

Installation Guide

VHM Arm with 8" Extension & Swivel Stop for Mounting
Philips IntelliVue MP60/70, MX400/450/500/550/600/700/800 on Dräger Apollo Left Side



The purpose of this guide is to describe mounting of Arm on left side of machine.



WARNING: USE OF MOUNTING HARDWARE AND MONITORING COMPONENTS OTHER THAN THOSE DESCRIBED IN THIS DOCUMENT MAY RESULT IN SERIOUS INJURY DUE TO TIPPING OF THE ANESTHESIA MACHINE.

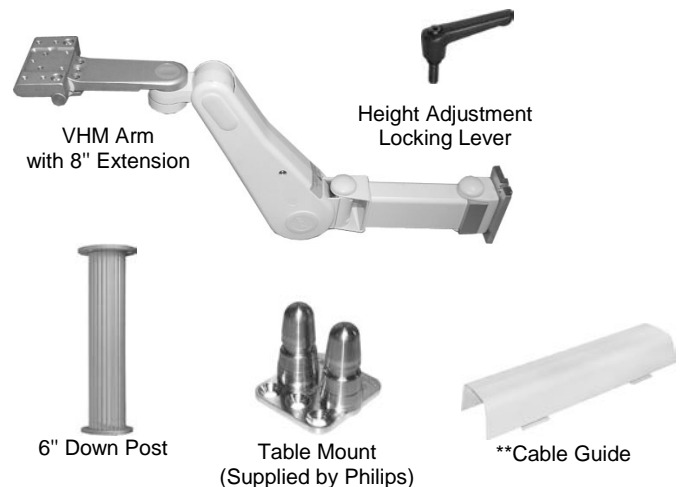
WARNING: ALL DEVICES AND MOUNTING EQUIPMENT SHOULD BE POSITIONED INWARD, CLOSE TO THE APOLLO, DURING TRANSPORT.

Installer: When installation is completed, provide these instructions and all related documentation to the end user for future reference.

Parts Reference

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

Item #	Description	Qty
1	VHM Arm with 8" Extension	1
2	Nut Plate	2
3	M6 x 25mm Flat Head Socket Cap Screw (FHSCS)	2
4	Locking Lever, Height Adjustment	1
5	Cable Guide	1
6	Down Post, 6"	1
7	#10-32 x 3/8" Socket Head Cap Screw (SHCS)	3
8	M6 x 8mm FHMS	2
9	M6 x 12mm FHMS	1
10	5/32" Hex Wrench	1
11	1/2" Socket Wrench	1

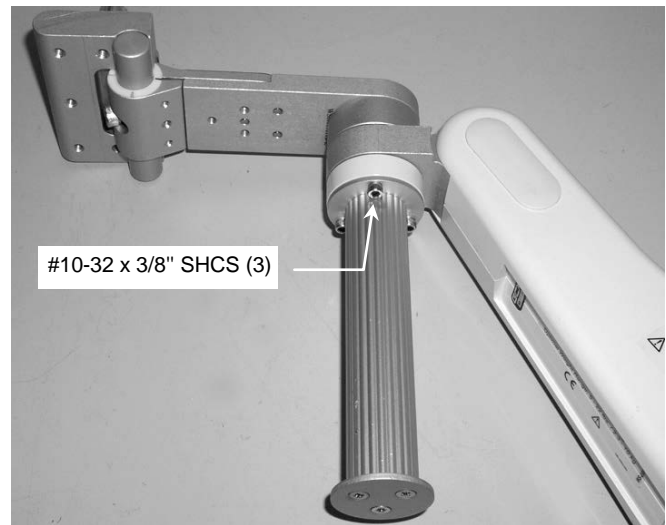
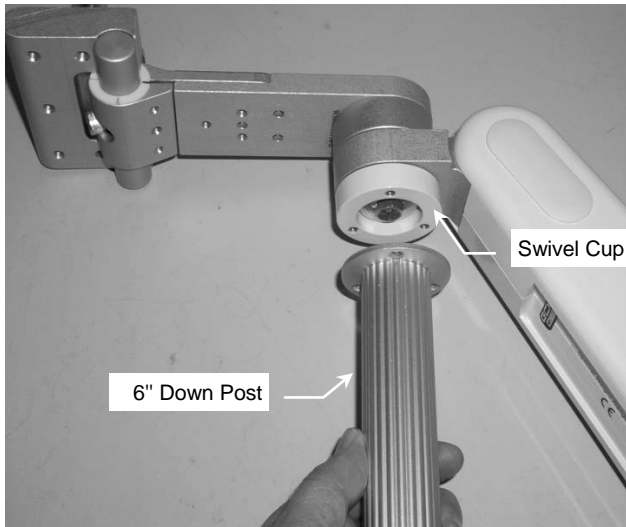


** See DU-WS-0001 page 6 for Cable Management

Tools Required: 5/32" hex wrench (provided), Phillips Screwdriver 1/2" socket wrench (provided).

