

Installation Guide

Philips MP2 IntelliVue M-Series Arm (12" or 8") Rail Mount Kit

The purpose of this guide is to:

1. Describe mounting of MP2 equipment on Mounting Bracket (page 2).
2. Describe mounting of Arm on rail (pages 3 – 6).

Installation Note: Docking Station supplied by Philips.

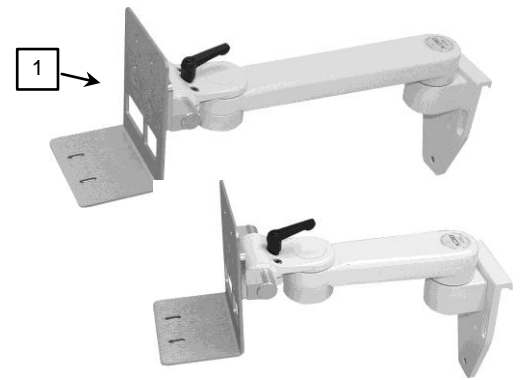


Parts Reference

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

Item #	Description	Qty
*1	M-Series Arm (12" or 8") with Mounting Bracket & Rail Clamp	1
2	M4 x 14 mm Flat Head Machine Screw (FHMS)	2
3	M4 x 10 mm PHMS	2
4	M4 x 16mm Flat Head Machine Screw (FHMS)	2
5	Channel Mount	1
6	5/32" Hex Wrench	1

*Installation hardware listed separately on page 3.



Tools Required

- Phillips screwdriver (not provided)
- 5/32" (provided)
- 3/16" hex wrenches (provided)

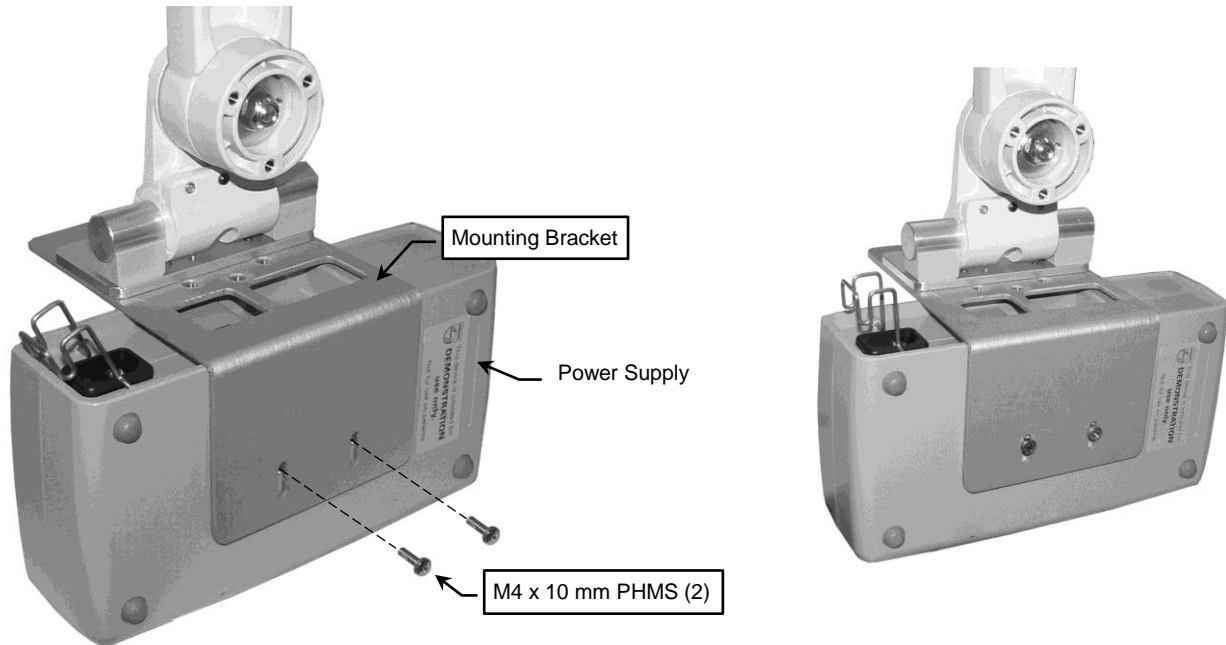


CAUTION - Before mounting the Arm:

