GCX Instrument Mounting Systems

GCX Mounting Assembly Installation Guide

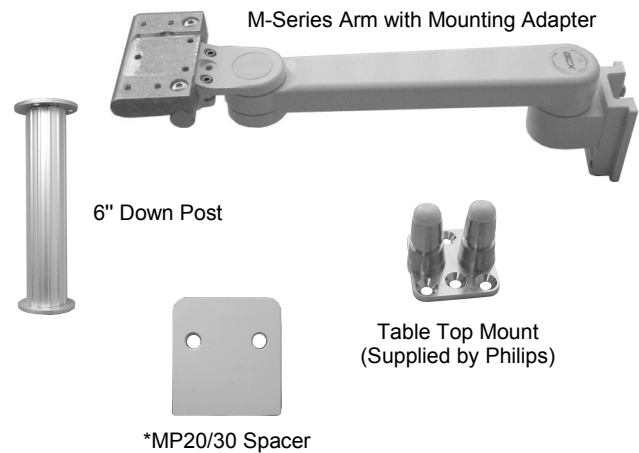Philips MP20/30/40/50/60/70 IntelliVue M-Series Arm Wall Mount Kit

The purpose of this guide is to:

1. *Describe attachment of Table Top Mount to Mounting Adapter.*
2. *Describe attachment of Down Post to M-Series Arm.*
3. *Describe mounting of M-Series Arm in Wall Channel.*
4. *Describe mounting of Flexible Module Server (FMS) on Down Post.*
5. *Describe special mounting procedure for MP20/30 monitor.*
6. *Describe operation and adjustment of M-Series Arm.*

Parts Reference

The following parts and hardware are included for this installation procedure (see photos for parts; hardware not shown).

Item #	Description	Qty
1	M-Series Arm with Mounting Adapter	1
2	6" Down Post Kit	1
3	#10-32 x 3/8" Socket Head Cap Screw	3
4	M6 x 8mm Flat Head Machine Screw (FHMS)	2
5	M6 x 12mm FHMS	1
6	Adjustable Stop	1
7	5/32" Hex Key	1
8	1/8" Hex Key	1
9	Wall Channel Cover, 16"	1
*10	Spacer, MP20/30	1
*11	M6 x 16mm Pan Head Machine Screw (PHMS)	2

M-Series Arm with Mounting Adapter

6" Down Post

Table Top Mount
(Supplied by Philips)

*MP20/30 Spacer

*See "MP20/30 non-Table Top Mount" at bottom of page 3 for use of these parts.

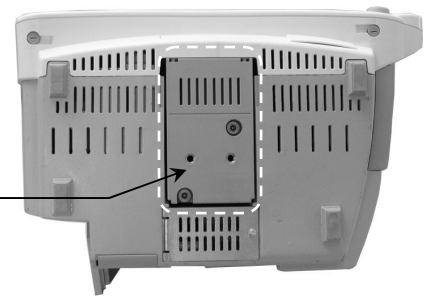**Tools Required:** Phillips screwdriver, 5/32" and 1/8" hex keys (provided).

⚠ **Caution - Before mounting the Arm:**

1. Verify that the Channel has been installed and approved in accordance with the Channel Installation guides.

2. Ensure that the weight of the device being mounted does not exceed the load rating of your M-Series Arm. Check the "Max Load" rating label located on top of the arm at the Slide pivot point. It is not recommended that this arm be used for weights outside of this range.

