INSTALLATION MANUAL
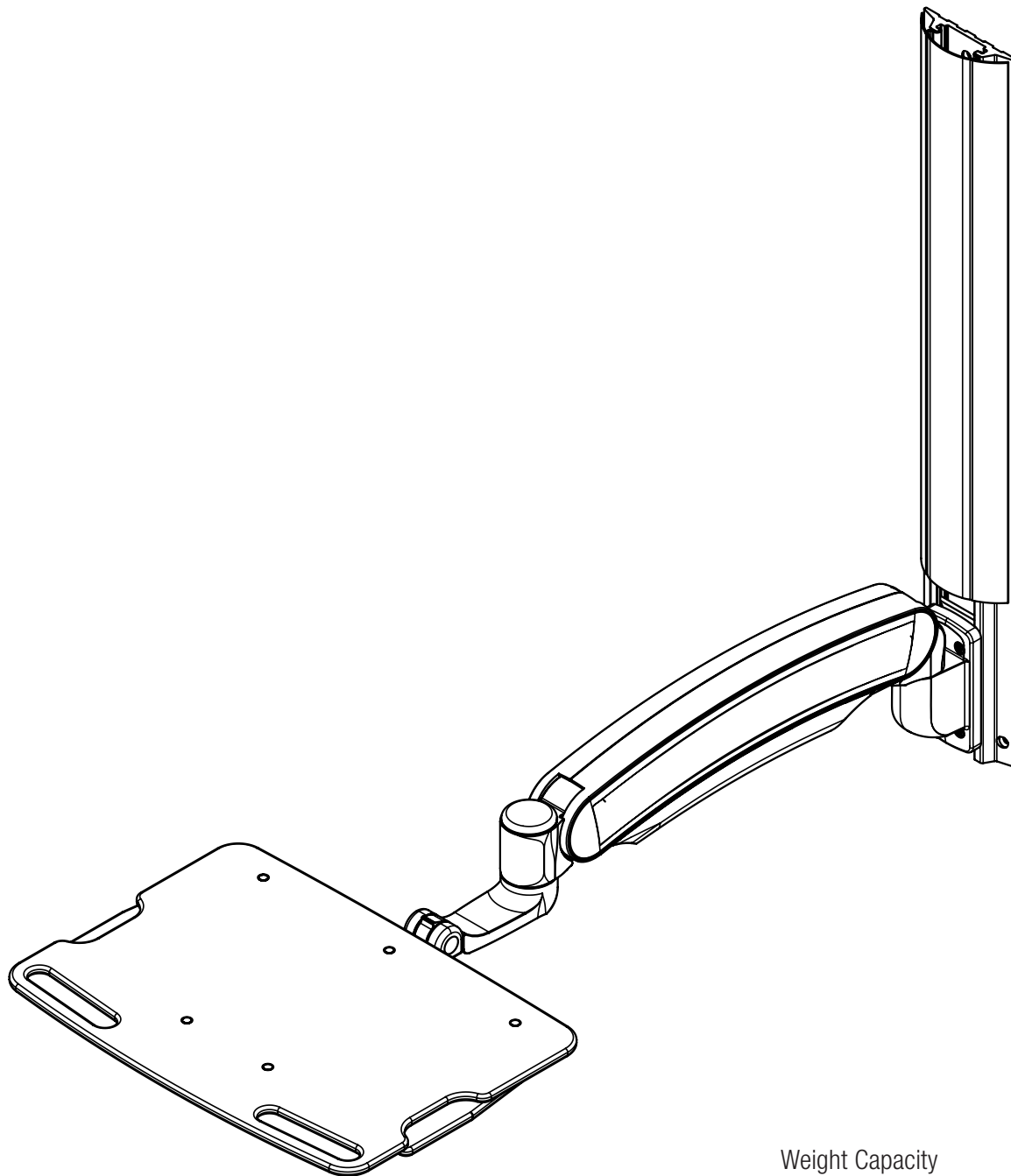# Midmark Care Exchange
6281 Laptop Wall Mounted Workstation

Weight Capacity
0-8 lbs.

TABLE OF CONTENTS

TOOLS REQUIRED

Optional:
Mitre Saw
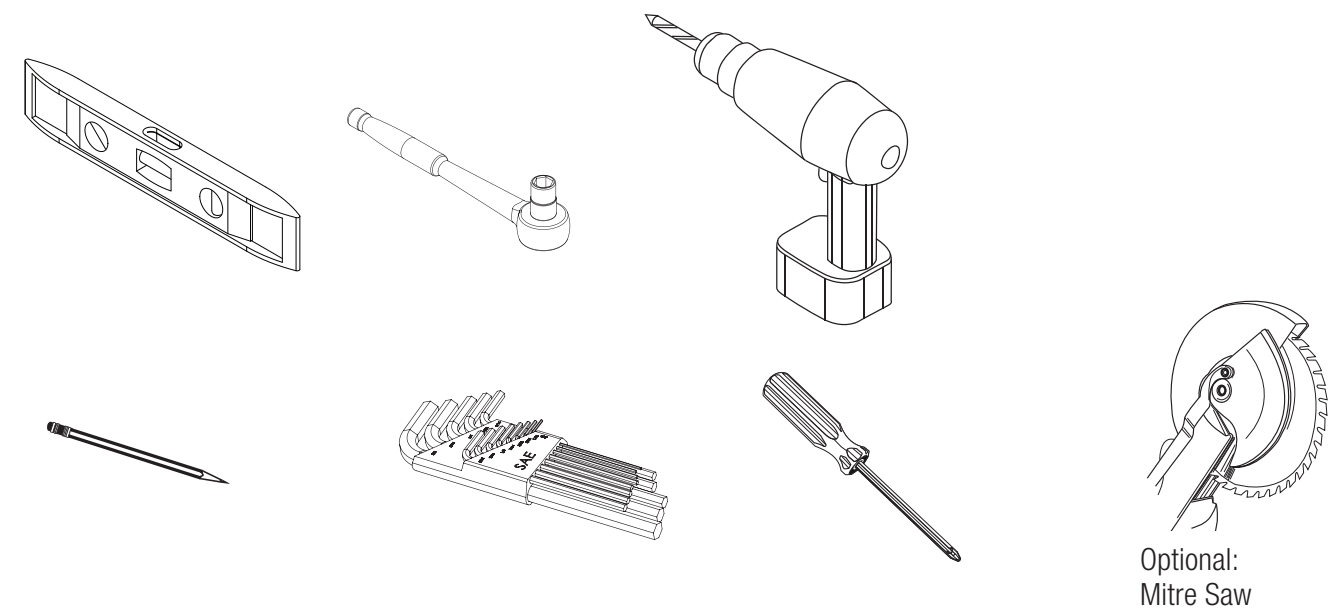
Allen Wrenches: 1/4", 7/32", 3/16" and 1/8"
Socket Wrench: 7/16"
Drill Bit: 1/8" and 1/2"

INSTALLATION WARNINGS:
- Read the entire instruction manual before beginning any installation or assembly.
- The installer must verify that the entire wall safely supports the combined weight of all the attached equipment and hardware.
- Improper installation of this product may cause extensive property damage or serious personal injury, either during or after installation.
- Warning: Applied loads in excess of 80 lbs. on the work surface may result in product failure, causing the work surface to fall and possibly resulting in personal injury.

DISCLAIMER:
- The manufacturer and/or distributor will bear no responsibility for any damages of any kind arising from any improper installation of this product.
- Because wall construction varies widely and the ultimate method of mounting/installing is out of the manufacturers or distributors control, it is imperative that the installer consult with local engineering, architectural, or construction personnel to ensure the wall is constructed properly to code and will handle the applied load.
- Through improper installation or excessive applied load, the workstation can be pulled out of the wall by force, taking with it a large section of drywall. In no way will the manufacturer or distributor be held liable for any damage to the monitor, property or personal injury should an outside force either intentionally or unintentional be applied to the monitor or monitor mounting bracket causing it to pull off the wall.