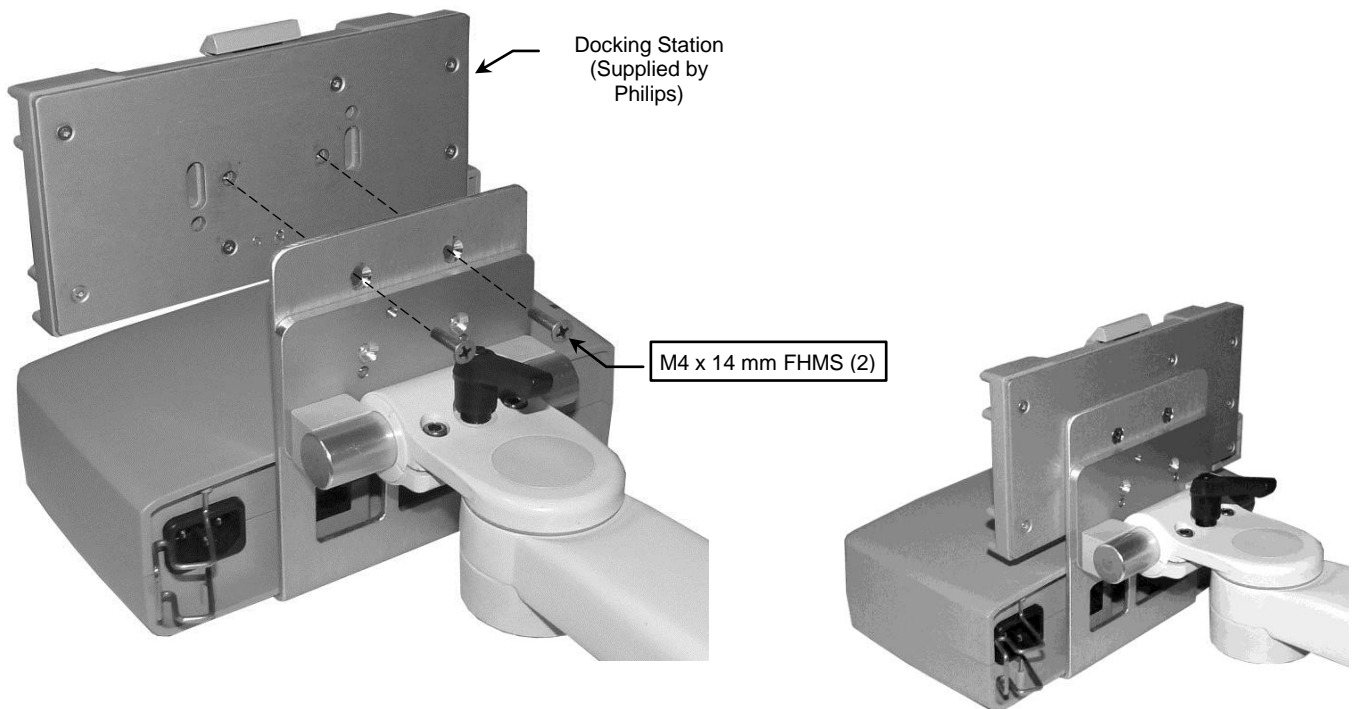
- Ensure that the weight of the device being mounted does not exceed the load rating of your M-Series Arm. Check the "Max Load" rating label located on top of the arm at the Slide pivot point. It is not recommended that this arm be used for weights outside of this range.
- If assistance is needed regarding an application, please contact a GCX product specialist at (800) 228-2555.

Mounting Power Supply and Docking Station (supplied by Philips) on the Mounting Bracket

1. Fasten power supply to bottom of Mounting Bracket with two (2) M4 x 10 mm PHMS as show below.



2. Fasten docking station to upper Mounting Bracket with two (2) M4 x 14 mm FHMS as shown below. If the power supply and Mounting Bracket will not be used, the Docking Station may be fastened directly to the arm using two (2) M4 x 16mm FHMS.