3. If assistance is needed regarding an application, please contact a GCX product specialist at (800) 228-2555.
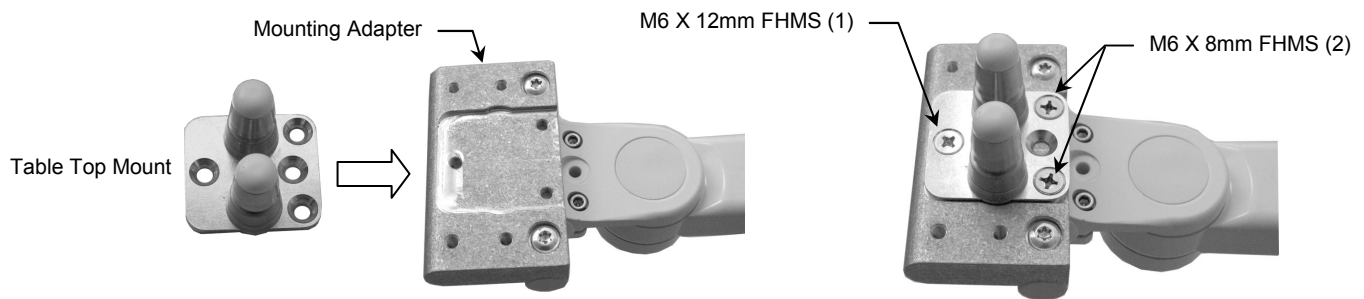
Attaching the Philips Table Top Mount to the Mounting Adapter

Installation Note: *Do not attach the Table Top Mount to the Arm/Mounting Adapter if you will be mounting an MP20/30 monitor that has the mounting interface shown in photo (right). See "Mounting the Monitor on the Arm" (page 3) for instructions specific to this type of mounting plate.*

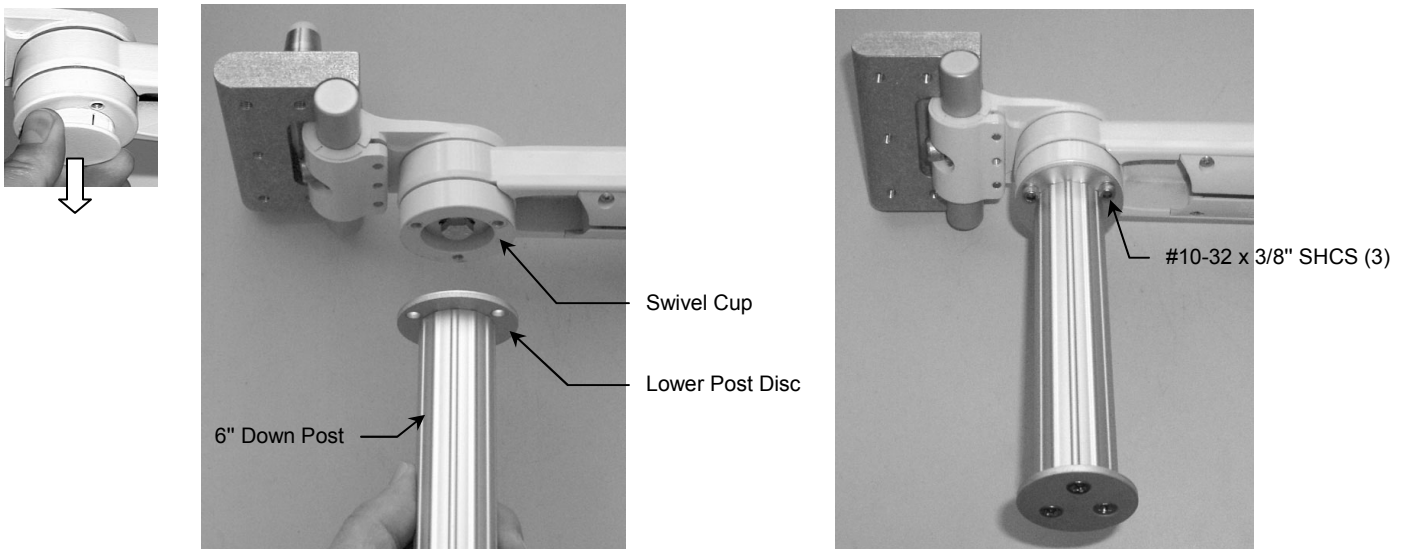Do Not Attach Table Top Mount if MP20/30 Monitor Has This Mounting Interface

1. Attach the Philips-supplied Table Top Mount to the Mounting Adapter on the M-Series Arm using one (1) M6 x 12mm FHMS and two (2) M6 x 8mm FHMS (see below).

