

Installation Guide

Variable Height Channel (VHC)

Variable Height Channels are available in the following weight-handling ranges. Weight range indicates the optimal operating range for the devices mounted in the channel.

VHC Part Number	Weight Range
FWM-0001-12	13 – 18 lbs. [5.9 – 8.2 kg]
FWM-0001-13	18 – 23 lbs. [8.2 – 10.4 kg]
FWM-0001-14	23 – 28 lbs. [10.4 – 12.7 kg]
FWM-0001-15	28 – 32 lbs. [12.7 – 14.5 kg]
FWM-0001-16	32 – 36 lbs. [14.5 – 16.3 kg]
FWM-0001-17	36 – 40 lbs. [16.3 – 18.2 kg]

Installation Notes – Read Before Installing the Variable Height Channel:

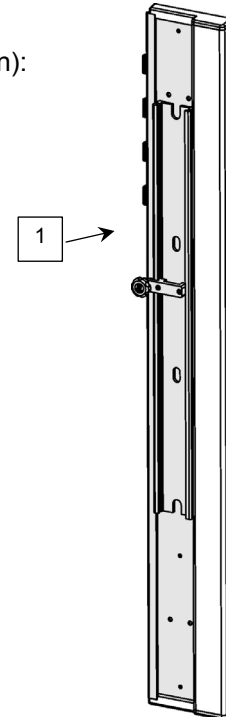
- A. It shall be the responsibility of the hospital, its consultants and/or contractors to determine that the wall is adequate for safely mounting instrumentation. This includes the selection of appropriate fasteners and the proper installation of the same.
- B. Instructions and illustrations covering the specific instrument-mounting application must be reviewed prior to installation of the wall mount.
- C. Access to instrument controls should be considered before mounting the Surface Mount. Allow clearance for objects such as over-bed lighting, privacy curtains, adjacent walls or columns, door swing arcs, etc. Power and signal outlets should also be considered when selecting a mounting location. Avoid oxygen, vacuum and air outlets and space for attendant flow meters and regulators. Do not place any portion of the mounted instrument over a patient bed.

DISCLAIMER: Although considerable effort has been made to ensure the safety of this installation and/or guidelines, the installation itself is beyond the control of GCX Corporation. Accordingly, GCX Corporation will not be responsible for the failure of any such installation.

Parts Reference

The following parts and hardware are included in this installation kit (hardware not shown):

Item #	Description	Qty
1	Channel Assembly, Variable Height	1
2	#10 x 2" Pan Head Sheet Metal Screw (PHSMS)	6
3	#12 x 2-3/4" American Screw	6
4	Nylon Cable Tie	4
5	Cord Wrap, Natural Poly (3' and 2' lengths)	5 ft.
6	1/8" Hex Wrench (for repositioning Lock Knob)	1



Tools Required for Installation of Channel

Drill, 9/64" drill bit, level, and Phillips screwdriver.