Mounting the M-Series Arm on a Rail

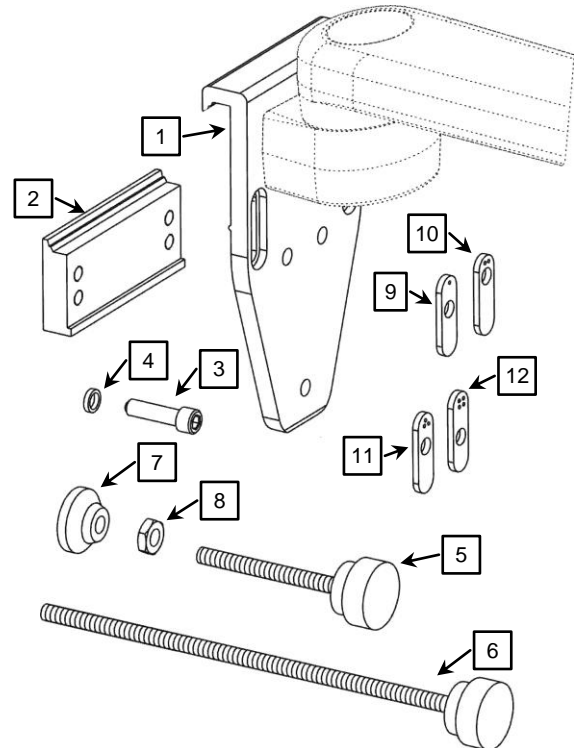


WARNING: The customer must verify the stability of the rail on which the GCX Euro Clamp will be mounted. The rail must be load-rated to carry the weight of the mounting system and all mounted instruments and accessories. The maximum load rating of the Rail Clamp is 33 lbs [14.97 kg].

Installation Note: The GCX Euro Rail Clamp is part of an instrument mounting system. This installation guide covers mounting of the Rail Clamp only. Your actual mounting system may differ from the M-Series Arm shown here.

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

Item #	Description	Qty
1	Rail Clamp (shown on M-Series Arm)	1
2	Lower Clamp Bar	1
3	M6 x 25 mm Socket Head Cap Screw (SHCS)	2
4	Lock Washer, 1/4" Hi-collar	2
5	2.65" Threaded Stud with Knob	1
6	7.5" Threaded Stud with Knob	1
7	Leveling Foot	1
8	M8 Hex Jam Nut	1
9	Location Washer, 10 mm x 25 mm (rail size)	2
10	Location Washer, 10 mm x 30 mm (rail size)	2
11	Location Washer, 10 mm x 35 mm (rail size)	2
12	Location Washer, 10 mm x 40 mm (rail size)	2
13	3/16" Hex Wrench (not shown)	1



Tools Required

- 3/16" hex wrench (provided)
- 1/2" [13 mm] wrench (not provided)
- Torque wrench (not provided)

Mounting Rail Clamp on Rail

In this procedure the Rail Clamp is being mounted on a 10 mm x 25 mm rail.



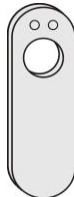
WARNING! Ensure that the Location Washers selected match the rail size before installing the Rail Clamp. The Location Washers must be installed with dot pattern upward. The use of incorrect Location Washers or incorrect orientation of Location Washers could result in product failure or injury.

1. Determine size of rail and select appropriate set of Location Washers. Number of dots indicates size of rail. Location Washers must be installed with dots in upward ↑ position.

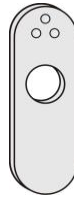
10 x 25 mm Rail
(1 dot)