Mounting Adapter M6 X 12mm FHMS (1) M6 X 8mm FHMS (2)

Table Top Mount

*Attaching the Down Post to the Arm
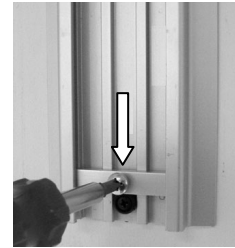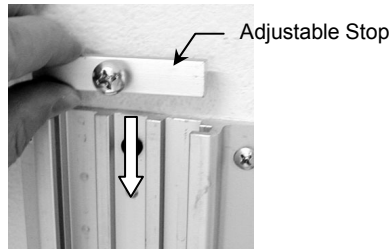
The Down Post is used for mounting the Flexible Module Server (FMS). Skip this procedure if your IntelliVue monitoring system does not require a Down Post or FMS.

1. Remove the plastic bolt cap from the bottom of the Swivel Cup (front end of Arm).

2. Align the three (3) mounting holes in the Lower Post Disc with the three (3) threaded holes in the Swivel Cup.

3. Using the 5/32" hex key, attach the Post to the Swivel Cup with three (3) #10-32 x 3/8" SHCS.
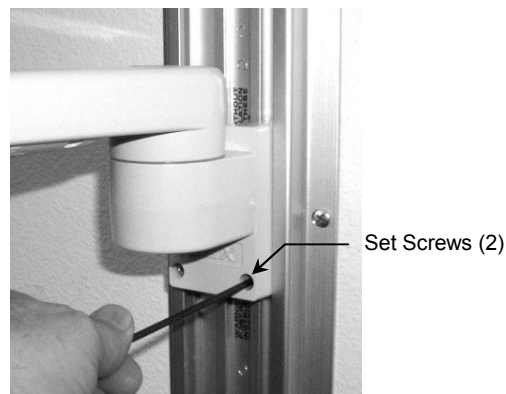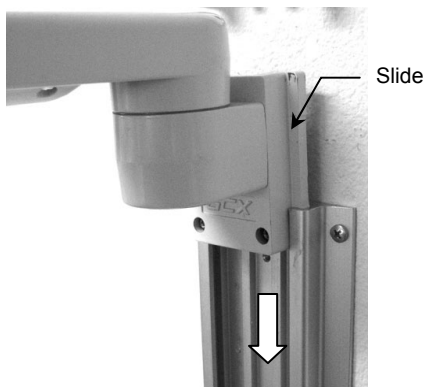
Swivel Cup

Lower Post Disc

6" Down Post

#10-32 x 3/8" SHCS (3)

Mounting the M-Series Arm in the Wall Channel

1. Insert the Adjustable Stop in the top opening of the wall channel and slide it to the bottom of the channel. Secure the Adjustable Stop in the channel by tightening the screw in the center of the Stop.

Adjustable Stop

2. While supporting the bottom of the Arm, guide the Slide (at rear of Arm) into the top of the wall channel. Slide the Arm to the desired position in the channel and tighten two (2) set screws (bottom of the Slide) using the 1/8" key. The M-Series Arm should be securely mounted as shown below right.
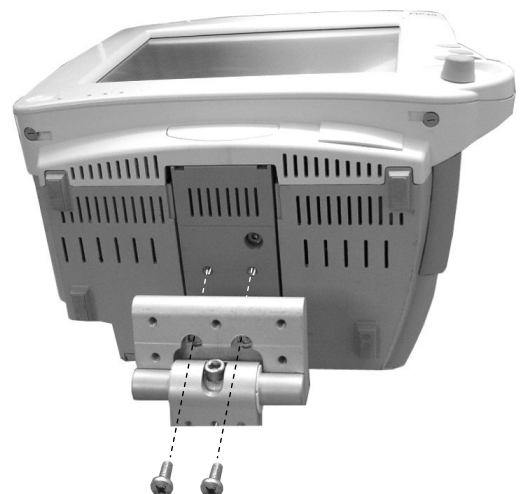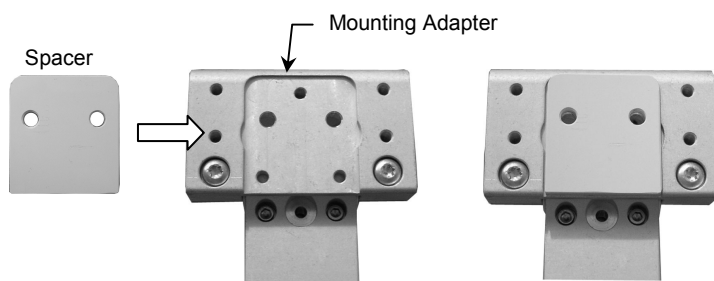