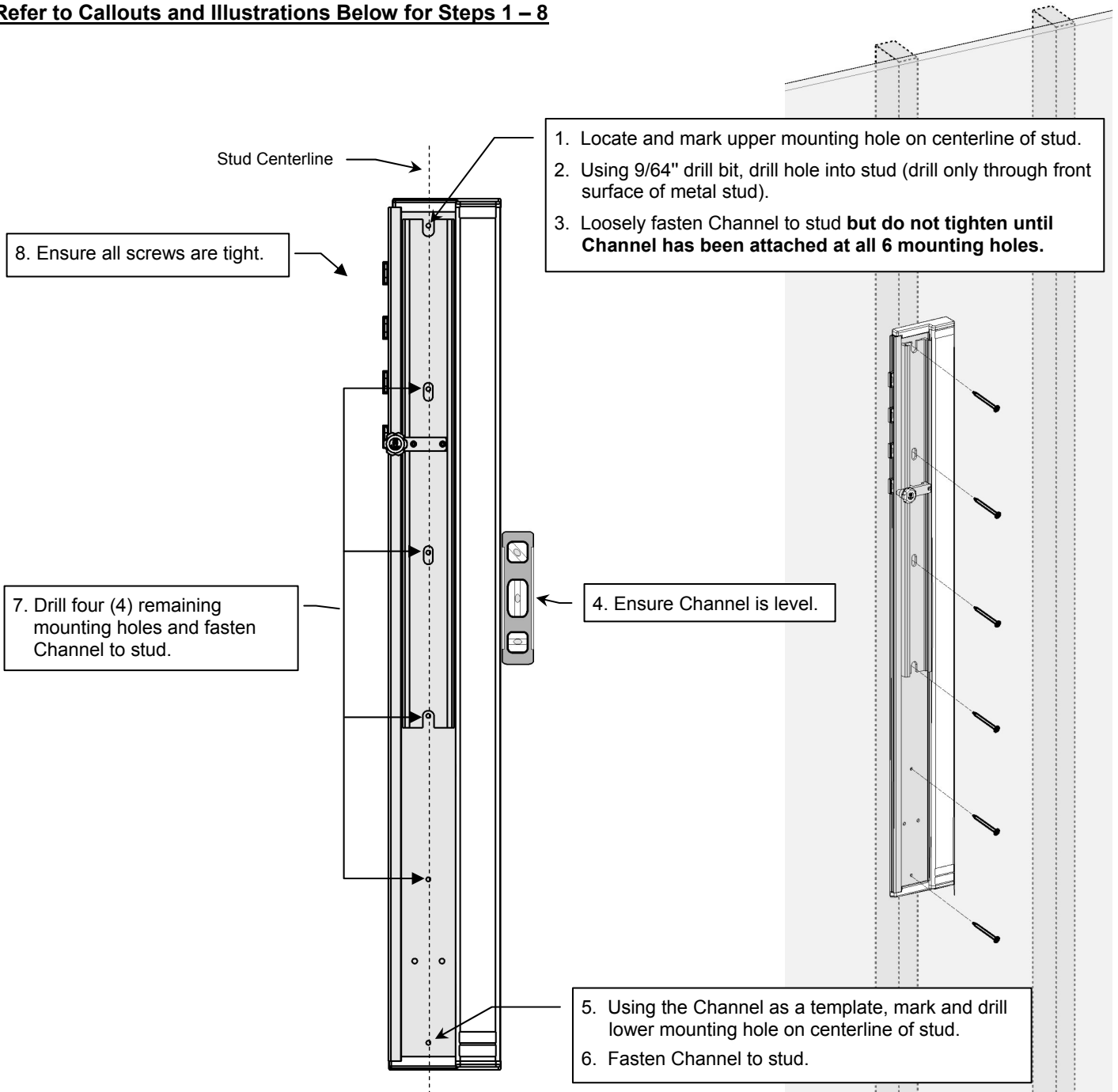
Mounting the Variable Height Channel (VHC)

CAUTION: The VHC must be fastened to a wall stud. The Channel has been tested using six (6) #10 sheet metal screws (provided) mounted in 16 ga. metal studs. Refer to table below for information regarding steel stud and other applications.
Installation Note: The VHC may also be mounted using Surface Mount Kit (p/n FWM-0001-05) which is not included in this installation kit.

Stud Type	Screw Type	Drill Bit Size for Mounting Hole
Steel	#10 x 2" Pan Head Sheet Metal Screw (provided)	9/64"
Wood	#12 x 2-3/4" American Screw (provided)	9/64"
*Wood	#10 x 4" Lag Screw (not provided)	Diameter of Screw Shank
*Masonry	1/4" Dia. Hilti KB-III Expansion Anchors (not provided)	Refer to Hilti Instructions

*Required for seismic anchorage. See California OSHPD, OPA-1665.

Refer to Callouts and Illustrations Below for Steps 1 – 8



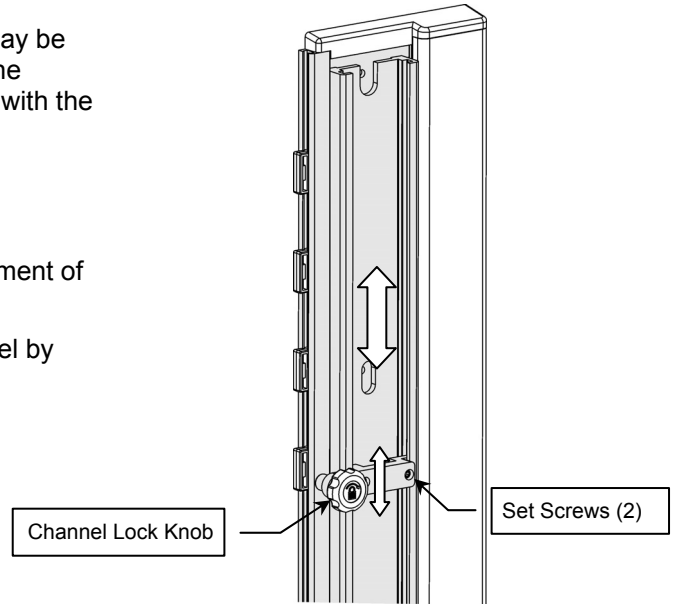
Mounting Devices in the Channel

A secondary mounting system or device with a channel slide may be inserted in the top or bottom of the Variable Height Channel. The weight of the mounting system + mounted device must comply with the load rating of the Variable Height Channel (see page 1).