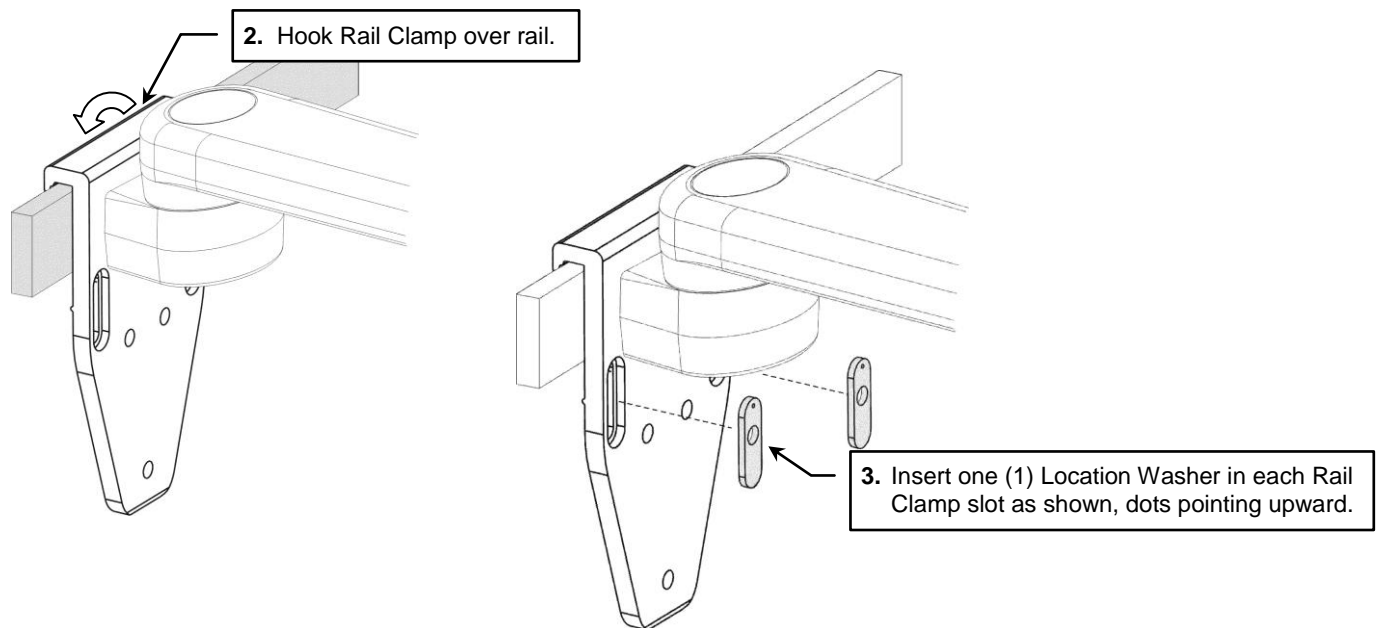
10 x 30 mm Rail
(2 dots)

