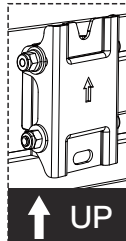
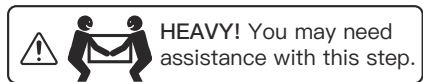
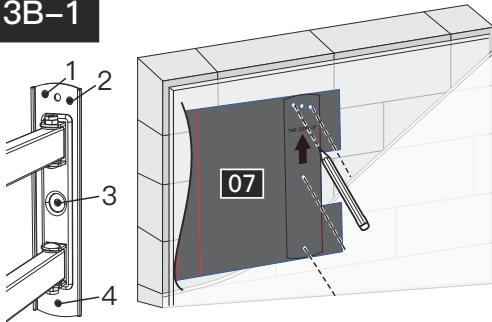
- Any material covering the wall must not exceed 5/8 in (16 mm)
- Mount the arm assembly/wall plate directly onto the concrete surface.
- Minimum solid concrete thickness: 203 mm (8 in).
- Minimum concrete block size: 203 x 203 x 406 mm (8 x 8 x 16 in).
- Never drill into the mortar between blocks.



Wall Anchor

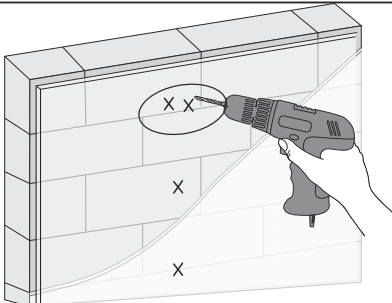
A2

3B-1

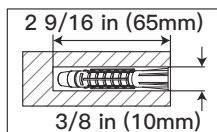


Position Wall Plate Template [07] at your desired height, level the wall plate Template [07] and mark the pilot hole locations.

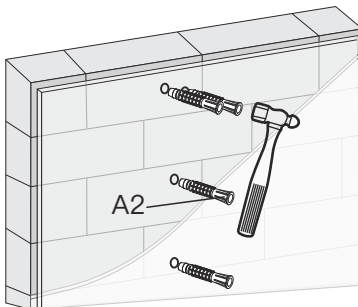
3B-2



Drill 4 pilot holes using a 3/8 in (10mm) diameter drill bit. Make sure the depth is not less than 2 9/16 in (65mm). Never drill into the mortar between blocks.



3B-3

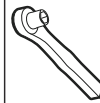


Use the hammer to knock anchors [A2] into the wall. Be sure the anchors [A2] are seated flush with the concrete surface.

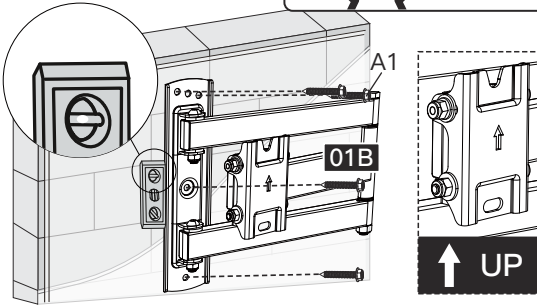
3B-4



HEAVY! You may need assistance with this step.



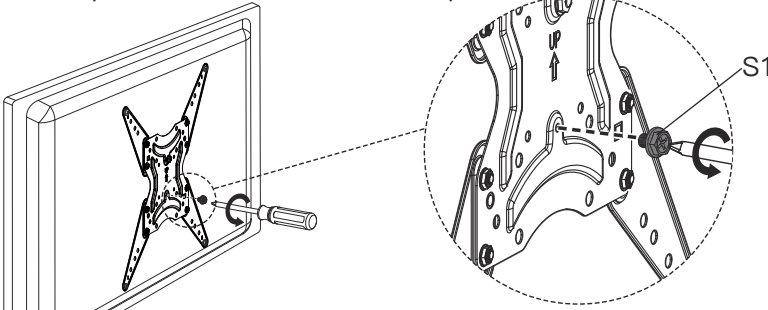
3/8 in (10mm)
Socket Wrench
(Not Included)



Install wall plate using lag screws [A1]. Tighten the lag screws [A1] only until they are pulled firmly against the arm assembly/ wall plate [01B]. **DO NOT** over-tighten the lag screws [A1].