Channel Lock Knob

The Channel Lock Knob may be used to prevent vertical movement of the Channel or mounted devices in the track.

The Channel Lock Knob may be repositioned within the Channel by loosening the two socket set screws (right), moving the Knob assembly, and tightening the set screws. A 1/8" hex wrench is provided for this adjustment.

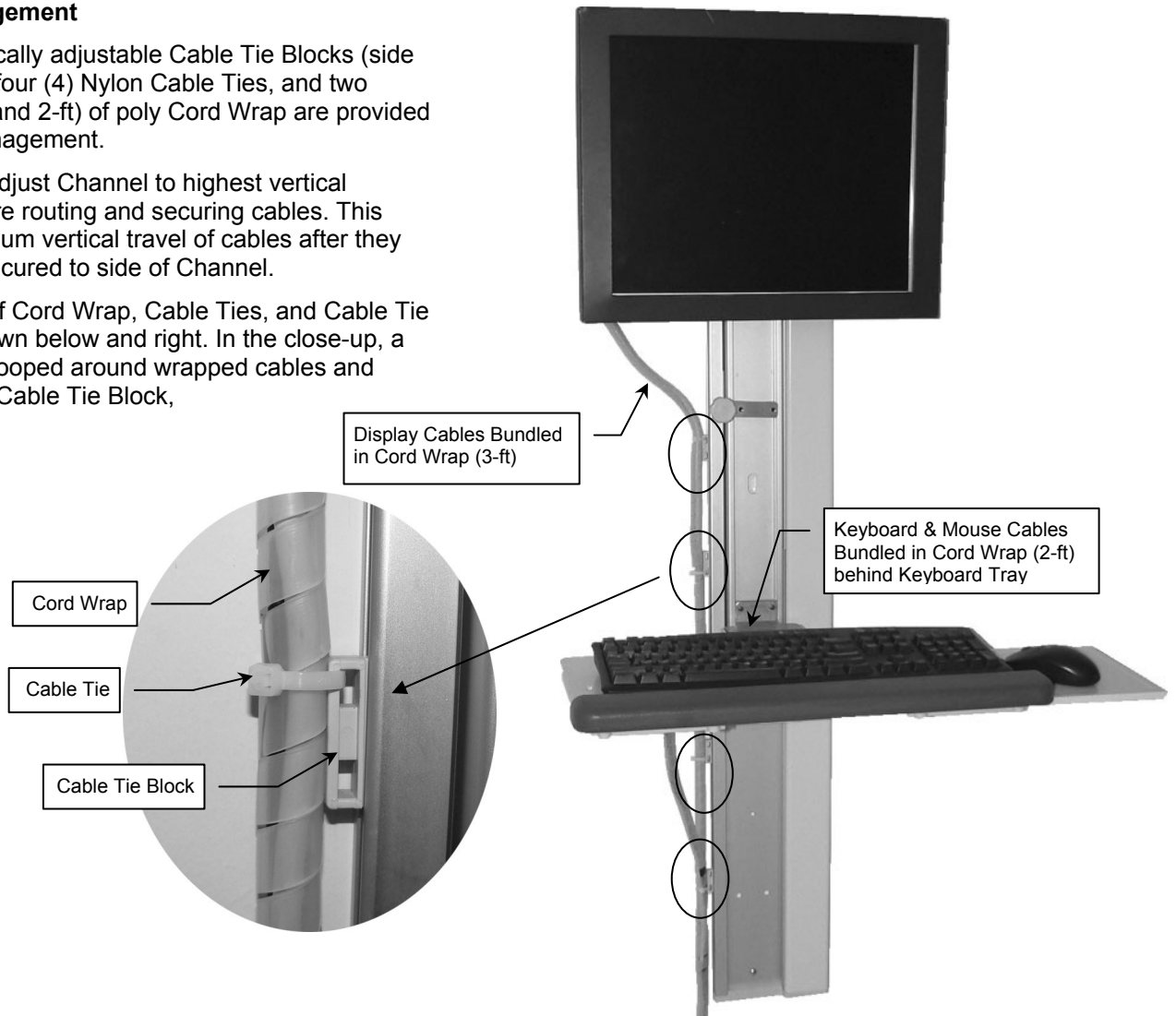


Cable Management

Four (4) vertically adjustable Cable Tie Blocks (side of Channel), four (4) Nylon Cable Ties, and two lengths (3-ft and 2-ft) of poly Cord Wrap are provided for cable management.