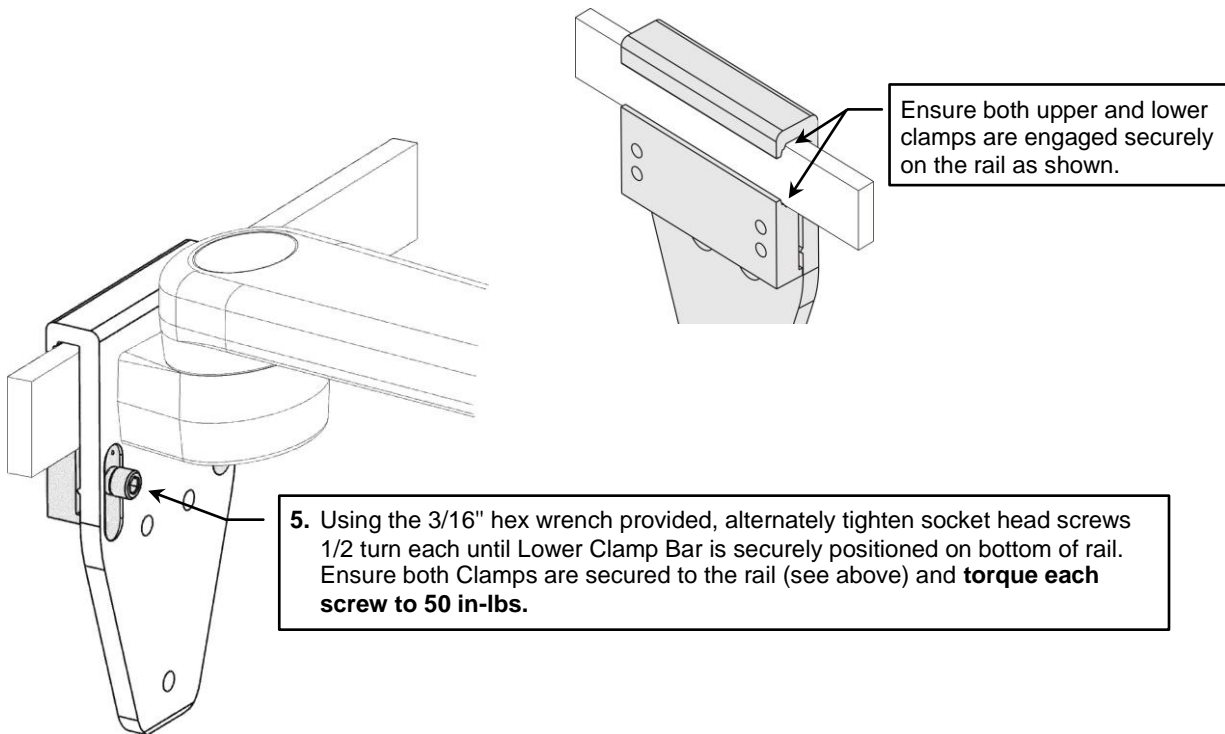
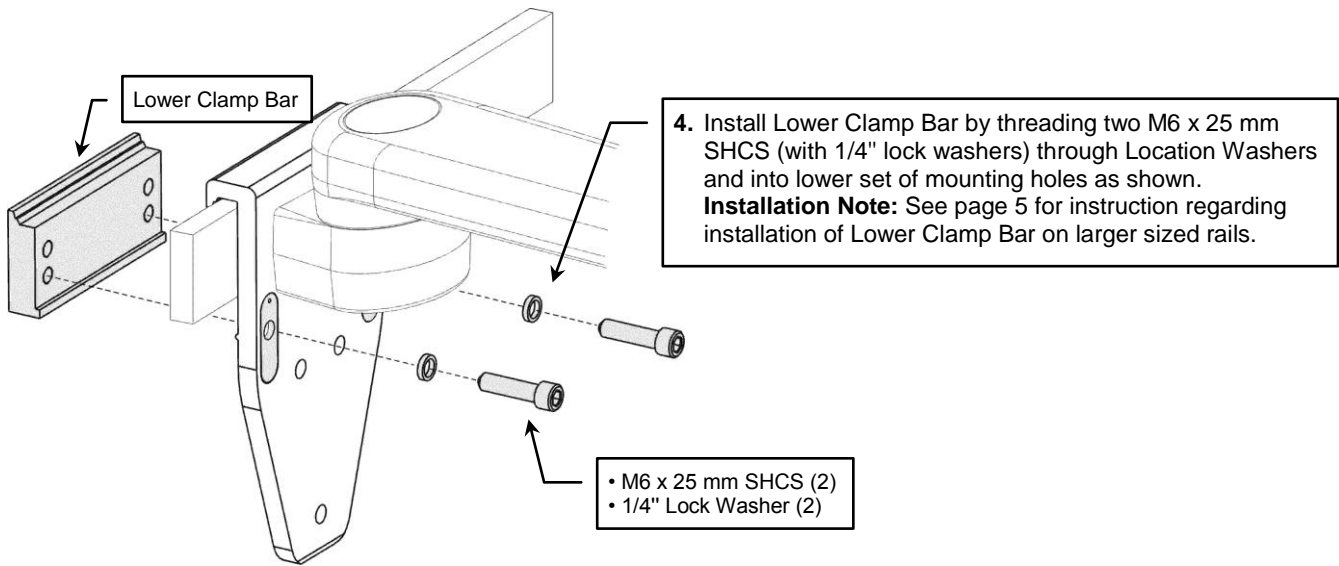