SAFETY WARNING:
- California installations may require specific anchorage and additional supports. Check with local authorities for codes in your area. Other seismic states will have similar regulations.
- Prior to drilling, verify the location of any electrical wiring with in the wall. An electrical short can kill or create serious injury and fire hazard both during and after installation.
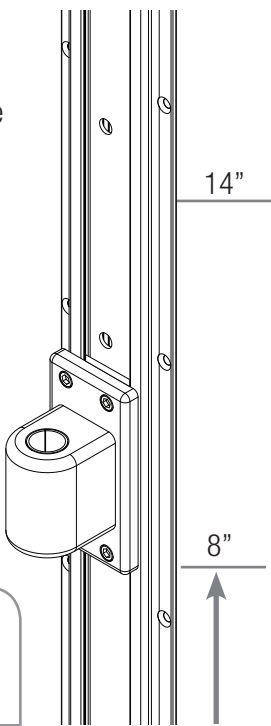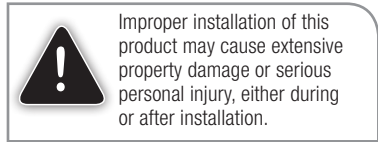- OSHPD certificate available upon request.

ADJUSTMENT NOTIFICATION:
- Routine maintenance checks and adjustments are suggested to properly support the quality and optimal performance of this product. Refer to adjustment suggestions on last page of booklet, or contact your distributor for further detailed information.
- Over tightening of bolts during installation or adjustments may damage the product and affect the function and warranty.

MOUNTING HEIGHT

POSITIONING WALL EAR

If installing directly to drywall (hollow wall applications) please note the bottom of the wall ear must be positioned between 8"-14" from the bottom of the track.

14"

8"

⚠ Improper installation of this product may cause extensive property damage or serious personal injury, either during or after installation.
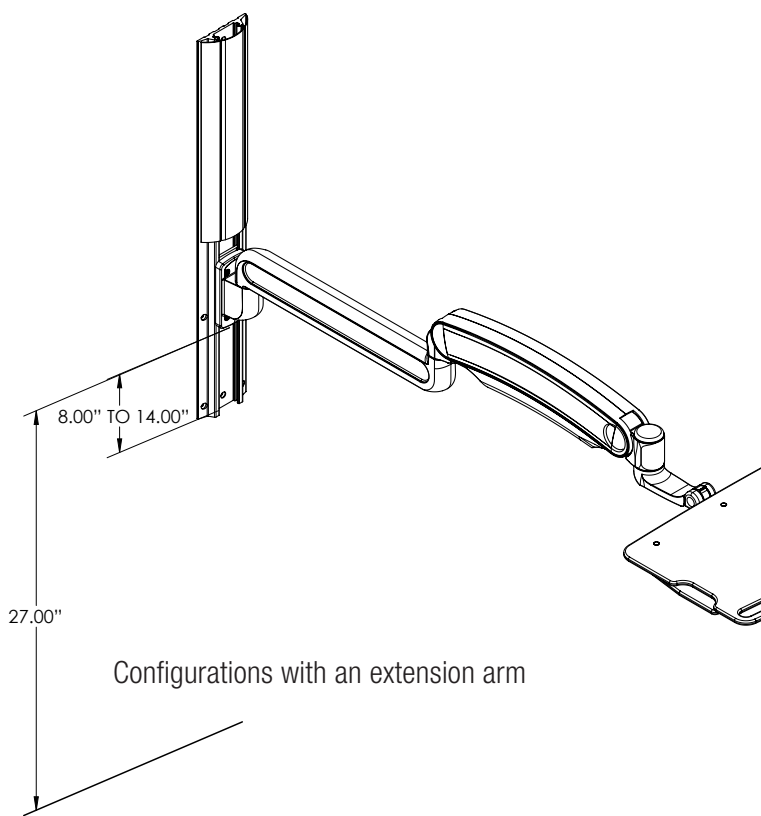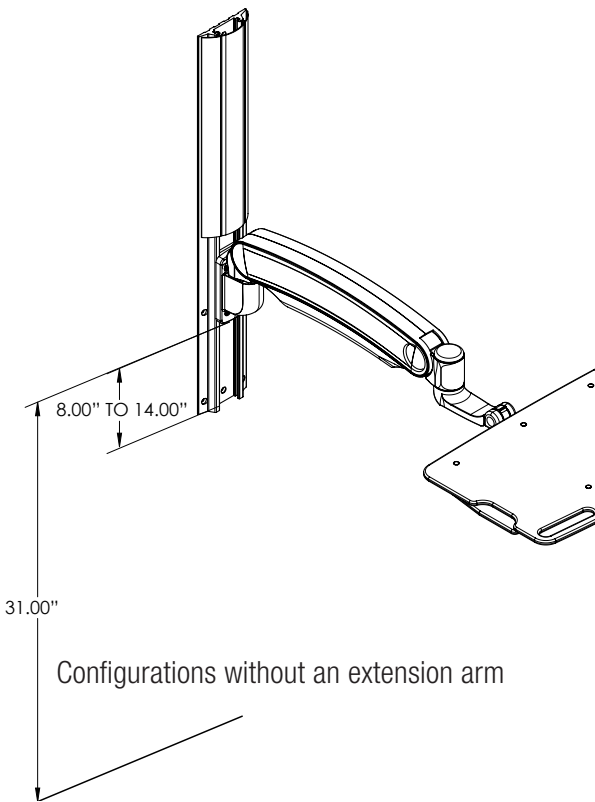
- Loosen, but do not remove 4 corner bolts
- Place in desired position
- Level the wall ear
- Tighten bolts to 200 in-lbs force to ensure the unit is securely fastened

1/4" Allen wrench
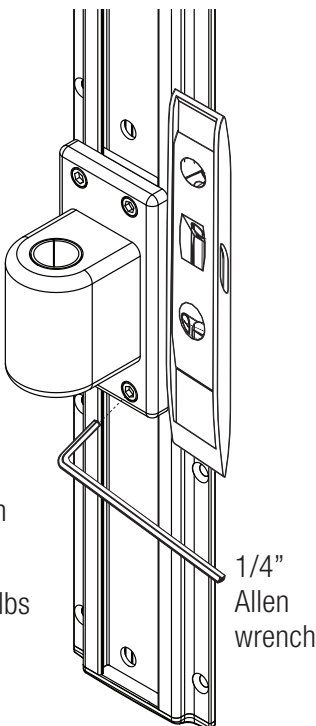
We recommend having the wall ear installed at the following heights which comfortably accommodates the majority of users in seated or standing positions. 23" desired low height.