Important: Adjust Channel to highest vertical position before routing and securing cables. This allows maximum vertical travel of cables after they have been secured to side of Channel.

Typical use of Cord Wrap, Cable Ties, and Cable Tie Blocks is shown below and right. In the close-up, a Cable Tie is looped around wrapped cables and secured to a Cable Tie Block,



Installation Guide

Flush Tilting 75/100 mm VESA-compatible Display Mount

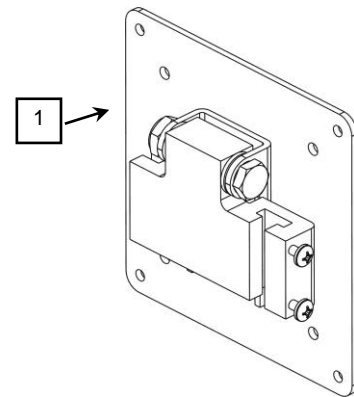
The purpose of this guide is to:

1. Describe attachment of Mount to display.
2. Describe mounting in Channel.
3. Describe adjusting of Flush Mount.

Parts Reference

The parts list below includes parts and hardware that will be used in this installation procedure.

Item #	Description	Qty
1	Flush Mount Assembly	1
2	M4 x 6 mm Pan Head Machine Screw (PHMS)	4
3	M4 x 8 mm PHMS	4
4	M4 x 10 mm PHMS	4
5	M4 x 12 mm PHMS	4
6	M4 x 16 mm PHMS	4
7	M4 x 20 mm PHMS	4
8	Spacer, 1/4" Long	4
9	Spacer, 3/8" Long	4
10	Spacer, 1/2" Long	4
11	Adjustable Stop	1



Tools Required

Phillips screwdriver (not provided).

Selecting Mounting Hardware for the Display



WARNING: This mounting kit provides an assortment of hardware for a wide variety of display-mounting applications. It is the responsibility of the installer of this product to ensure that all screws used to mount the display have a minimum thread engagement of four (4) 360° turns into threaded inserts in rear of display. It is also the responsibility of the installer to ensure that screws are not inserted too far into the display, causing damage to internal components. Failure to adhere to this warning could result in damage to equipment or injury to patients or personnel.