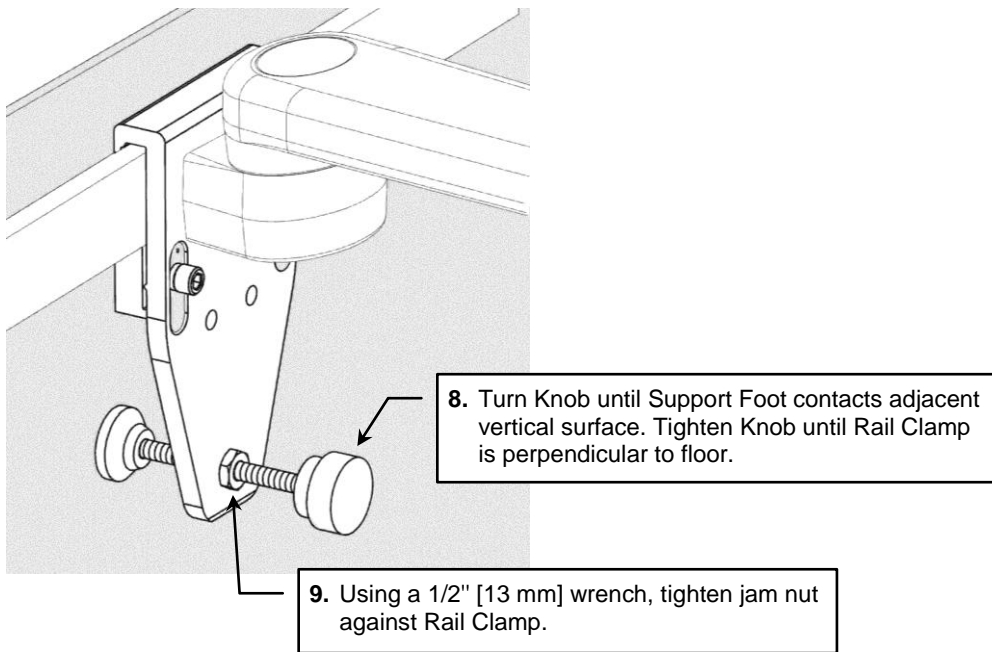
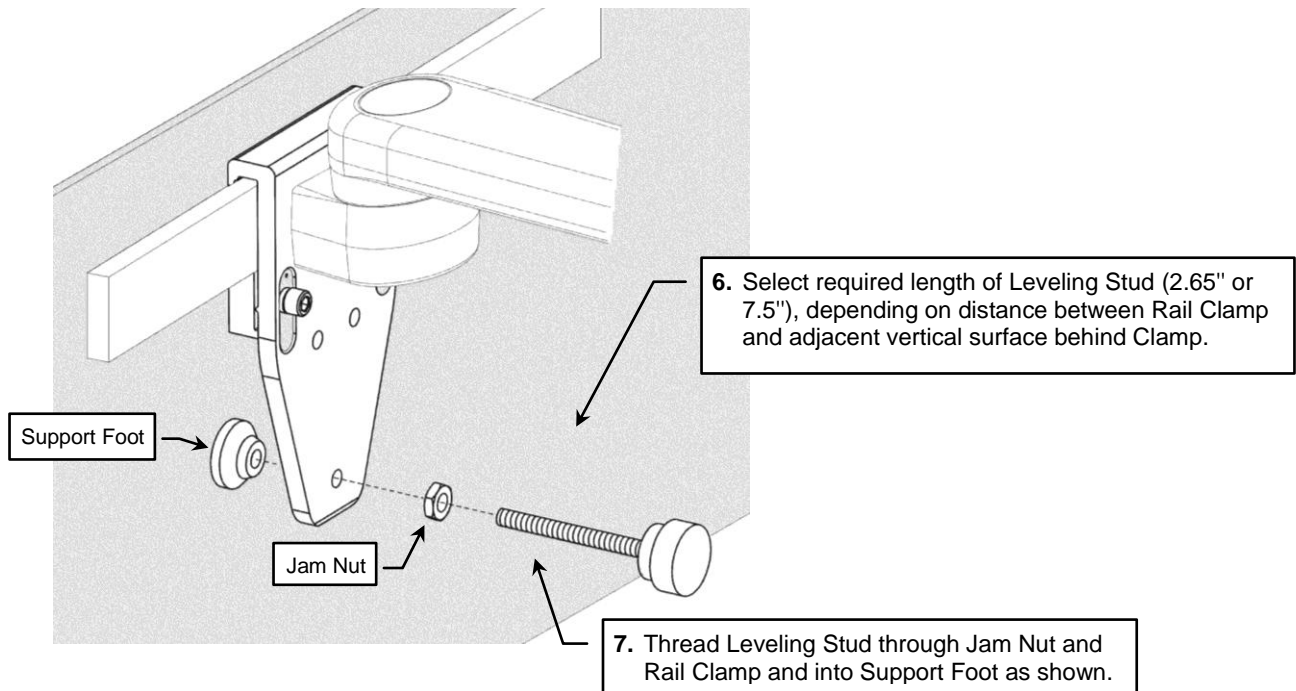
10 x 35 mm Rail
(3 dots)