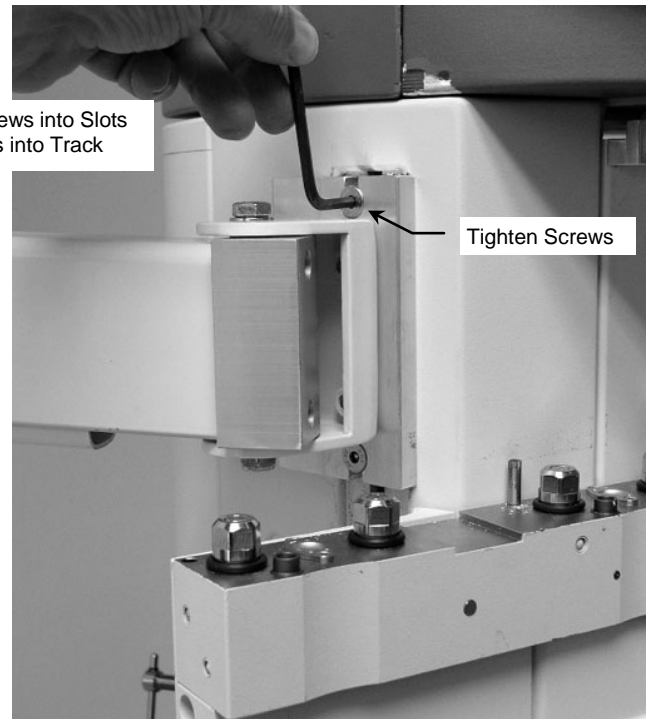
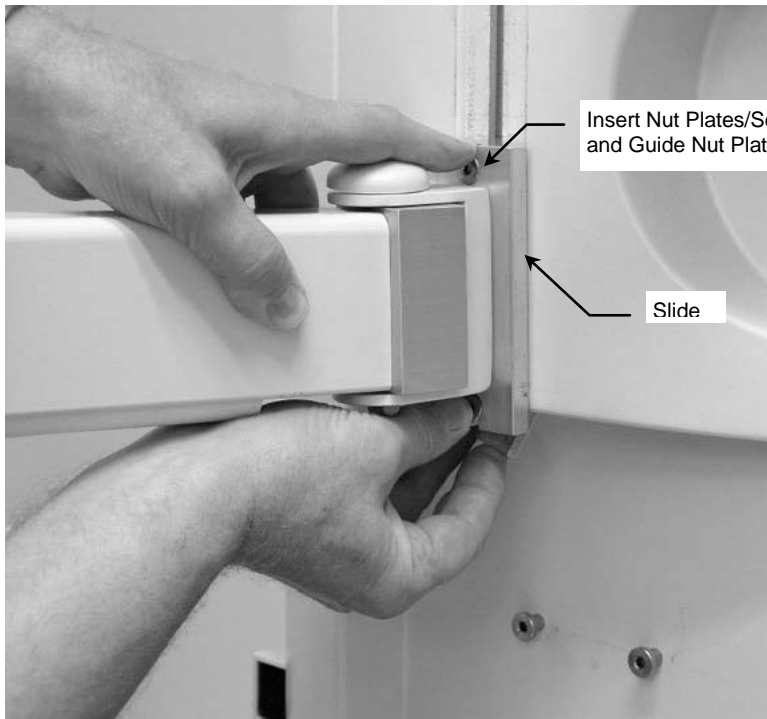
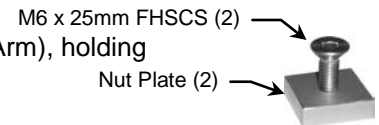
Attaching Down Post to VHM Arm

1. Remove plastic bolt cap from Swivel Cup (not shown).
2. Using the 5/32" hex wrench provided, fasten Post to Swivel Cup with three (3) #10-32 x 3/8" SHCS as shown below.