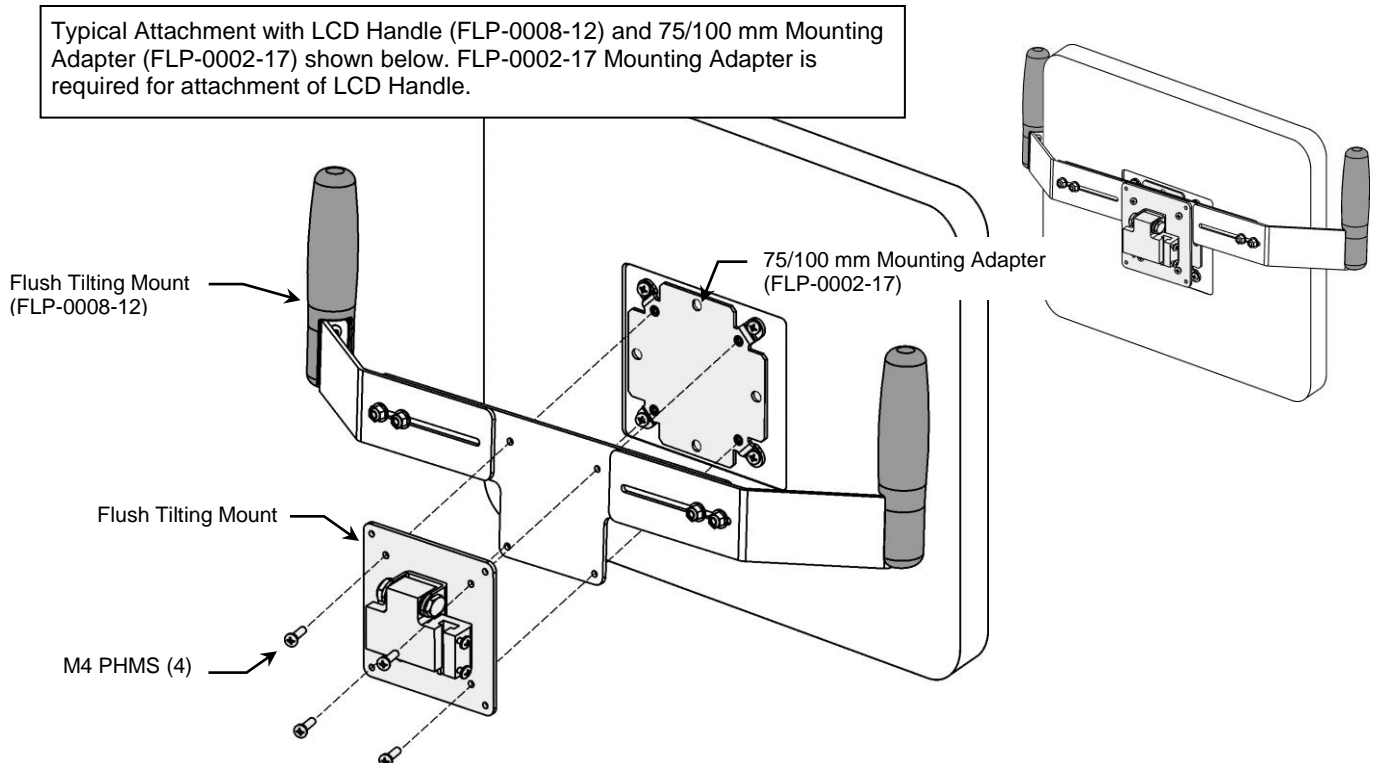
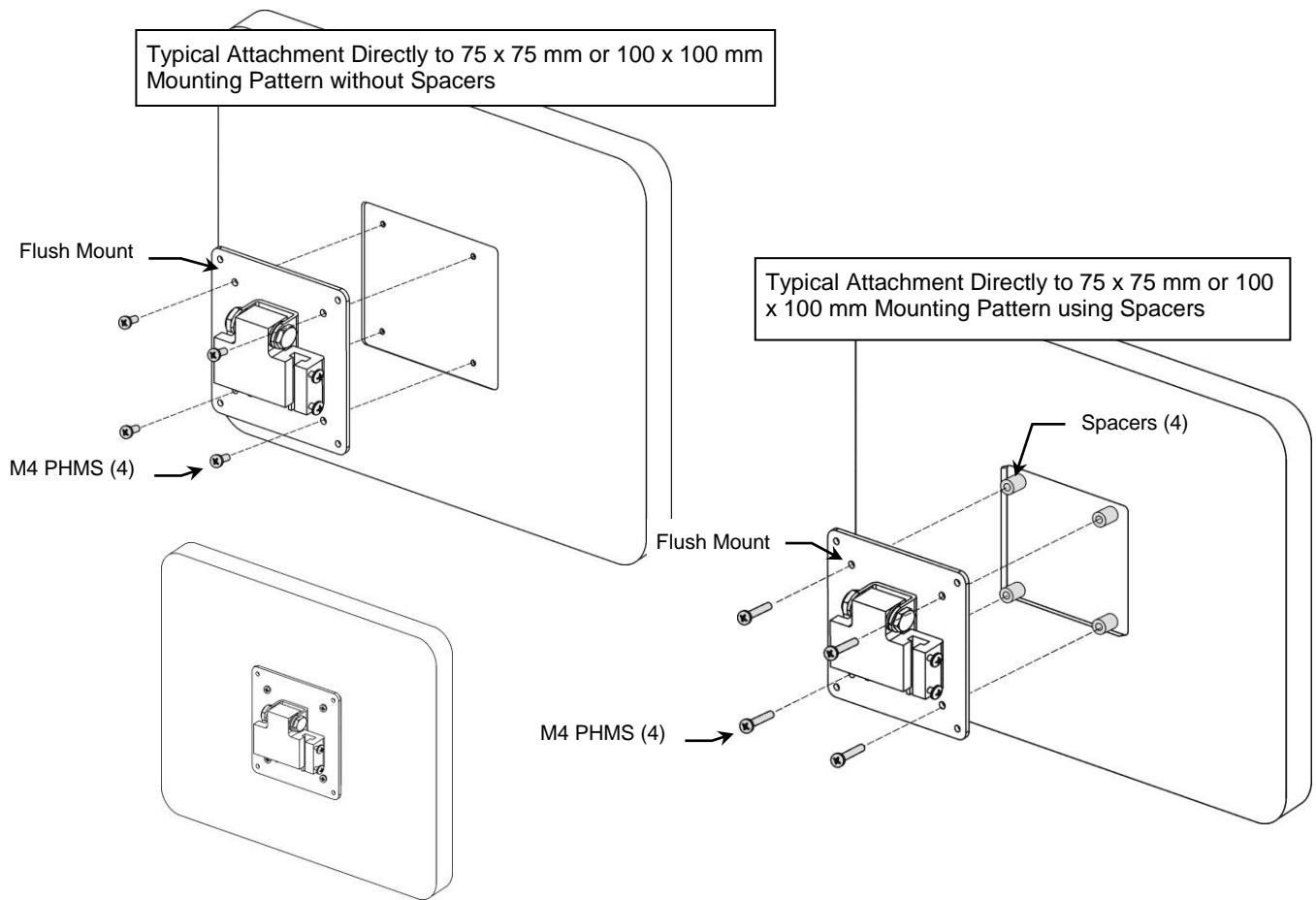
This Display Mount will accommodate flat panel displays up to 30 lbs. [13.6 kg].