Slide

Set Screws (2)

Mounting the Monitor on the Arm

Table Top Mount

Mount the monitor in accordance with the Philips Table Top Mount instruction sheet.
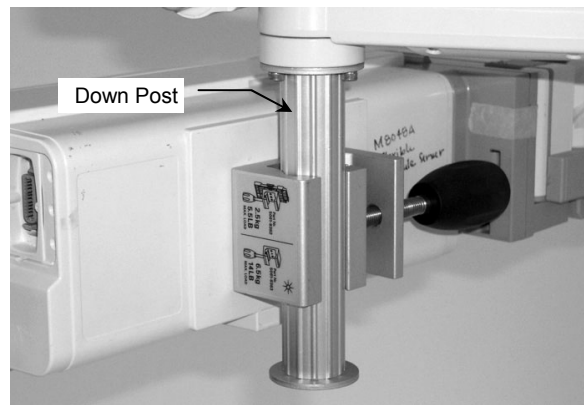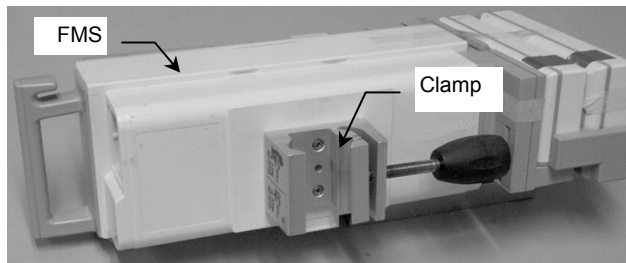
MP20/30 non-Table Top Mount

1. Fit Spacer into recessed area on top of Mounting Adapter (below). Ensure Spacer remains between Mounting Adapter and monitor.

2. Insert two (2) M6 x 16mm PHMS through bottom of Mounting Adapter and thread into mounting holes in bottom of monitor (right).

Spacer

Mounting Adapter

*Mounting the Flexible Module Server (FMS) on the Down Post

*Installation Note: This procedure is not required if Down Post has not been installed.

1. Attach the FMS to the Down Post by placing the Clamp around the Down Post and tightening the knob.

Installing the 16" Wall Channel Cover

Install the Wall Channel Cover in accordance with the *Channel Cover Installation Guide (DU-UT-0001-20).*
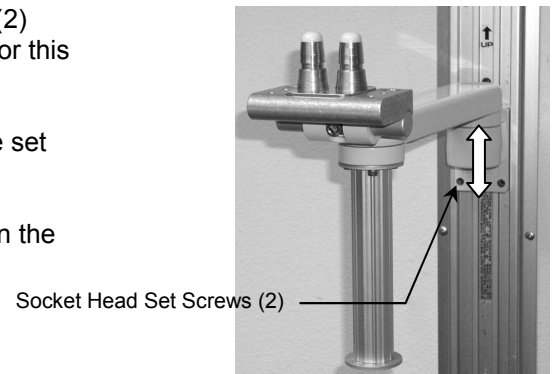
M-Series Arm Operation and Adjustment

Positioning Arm in Channel

WARNING: Do not attempt to remove the Arm from the Channel while an instrument is mounted.