31" FROM FLOOR TO BOTTOM OF WALL EAR

8.00" TO 14.00"

31.00"

Configurations without an extension arm

27" FROM FLOOR TO BOTTOM OF WALL EAR

8.00" TO 14.00"
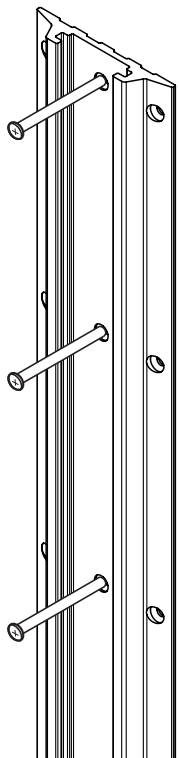
27.00"

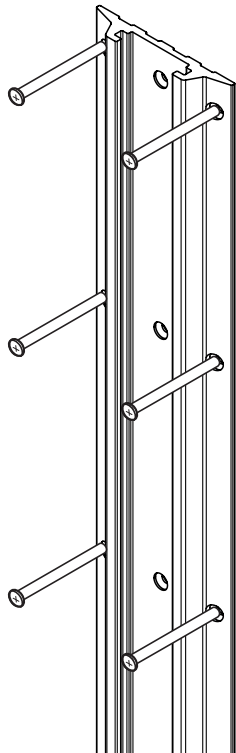Configurations with an extension arm

HOW TO INSTALL TOGGLERS

Use a level and ensure track is flush, flat and snug to the wall. Mark hole locations prior to drilling and install toggler bolts in appropriate locations.
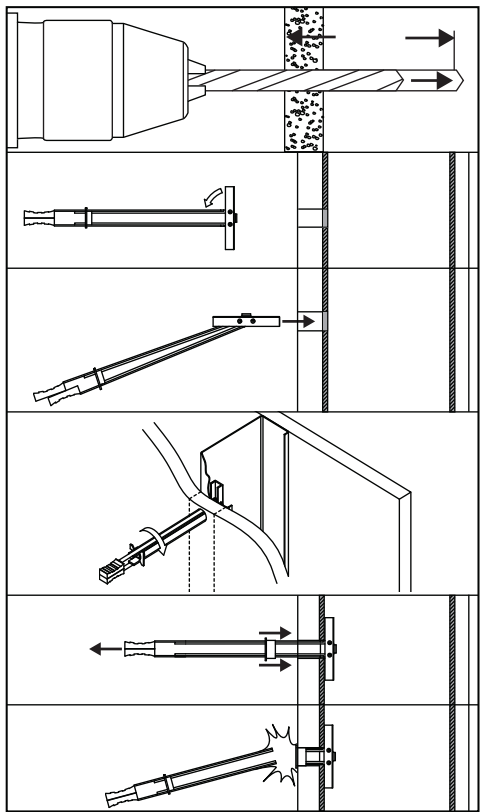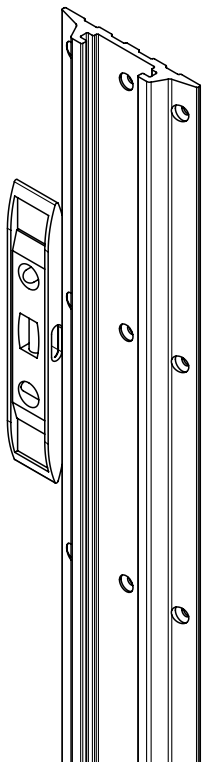
Use bolts provided to secure track to the wall. Refer to the reference guide on pages 6 and 7.
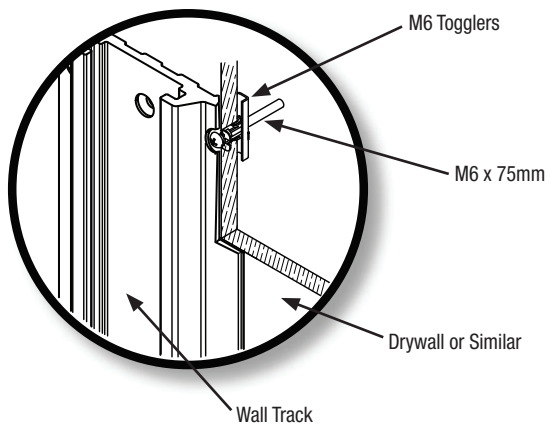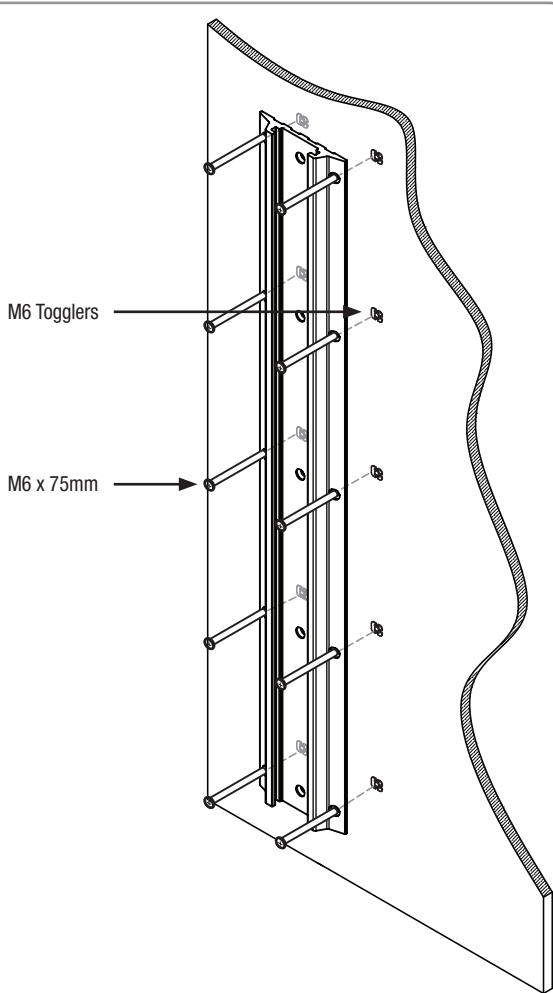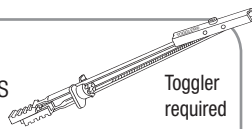
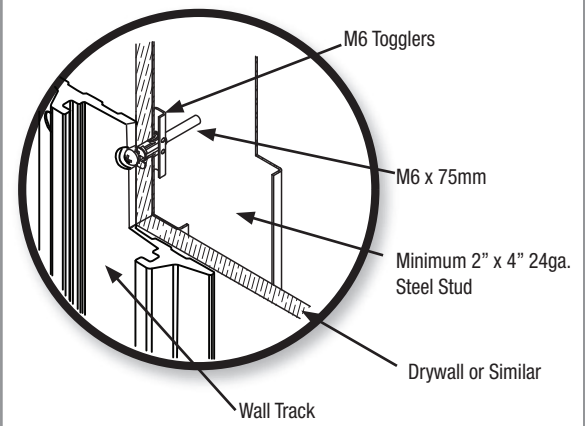OR

MOUNTING SURFACE

DIRECT TO DRYWALL

34" TRACK - 10 outer holes

Toggler required

M6 Togglers

M6 x 75mm

M6 Togglers

M6 x 75mm

Drywall or Similar

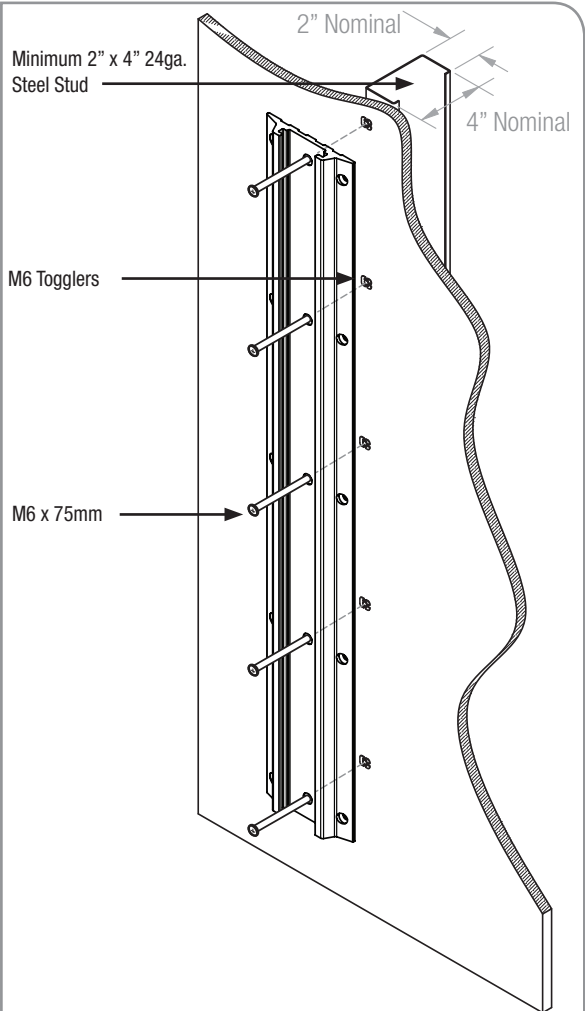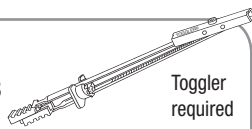Wall Track

CRITICAL: The wall ear must be positioned between 8"-14" from the bottom of the track.