Installation Note

The Flush Mount will typically be fastened directly to the rear of the display, but spacers may be required between Flush Mount and display if VESA mounting pattern is within a deeply recessed part of the display housing. A variety of spacers is provided for this purpose.

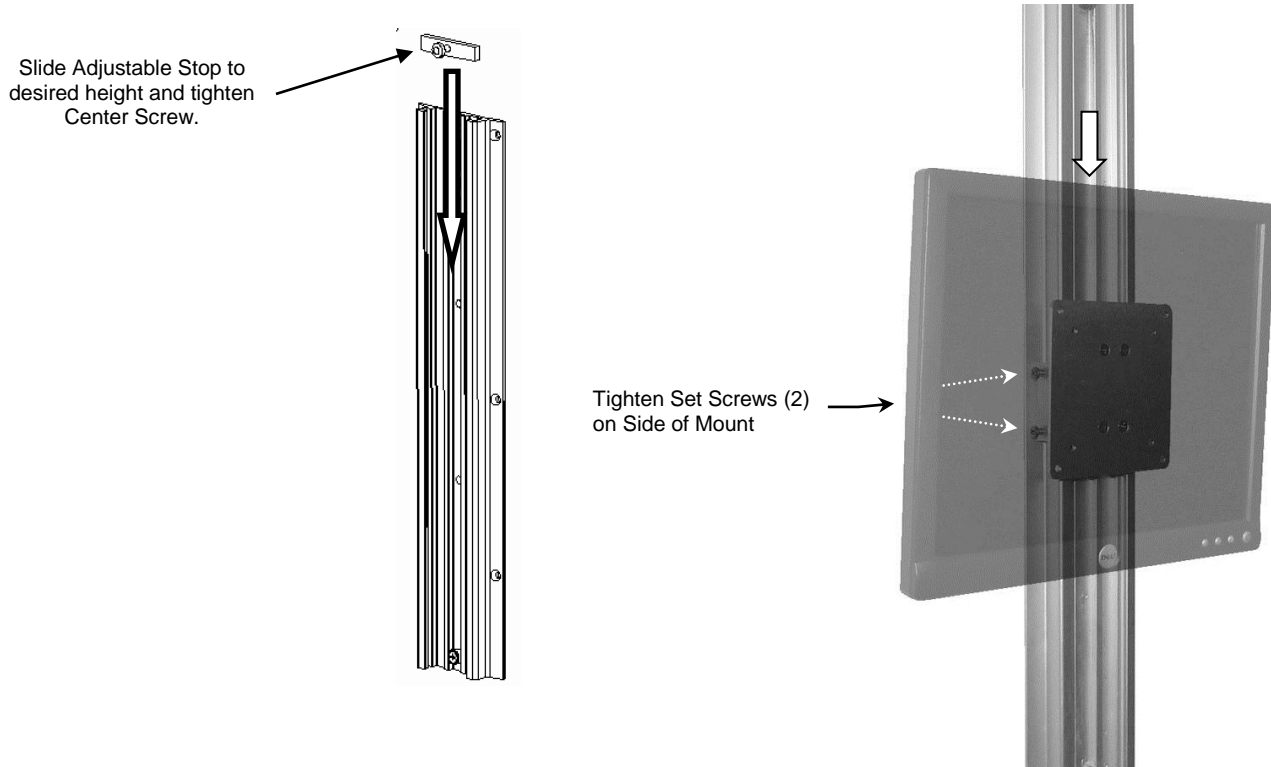
Attaching Flush Mount to Display

Fasten Flush Mount to display as shown in examples below.