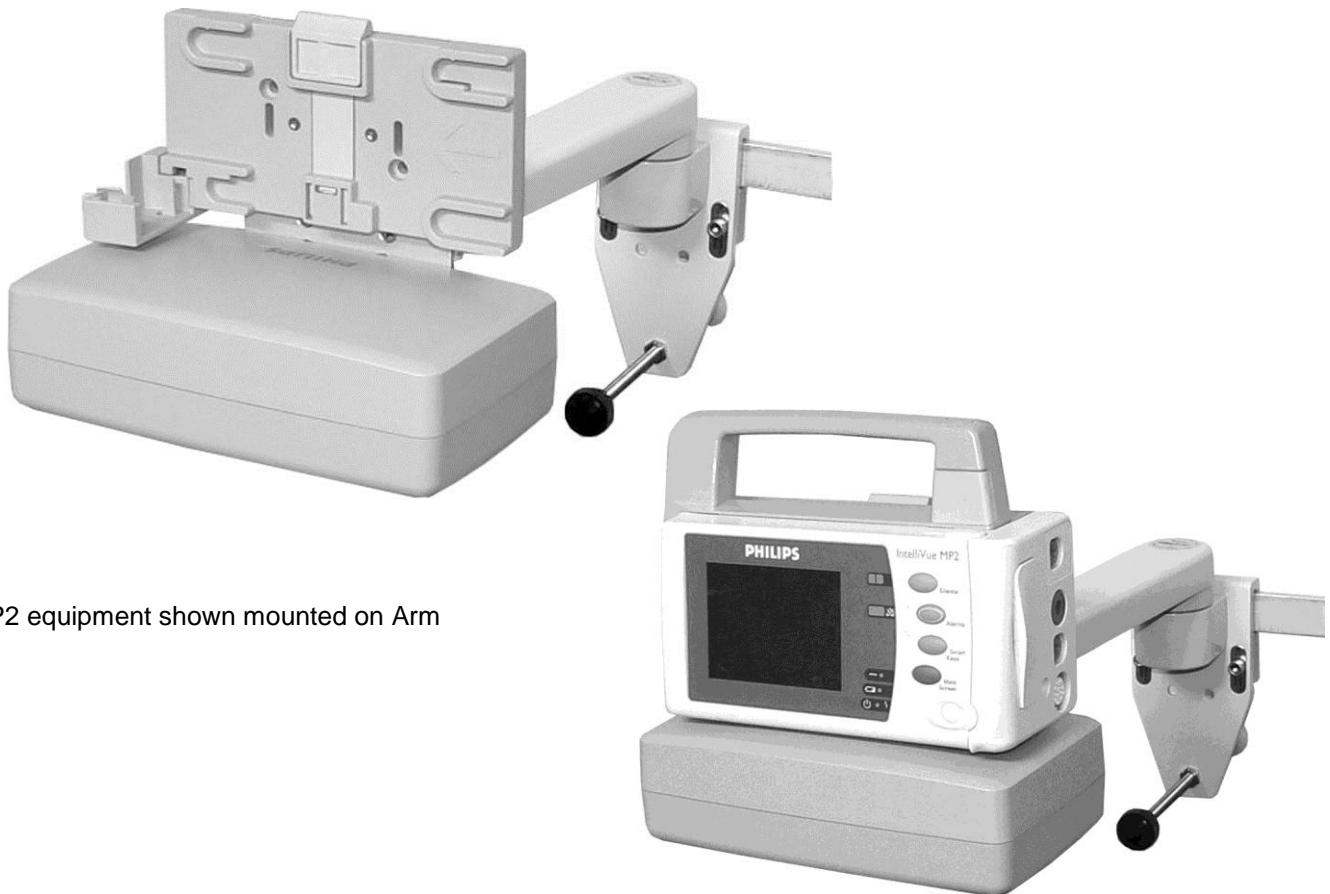
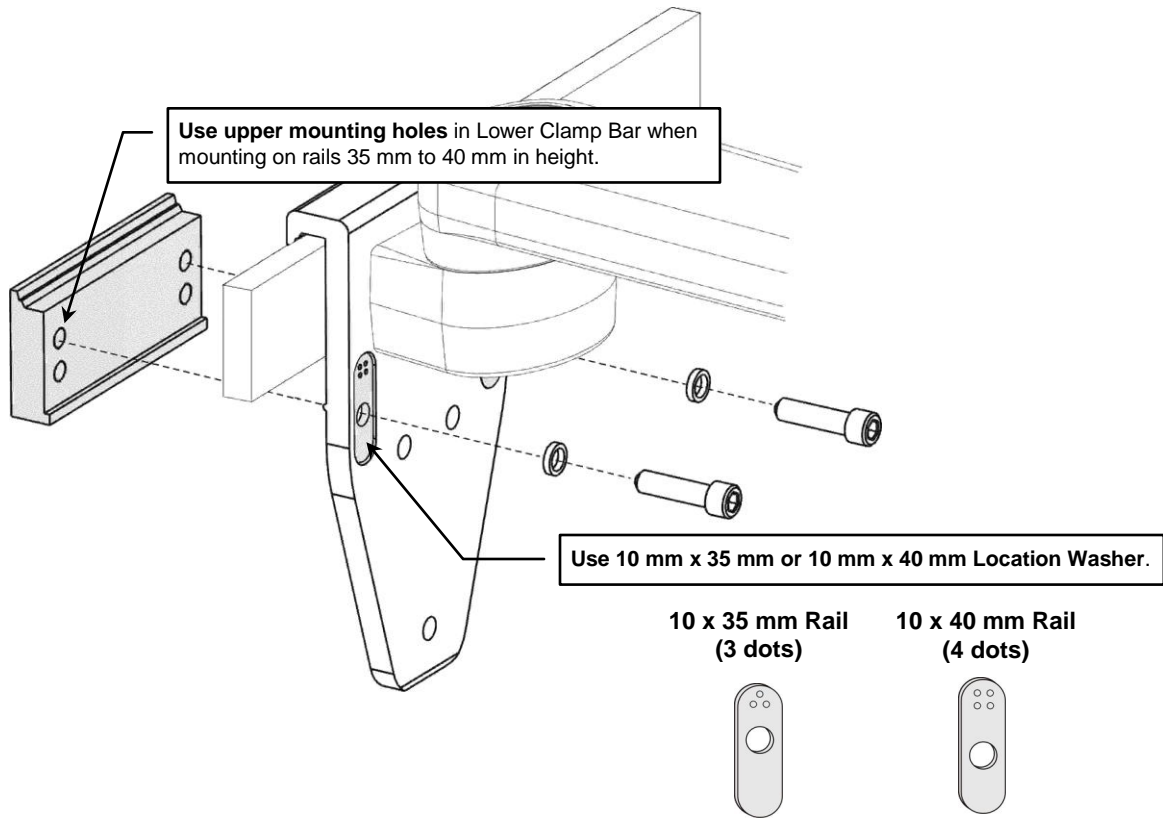
10 x 40 mm Rail
(4 dots)