STEEL STUD

34" TRACK - 5 inner holes

Toggler required

2" Nominal

4" Nominal

Minimum 2" x 4" 24ga. Steel Stud

M6 Togglers

M6 x 75mm

M6 Togglers

M6 x 75mm

Minimum 2" x 4" 24ga. Steel Stud

Drywall or Similar

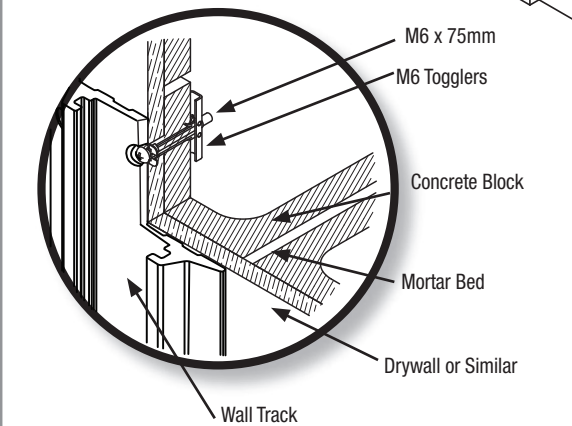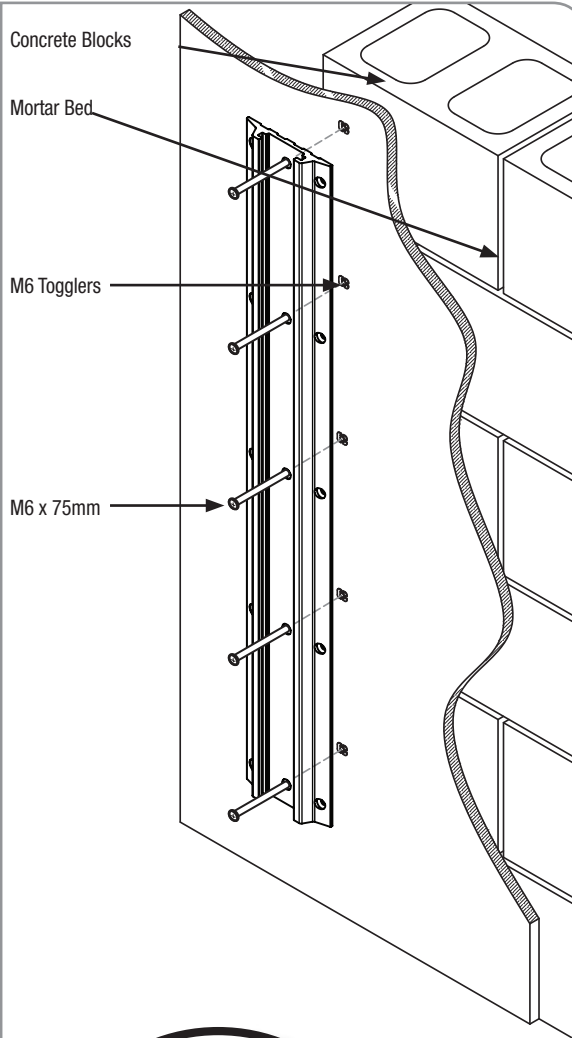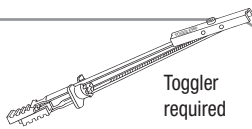Wall Track

NOTE: Bolts are to be placed in the horizontal center of the 2"x 4" Steel Stud.

CONCRETE WALL (block)

34" TRACK - 5 inner holes

Toggler required

Concrete Blocks

Mortar Bed

M6 Togglers

M6 x 75mm

M6 x 75mm

M6 Togglers

Concrete Block

Mortar Bed

Drywall or Similar

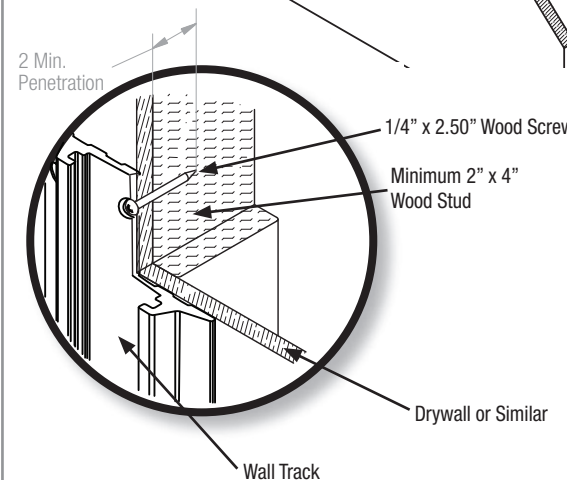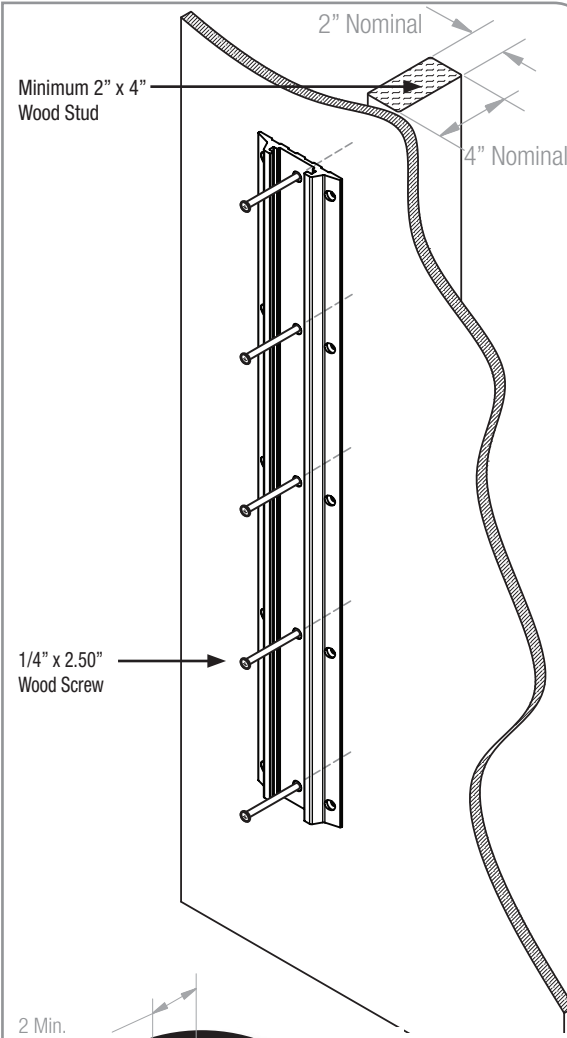Wall Track