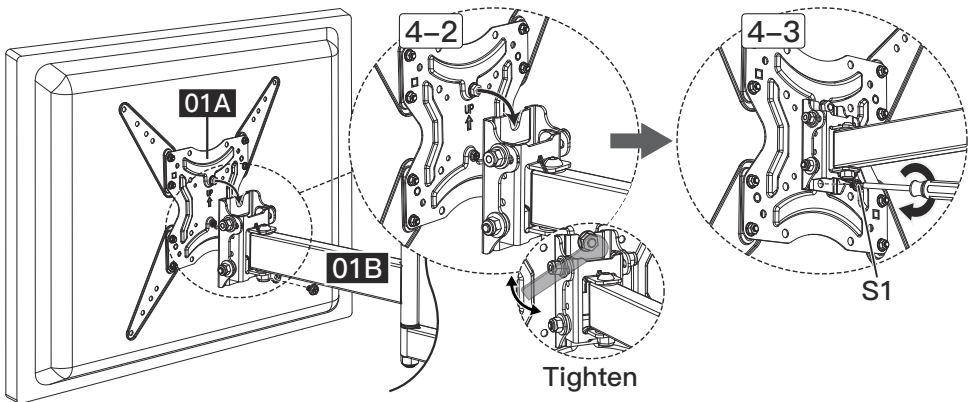
Step 4 Secure the TV onto the Arm Assembly/Wall Plate [01]

4-1. Use the phillips screwdriver to remove the bolt [S1] from the faceplate [01A] and keep the bolt [S1] for use in Step 4-3.



4-2. Hang the TV to the arm assembly/wall plate, making sure the upper bolt hangs on the hook on the arm assembly/wall plate.

4-3. Tighten the bolt [S1] to secure the TV to the arm assembly/wall plate.



HEAVY! You may need assistance with this step.



1/2 in (13mm)
Socket Wrench
(Not Included)



Phillips
Screwdriver
(Not Included)

Step 5 Adjustments

5-1 Level Adjustment

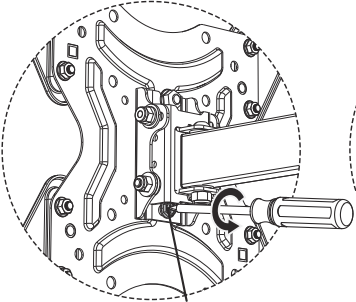
If needed, the TV can be levelled.

CAUTION!

Please do not over-tighten or over-loosen the bolts.

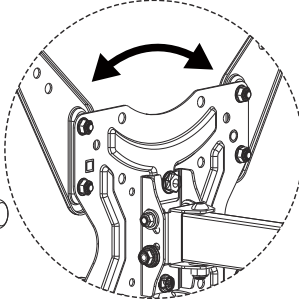


Phillips
Screwdriver
(Not Included)

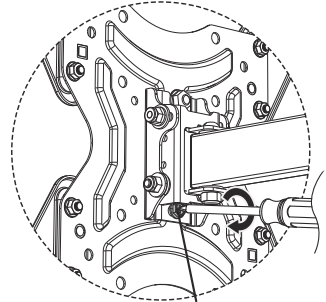


S1

Slightly loosen
the bolt [S1]



Level your TV



S1

Tighten the bolt [S1]
to secure TV in place

5-2 Tilt Adjustment

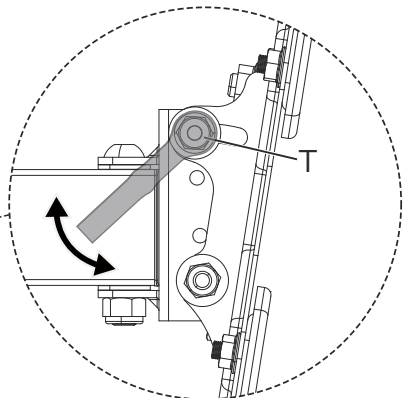
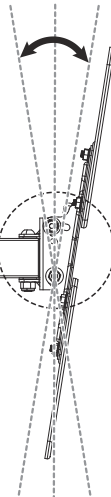
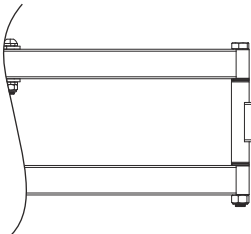
1. Slightly loosen the two nuts [T] with a self-supplied socket wrench.
2. Adjust the TV to your desired angle.
3. Tighten two nuts [T] to hold the TV in place.

CAUTION!

Please do not over-tighten or over-loosen the nuts.



7/16 in (11mm)
Socket Wrench
(Not Included)



T