

Installation Guide

VHM Arm with 8" Extension & Swivel Stop for Mounting Philips MP20/30/40/50 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.

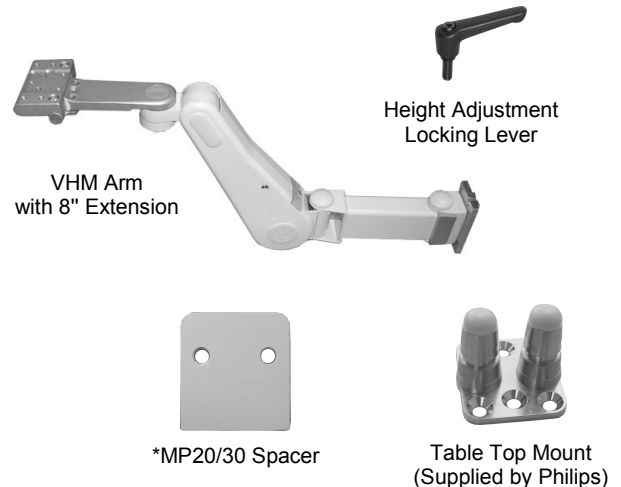
WARNING: ALL DEVICES AND MOUNTING EQUIPMENT SHOULD BE POSITIONED INWARD, CLOSE TO THE APOLLO DURING TRANSPORT.

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

Parts Reference

The parts list below includes parts and hardware that will be used in this installation procedure (see photos for parts; 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 Clip	2
6	M6 x 8mm Flat Head Machine Screw (FHMS)	2
7	M6 x 12mm FHMS	1
8	5/32" Hex Wrench	1
9	1/4" Hex Wrench	1
10*	Spacer, MP20/30	1
11*	M6 x 16mm Pan Head Machine Screw (PHMS)	2

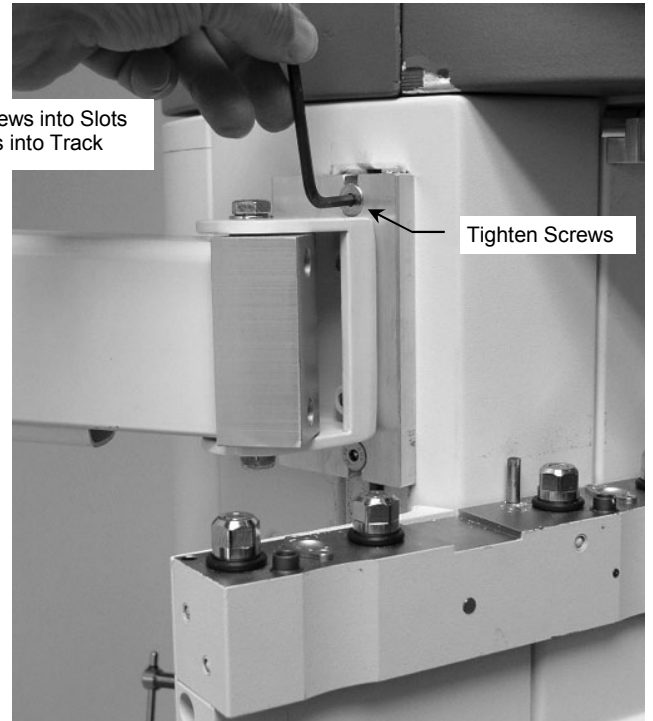
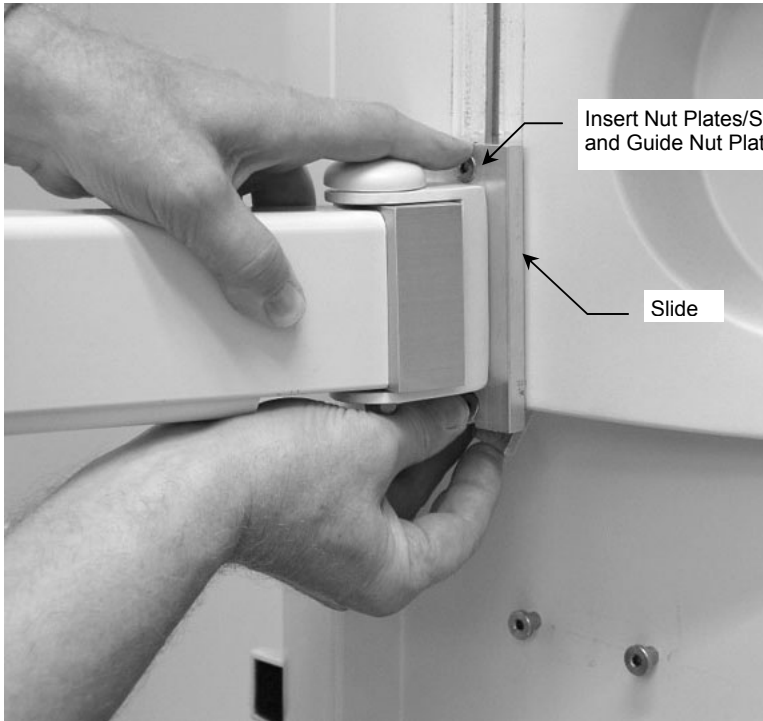
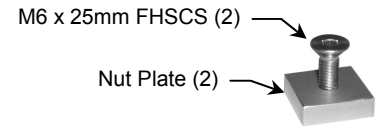


*See "MP20/30 non-Table Top Mount" on p.3 for use of these parts.