NOTE: Bolts must pass through concrete block. Bolts must not pass through mortar bed between blocks nor through the web within the blocks. When attaching to concrete blocks, only one bolt per cell allowed.
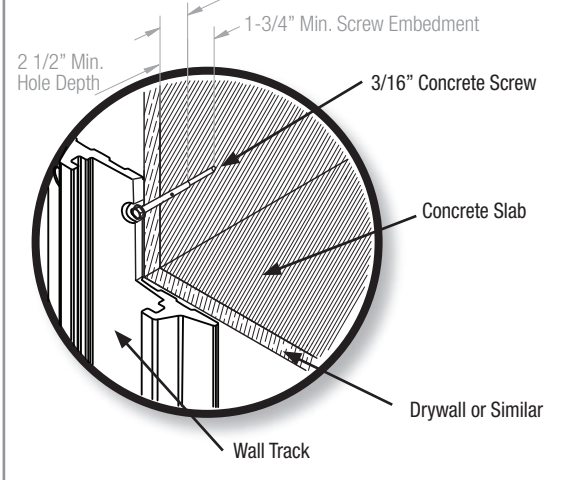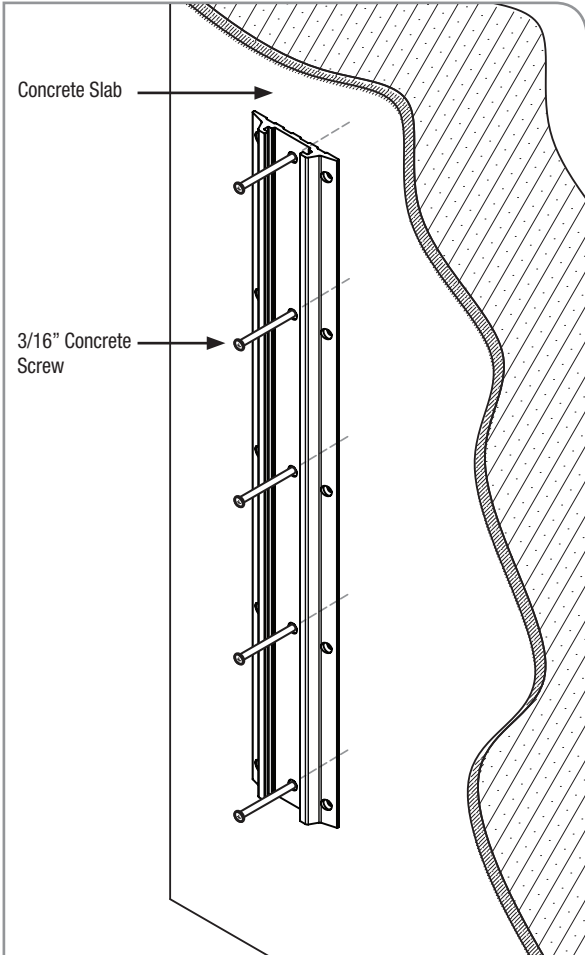
WOOD STUD

34" TRACK - 5 inner holes

Toggler NOT required

2" Nominal

4" Nominal

Minimum 2" x 4" Wood Stud

1/4" x 2.50" Wood Screw

2" Min. Penetration

1/4" x 2.50" Wood Screw

Minimum 2" x 4" Wood Stud

Drywall or Similar

Wall Track

NOTE: Screws are to be placed in the horizontal center and must penetrate at least 2" into the wood stud.

CONCRETE WALL (solid)

34" TRACK - 5 inner holes
Concrete hardware not provided

Toggler NOT required

Concrete Slab

3/16" Concrete Screw

1-3/4" Min. Screw Embedment

2 1/2" Min. Hole Depth

3/16" Concrete Screw

Concrete Slab

Drywall or Similar

Wall Track

3/16" x 2-1/4" lg. Min. Tapcon® Concrete screws (not provided) to pass through the wall track as per screw manufacturers intructions.

NOTE: Pre drilled holes to be created using Tapcon® drill bit for 3/16"x2-1/4"lg. concrete screws to a Min. hole depth of 2-1/2" into concrete slab.
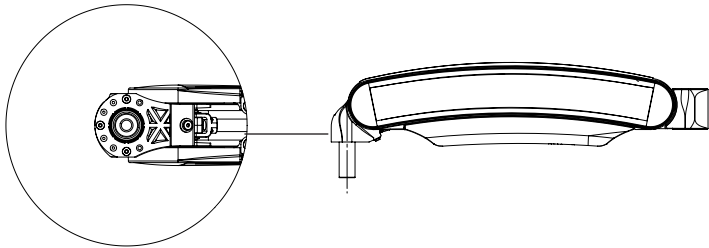
PIVOT LIMITER

This item is to be positioned (if required) before installing the extension arm or main arm to the wall ear.
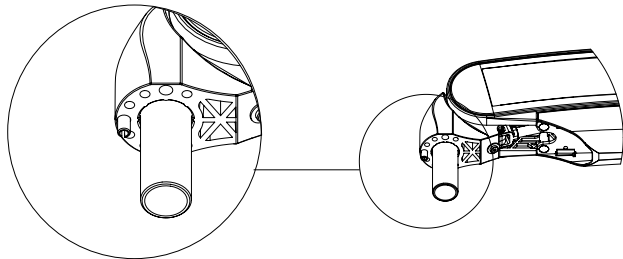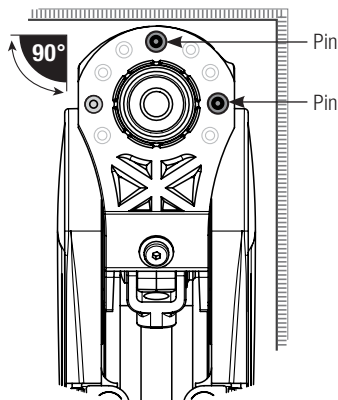
LIMITER HOLES ON THE EXTENSION ARM
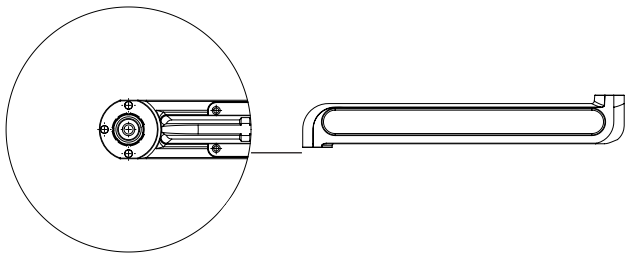
LIMITER HOLES ON THE MAIN ARM
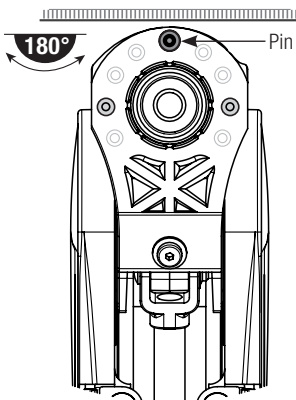

PIVOT LIMITER VIEW FROM UNDERSIDE

Limits 90° right rotation
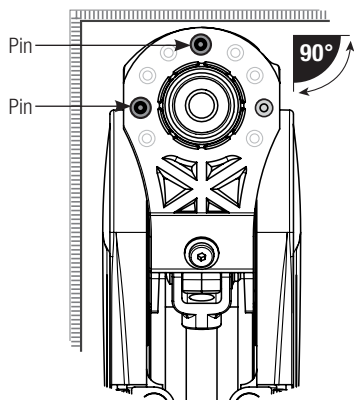

90°

Pin

Pin

Position pins as shown to limit rotation to the right

Allows 180° rotation

180°

Pin
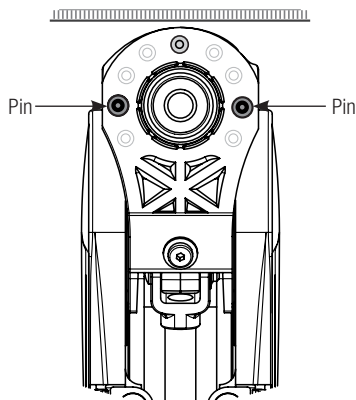
Position pin at 12:00 to prevent the arm from coming in direct contact with the wall on either side

Limits 90° left rotation

Pin

Pin

90°

Position pins as shown to limit rotation to the left

Limits total rotation

Pin

Pin

Position pins at 3:00 & 9:00 for a full rotation lock out

OPTIONAL ITEMS

OPTIONAL EXTENSION ARM

Installation direct to Wall Ear. This is an optional item and not included in all configurations.