1. While *supporting the weight of the mounted instrument, loosen the two (2) socket head set screws (SHSS) in the Slide. A 1/8" hex key is provided for this task.

2. Push up or pull down at the end of the arm nearest the Slide. Tighten the set screws to secure the Arm in the Channel
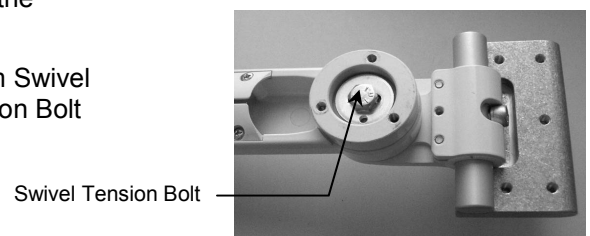
* It may be necessary to dismount the instrument before adjusting the Arm in the Channel.

Swiveling the Mounted Instrument
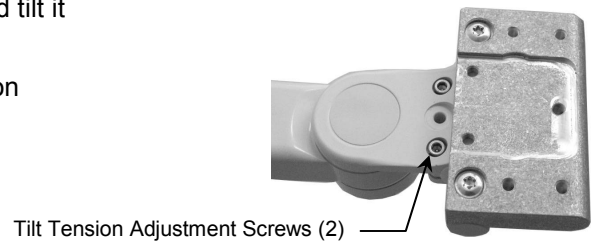
In most configurations, the mounted instrument may be swiveled and swivel tension can be adjusted:

1. To swivel the mounted instrument simply push or pull the corners of the instrument.

2. To adjust swivel tension, remove bolt cap or existing Down Post from Swivel Cup (bottom of front end of Arm). Tighten or loosen the Swivel Tension Bolt using a 1/2" [13 mm] socket driver.

Tilting the Mounted Instrument

1. To tilt the instrument, grasp the top and bottom of the instrument and tilt it to the desired angle.

2. To adjust tilt tension, equally tighten or loosen the two (2) Tilt Tension Adjustment screws using the supplied 5/32" hex key.
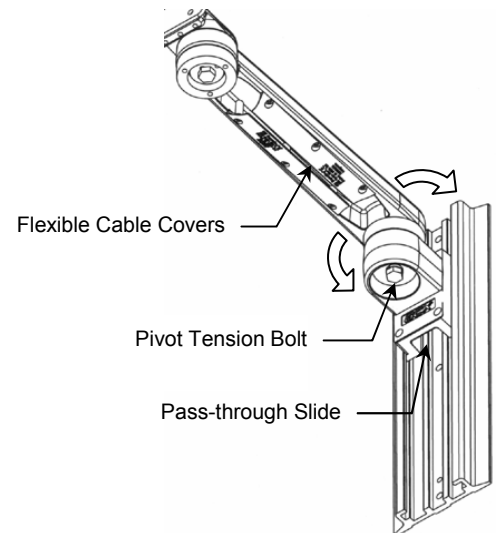

Tilt Tension Adjustment Screws (2)

Pivoting the Arm

1. To pivot the Arm at the Slide, simply push on the side of the Arm or mounted instrument.

2. To adjust pivot tension, loosen or tighten the Pivot Tension Bolt using a 1/2" [13 mm] socket driver.

Cable Management

Two cable management features allow convenient placement and flow of cables:

1. An open cavity beneath the arm (with flexible cable covers) allows management of cables between the front and rear of the arm.

2. A "pass-through" channel at the rear of the slide allows cables to pass behind the arm within the Channel.
   Note: If cable connectors are too large to fit through the pass-through, try placing the cables in the "pass-through" before installing the arm in the Channel. Contact GCX for optional Channel Covers available to further manage the flow of cables in the Channel.

Flexible Cable Covers

Pivot Tension Bolt

Pass-through Slide

Cleaning

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 recommended that you test any cleaning solution on a small area of the arm that is not visible to verify compatibility.

5. Never submerge the arm, and do not allow liquids to enter the arm. Wipe any cleaning agents off of the arm immediately, using a water-dampened cloth. Dry the arm 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.