Tools Required: 5/32" hex wrench (provided), 1/2" nut driver or socket wrench.

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 the 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).

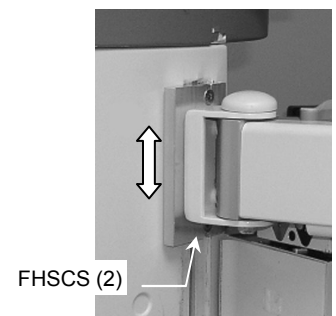


Positioning Arm in Track

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.

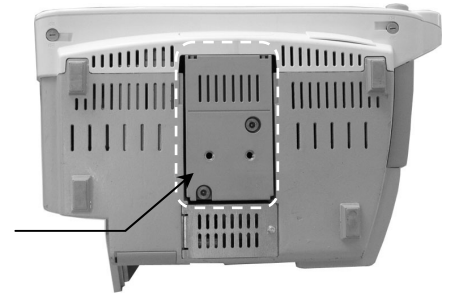
* It may be necessary to dismount instrument before adjusting Arm in track.



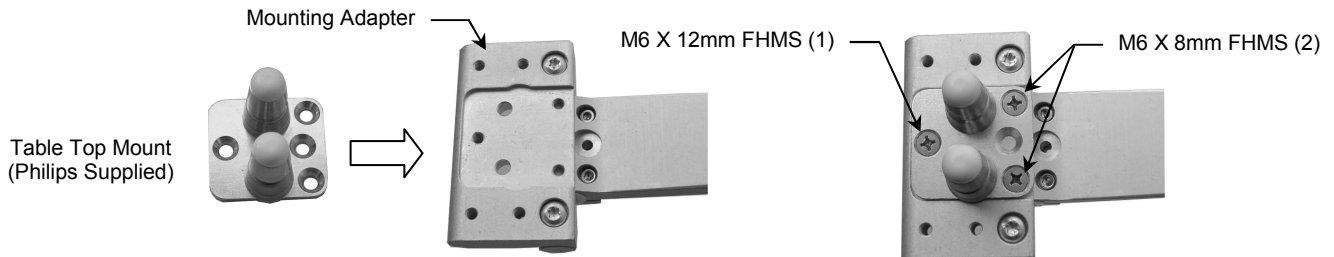
Attaching Philips Table Top Mount to Mounting Adapter

Installation Note: Do not attach the table top mount to the Arm/Mounting Adapter if you will be mounting an MP20/30 monitor equipped with 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 is Equipped with This Mounting Interface

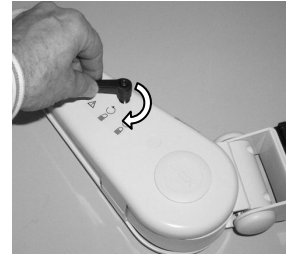


1. Fasten Philips-supplied table top mount to Mounting Adapter on the VHM Arm with one (1) M6 x 12mm FHMS and two (2) M6 x 8mm FHMS as shown below.



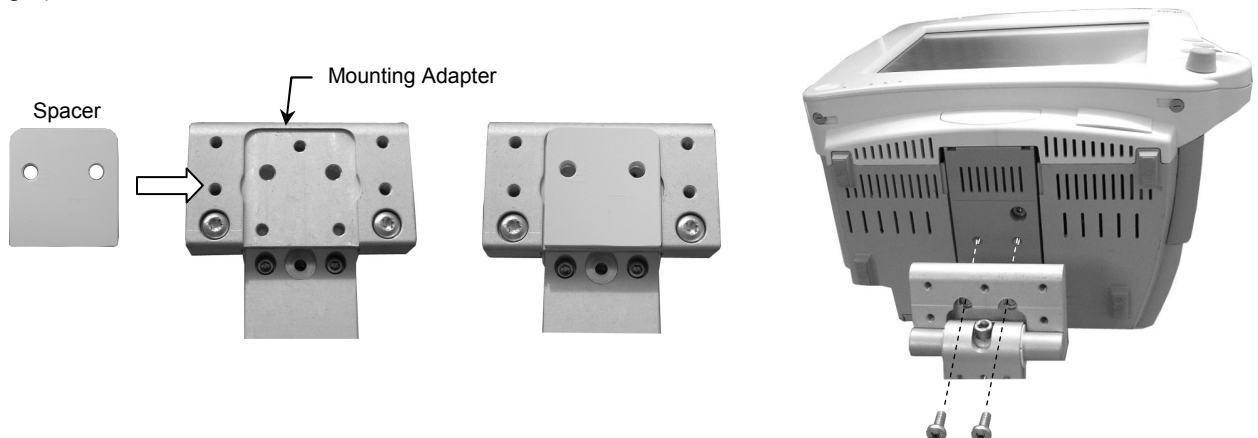
Mounting the Monitor on the Arm

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



MP20/30 with 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).



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 recommend 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.