For further information please contact your distributor.

TENSION ADJUST

TENSION ADJUST

7/32"
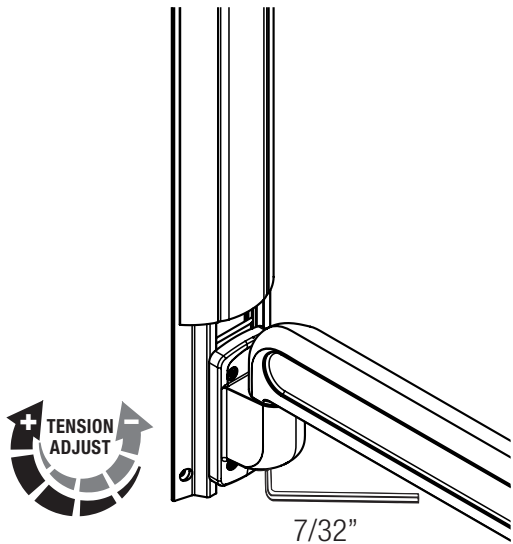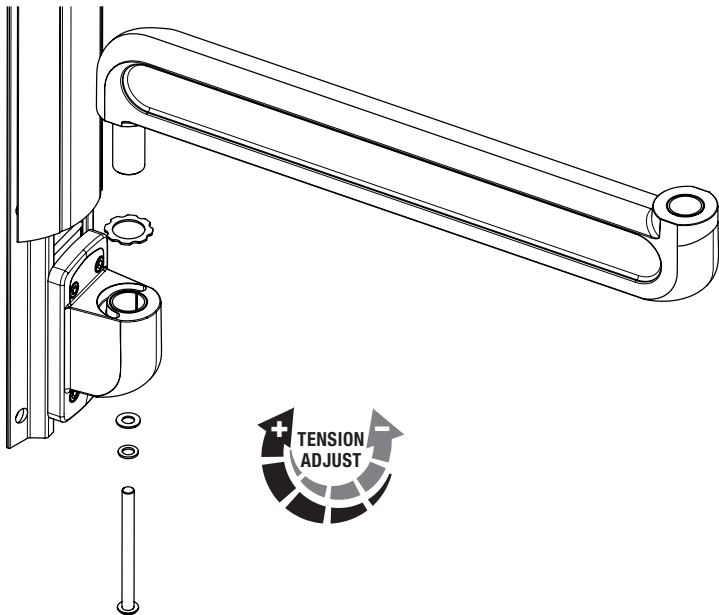
MAIN ARM INSTALLATION

MAIN ARM INSTALLATION DIRECT TO WALL EAR

TENSION ADJUST

7/32"

INSTALLATION OF MAIN ARM TO THE EXTENSION ARM

Main arm to be installed once extension arm has been secured.

LAPTOP STATION INSTALLATION

Use the 7 bolts provided to assemble laptop station to the arm.

STEP 1
Attach bottom pan
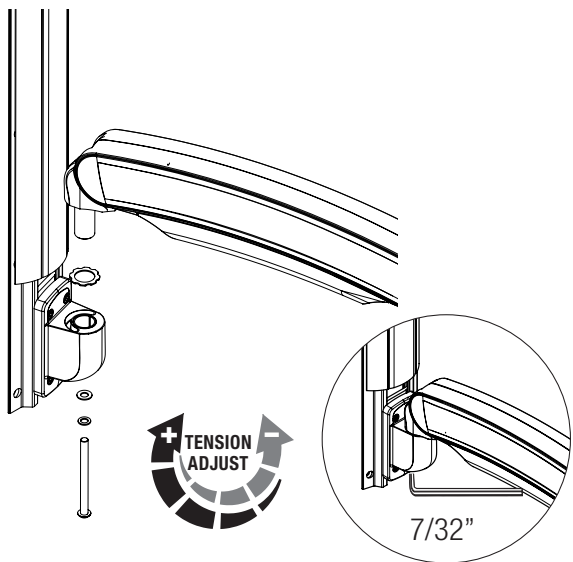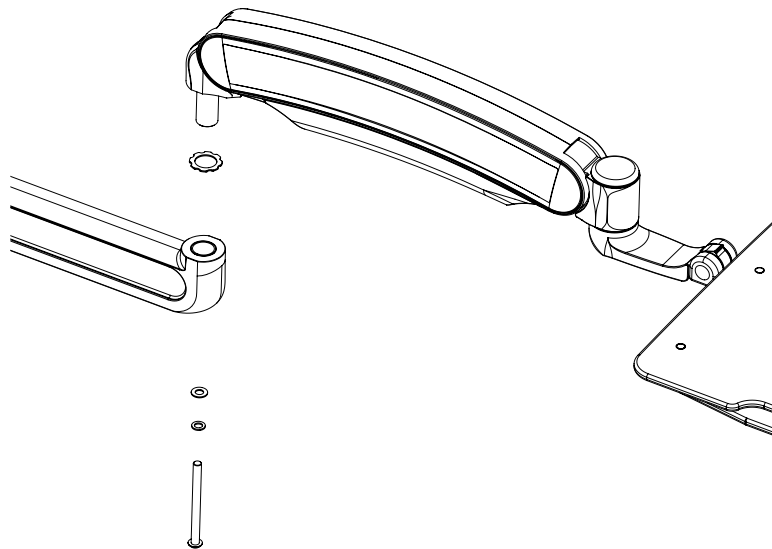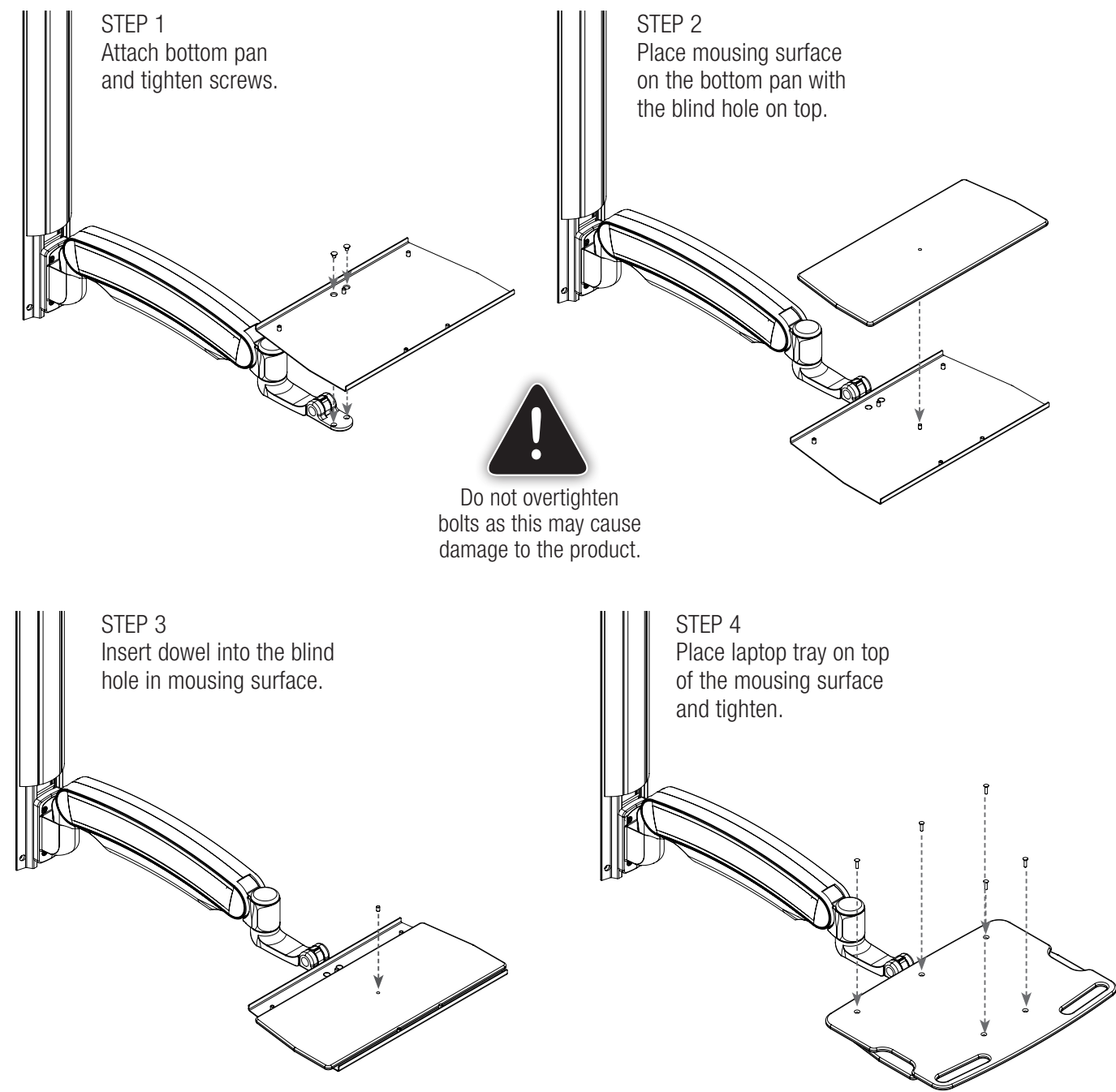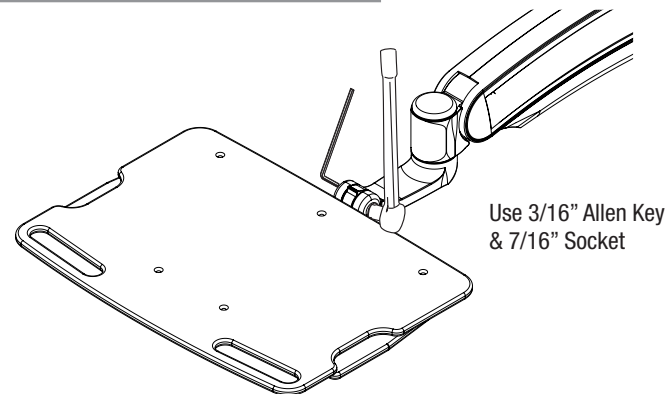and tighten screws.