Mounting the Arm in the Accessory Track

1. Thread one (1) M6 x 25mm FHSCS a few turns into each Nut Plate (right).
2. Insert Nut Plate/screw assemblies in top and bottom slots of Channel Slide (rear of Arm), holding bottom screw in place to prevent it from falling from the slot.
3. Hold Nut Plates in slots (below left) and guide entire assembly to top of track.
4. Using the 5/32" hex wrench provided, tighten two (2) flat head socket cap screws (below right).

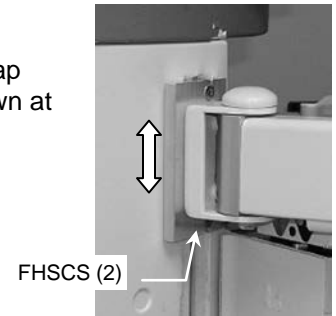


Positioning Arm in Track

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

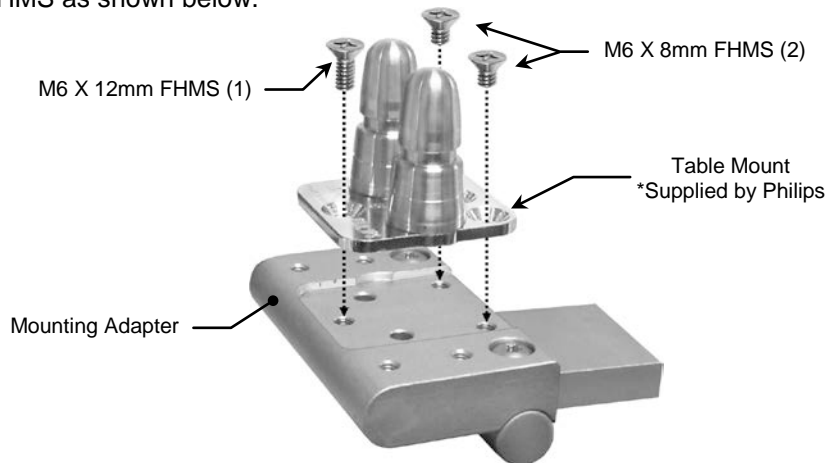
While *supporting the weight of the mounted instrument, loosen the two (2) flat head socket cap screws (FHSCS) in the Slide. A 5/32" hex wrench is provided for this task. Push up or pull down at the end of the arm nearest the Slide. Tighten screws to secure Arm in track.

* It may be necessary to dismount instrument before adjusting Arm in track.



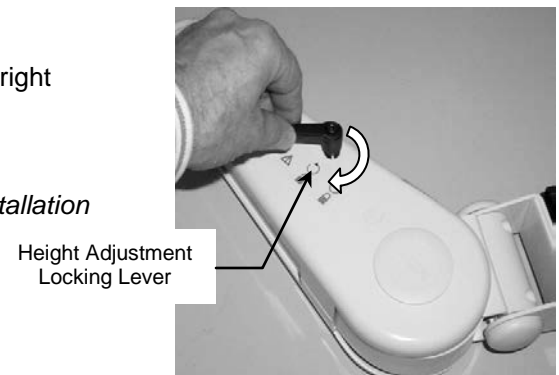
Attaching the Philips Table Mount to the Mounting Adapter

1. Fasten the Philips-supplied Table Mount to the Mounting Adapter on the VHM Arm with one (1) M6 x 12mm FHMS and two (2) M6 x 8mm FHMS as shown below.



Mounting the Monitor on the Arm (Table Mount)

1. Thread the Height Adjustment Locking Lever into the mounting hole in the right side of the Arm (right).
2. Mount monitor according to Philips table mount instructions.
3. Perform counterbalance adjustment in accordance with Section 3.0 of *"Installation & Operation Manual for VHM™ Series Arms"* (DU-WS-0001).



Mounting the MX400/450/500/550 Monitor (Fixed Mount Adapter)

1. Thread the Height Adjustment Locking Lever into the mounting hole in the right side of the Arm (right).
2. Mount the monitor in accordance with separate Installation Guide DU-PH-0073-15 provided with the Mounting Adapter, ordered separately.
3. Perform counterbalance adjustment in accordance with Section 3.0 of *"Installation & Operation Manual for VHM™ Series Arms"* (DU-WS-0001).

VHM Arm Operation and Adjustment

Refer to "*Installation & Operation Manual for VHM™ Series Arms*" (DU-WS-0001).

Routine Maintenance

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

Cleaning the Mounting Assembly

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.

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 or 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.