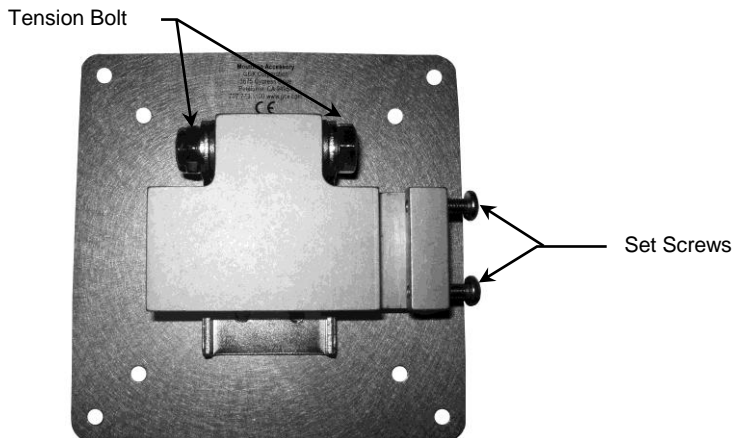
Mounting Display in Channel

1. Install Adjustable Stop in top of Channel, slide to desired height of display and tighten center screw (display mount will rest against stop until secured).
2. Slide Flush Mount into opening at top of channel and position above Adjustable Stop.
3. While holding display in position, insert screwdriver from side of Flush Mount and tighten two (2) set screws on side of Mount to secure.



Adjusting Flush Tilting Mount

1. To adjust tilt tension, loosen both set screws and remove mounted display from channel.
2. Using a $\frac{1}{2}$ " wrench on both ends of the tilt tension bolt, tighten or loosen tension bolt until desired tension is achieved.
3. Once desired tension is achieved, place mounted display back into channel and tighten both set screws.



Routine Maintenance

Periodically check all mounting hardware. Tighten as necessary for optimal operation and safety.

Cleaning the Mounting Assembly

1. The mounting assembly may be cleaned with most mild, non-abrasive solutions commonly used in the hospital environment (e.g. diluted bleach, ammonia, or alcohol solutions).
2. The surface finish will be permanently damaged by strong chemicals and solvents such as acetone and trichloroethylene.
3. Do not use steel wool or other abrasive material to clean the mounting assembly.
4. Damage caused by the use of unapproved substances or processes will not be covered by warranty. We recommend testing any cleaning solution on a small area of the mounting assembly that is not visible to verify compatibility.
5. Never submerge or allow liquids to enter the mounting assemblies. Wipe any cleaning agents off the mounting assembly immediately using a water-dampened cloth. Dry all mounting assemblies thoroughly after cleaning.

CAUTION: GCX makes no claims regarding the efficacy of the listed chemicals or processes as a means for controlling infection. Consult your hospital's infection control officer or epidemiologist. To clean or sterilize mounted instruments or accessory equipment, refer to the specific instructions delivered with those products.

Installation Guide

Folding Keyboard Bracket – Flush Wall Mount

The purpose of this guide is to:

1. Describe mounting of Folding Keyboard Bracket in wall channel.
2. Describe attachment of typical keyboard tray to the Folding Keyboard Bracket.
3. Describe adjustment of folding tension.


Parts Reference

The following parts and hardware are included in this installation kit (hardware not shown):

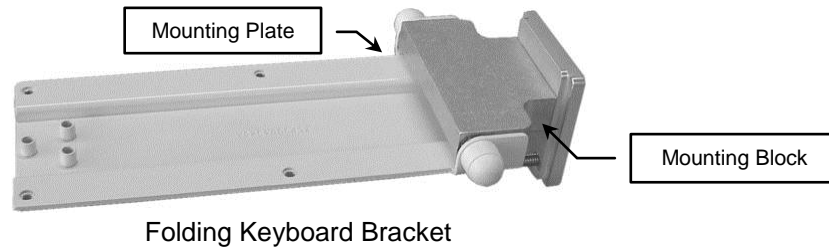
Item #	Description	Qty
1	Folding Keyboard Bracket	1
2	1/8" Hex Wrench	1



Tools Required: 1/8" Hex wrench (provided), Phillips screwdriver.