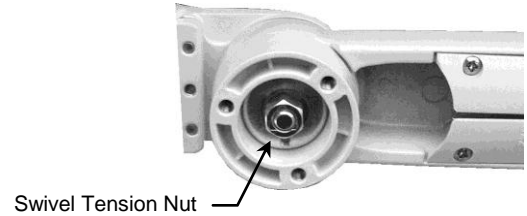
Mounting on 35mm to 40mm Rail Heights



M-Series Arm Operation and Adjustment

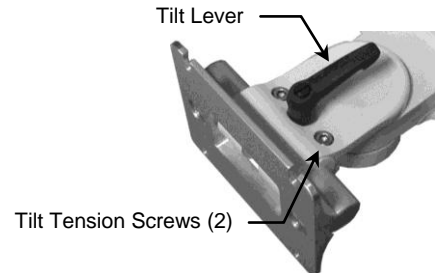
Swivel and Swivel Tension

1. To swivel the mounted instrument simply push or pull the corners of the instrument.
2. To adjust swivel tension, tighten or loosen the Swivel Tension Nut using a 1/2" [13 mm] socket wrench or nut driver.



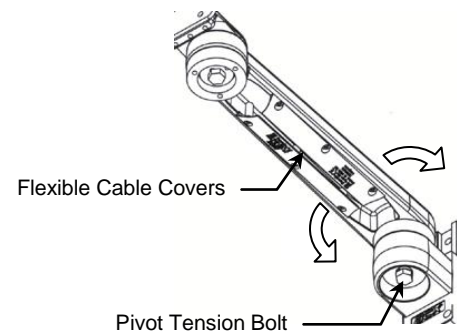
Tilt and Tilt Tension

1. To tilt the instrument, grasp top and bottom of the instrument and tilt it to desired angle. Tilt position may be locked with the Tilt Lever.
2. To adjust tilt tension, equally tighten or loosen two (2) Tilt Tension screws with the 5/32" hex wrench provided.



Pivot and Pivot Tension

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

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

Periodic Maintenance

All fasteners associated with the mounting system should be inspected periodically and tightened or adjusted 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 or trichloroethylene.
3. Steel wool or other abrasive material should never be used.
4. Damage caused by the use of unapproved substances or processes will not be warranted. We recommend testing of 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 the arm immediately using a water-dampened cloth. Dry mounting assembly 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 devices or accessory equipment, refer to the specific instructions delivered with those products.