STEP 2
Place mousing surface
on the bottom pan with
the blind hole on top.

Do not overtighten
bolts as this may cause
damage to the product.

STEP 3
Insert dowel into the blind
hole in mousing surface.

STEP 4
Place laptop tray on top
of the mousing surface
and tighten.

TENSION ADJUSTMENT - Workstation Flip
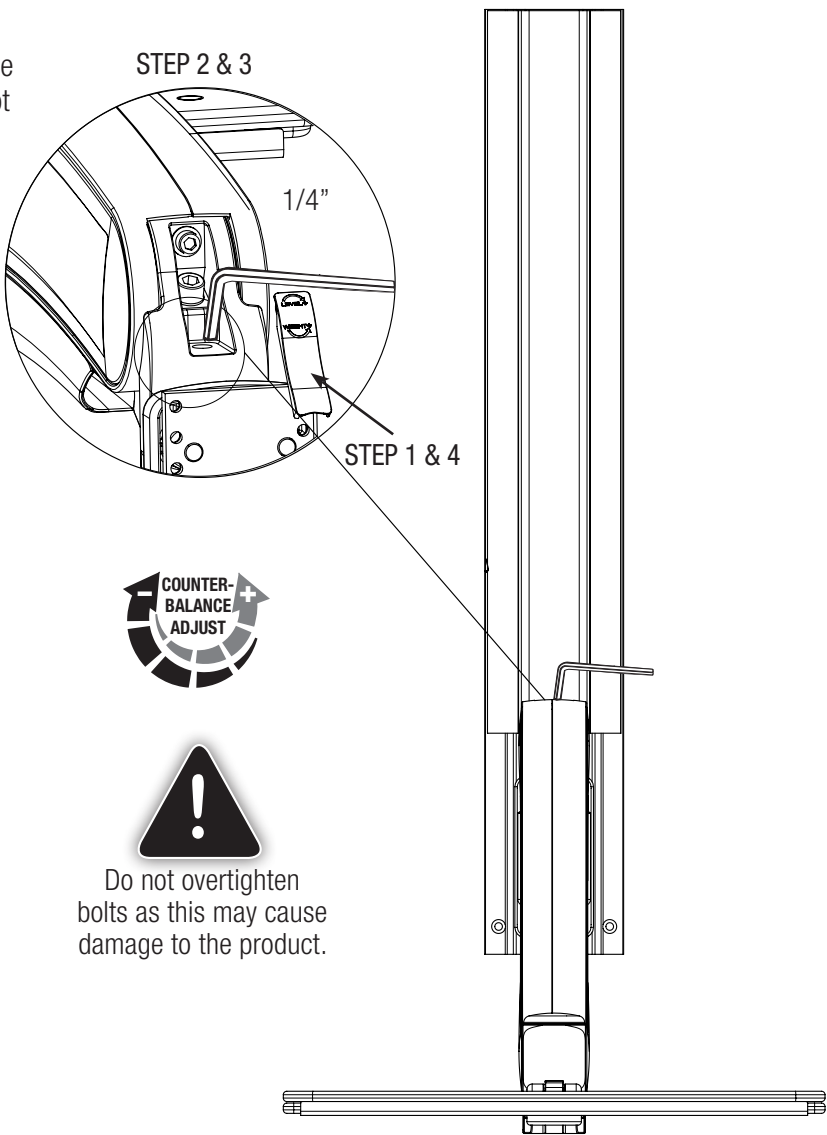
Use 3/16" Allen Key
& 7/16" Socket

COUNTERBALANCE THE ARM

Once all after-sale technology is installed,
perform the following adjustments to ensure the
arm raises and lowers as required and does not
freely drift up or down.

STEP 2 & 3

1/4"

STEP 1 & 4

ATTENTION:
Arm must be held in the downward
position while to making adjustments.

STEP 1
Remove the trim cap at the back of the arm.

STEP 2
Use the 1/4" Allen Key to turn the middle bolt at
the back of the arm. Turning the bolt clockwise
decreases the spring force reducing the counter
balance load. Turning the bolt counterclockwise
increases the spring force increasing the counter
balance load.

STEP 3
Adjust the middle bolt until the arm counter
balance is acceptable.

STEP 4
Replace the trim cap at the back of the arm.

COUNTER-
BALANCE
ADJUST

Do not overtighten
bolts as this may cause
damage to the product.

TRAY LEVELING ADJUSTMENTS (Left to Right)

Tray adjustment is to be made after all technology has been installed.

STEP 1
Remove the trim cap at the back
of the arm.

STEP 2
Use the 3/16" Allen Key to turn the
top bolt at the back of the arm.
Turn the bolt until the tray is level.

STEP 3
Confirm that surface is level with
spirit level.

STEP 4
Replace the trim cap at the back
of the arm.

ATTENTION:
Arm must be parallel to the work surface and
swiveled 90° to the base when adjusting.