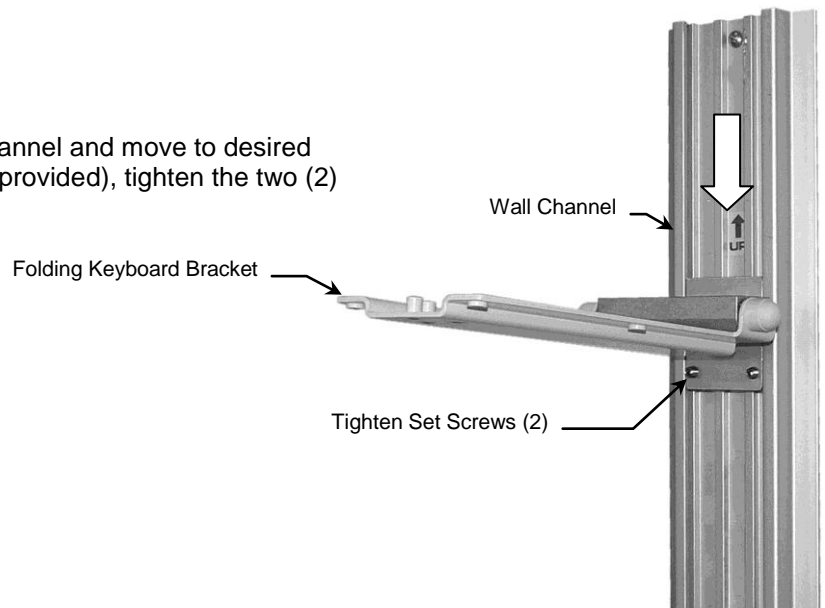


CAUTION: Do not place fingers in-between Folding Keyboard Bracket Mounting Block and Mounting Plate surfaces. There is risk of pinching or crushing fingers, especially while installing keyboard tray and adjusting folding tension.



Mounting the Folding Keyboard Bracket

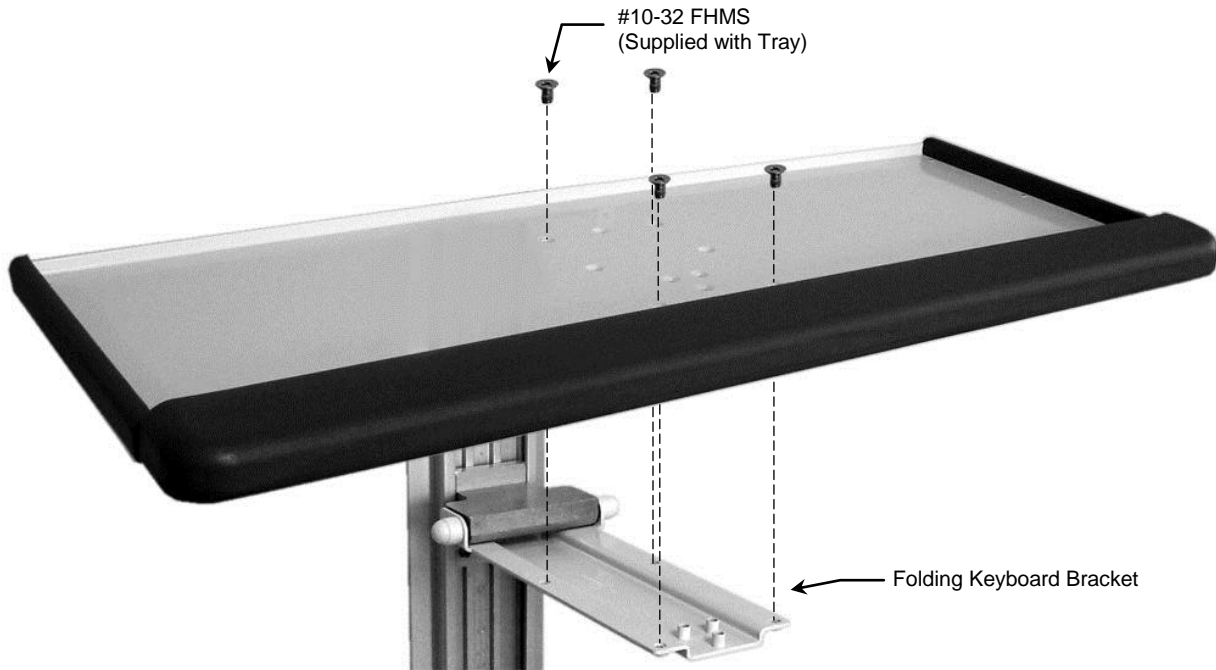
1. Slide the Folding Keyboard Bracket into the Channel and move to desired mounting position. Using the 1/8" Hex wrench (provided), tighten the two (2) socket set screws at bottom of Slide.



Attachment of Typical Keyboard Tray or Plate to Folding Keyboard Bracket

Installation Note: Hardware for attaching Keyboard Tray or Plate to Keyboard Bracket is supplied with the Tray or Plate.

1. Align mounting pattern on Keyboard Tray or Plate with corresponding threaded holes in Folding Bracket. Fasten Tray/Plate to Bracket with #10-32 flat head machine screws (FHMS). **Installation Note:** If Keyboard Tray is equipped with mouse trays, it may be necessary to slide both left and right mouse trays outward a few inches before attaching Tray to Bracket.



Wall-Mounted Folding Keyboard Bracket
(Keyboard Tray Mounted)



Adjusting Folding Tension

If the Folding Keyboard Bracket becomes difficult to fold or will not maintain the folded (upward) position, adjust folding tension as described below:

1. Pry plastic bolt covers off each end of the hinge bolt.
2. Using a 1/2" wrench on each end of the bolt, tighten or loosen bolt until desired tension is achieved.
3. Replace bolt covers.