STEP 2

3/16"

LEVEL
ADJUST

STEP 3
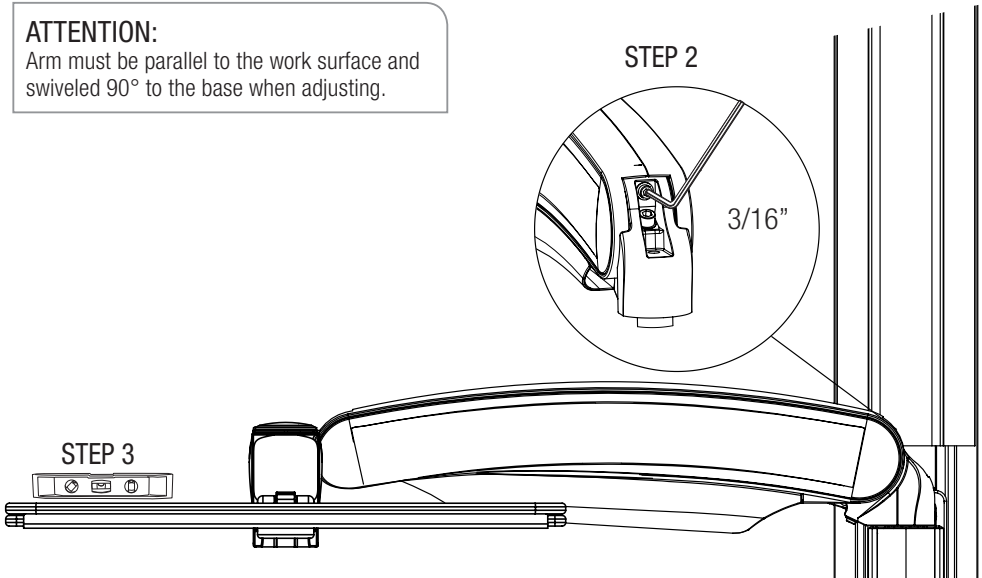
CABLE MANAGEMENT

After the technology has been installed, ensure there is enough slack in the cables from the keyboard and mouse along with any other peripherals.

STEP 1
Use a #2 Phillips screwdriver to remove the screws securing the cable management tray & plate.

STEP 2
Remove the steel insert from the cable management tray. Note orientation of steel insert in cable management tray.

STEP 3
Lay all cables (e.g. power, VGA and mouse cables) into the cable management tray.
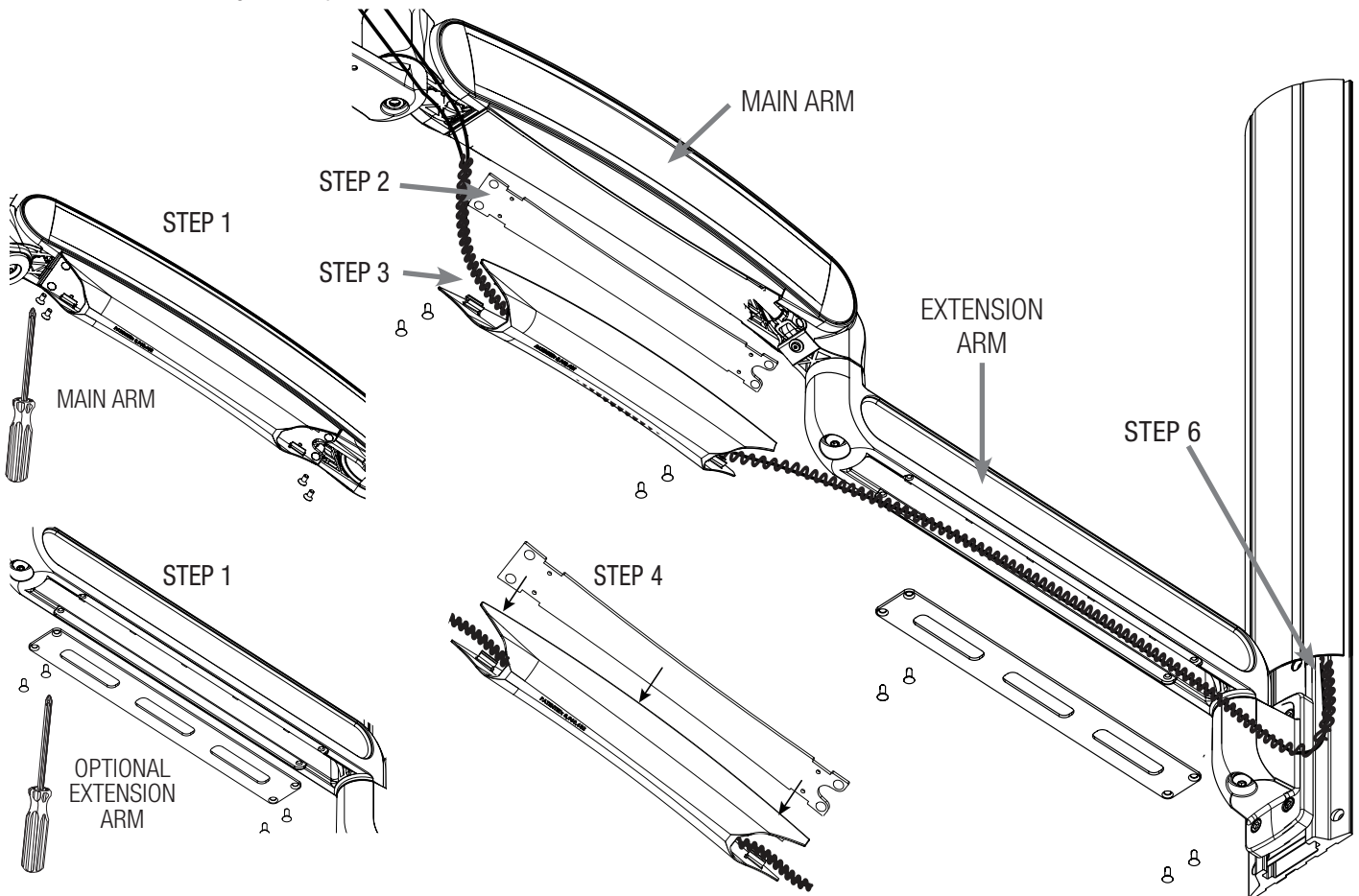
STEP 4
Re-assemble steel insert from STEP 3 with counter sinks to the bottom of the cable management tray and notch at the back.

STEP 5
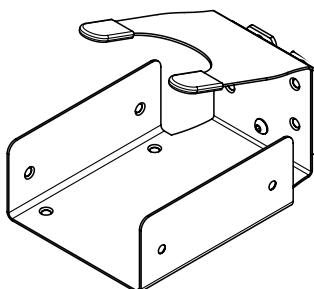Re-attach the cable management tray & plate with the screws removed in STEP 1.

STEP 6
Route cables through the cable cover.

STEP 2

STEP 3

MAIN ARM

EXTENSION ARM

STEP 6

STEP 1

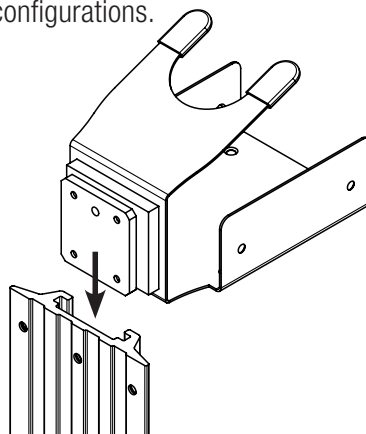MAIN ARM

STEP 1

OPTIONAL EXTENSION ARM

STEP 4

ACCESSORY TRACK MOUNT INSTALLATION

This item is optional and not included in all configurations.

TRACK-MOUNT BAR CODE HOLDER

Slide the Scanner carriage onto the track.

Tighten fully and test the Track-Mount Bar Code Holder to see if it remains in place prior to installing any technology.