



## Whaley Rail Assembly Instructions Swing Arm Monitor Frame – Vertical Magliner



Congratulations on receiving your Whaley Rail system! In order to properly install the Whaley Rail frame, you will need to follow the provided assembly instructions.

### Tools Needed:

- 5-32 or 4mm Hex Key
- 5mm Hex Key for M6 SHCS
- Monkey Wrench or 10mm wrench for M6 Hex Nut

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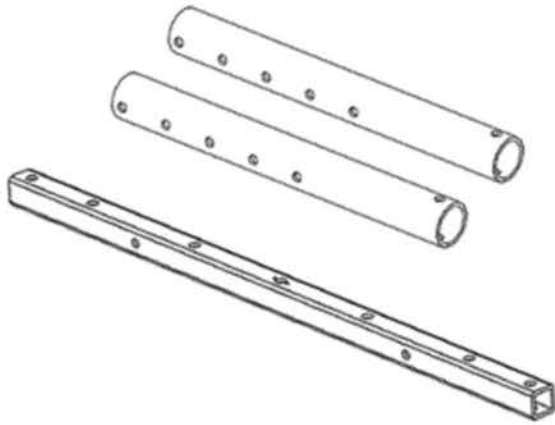
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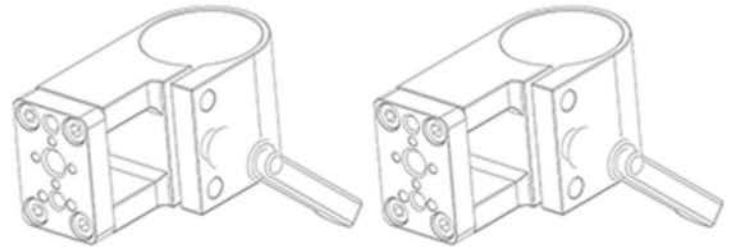
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## Vertical Magliner Swing Arm Monitor Frame

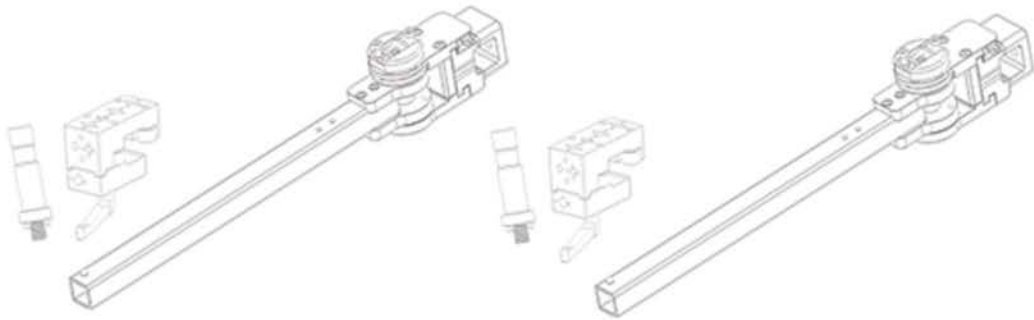


Whaley Rail Vertical Post (13" Length)  
Vertical Magliner #12918 x2



12625 - Whaley Rail  
Corner Clamp (Set of Two) x1

Magliner Vertical - 21.25" Rail #14764 x1



14835 - Whaley Rail - Monitor Swing Arm x2

# Vertical Magliner Whaley Rail Assembly Instructions

Each vertical post is mounted to the Magliner frame via 2- M6 x 55mm SHCS, 2 hex nuts and 4 washers. A washer is needed under both the screw head and M6 hex nut (not shown in images). There are three available holes on the Magliner frame. Each of these can be used to set height for the upper monitor frame. There are also 5 available through holes ( 1-3/4" intervals) on the 13" vertical posts for further height adjustment.



The 21.25" cross rail is attached to the vertical posts with two Whaley Rail Corner Clamps. Position the clamps so that the adjustable lever is facing towards the inside.

The Monitor Swing Arms can now be installed to the outer sections of the cross rail. Loosen the four M5 SHCS to slide each Monitor Swing Arm onto the cross rail and tighten all four screws.

## Monitor Swing Arm and Whaley Glide Clamp



### **Rail clamp design**

The swing arm attaches via a sliding rail clamp — similar in concept to the Whaley Rail clamp, but captive on the tube and bearing-mounted for smooth sliding. The clamp uses an oversized lever, specifically because this clamp is engaged/disengaged more frequently than others — the extra size gives more leverage and surface area for repeated use.

### **Loosening mechanism**

An O-ring sits between the two clamp halves. Opening the lever about a quarter turn is enough to separate the clamps for sliding. Opening it further doesn't help and actually makes sliding worse — keep it to a quarter turn.

### Sliding technique (view ↔ pack mode)

With a monitor mounted, its weight shifts the clamp's load onto the front edge of the tube. For smooth sliding, the clamp needs to sit flat against the tube:

1. Loosen the lever (~quarter turn).
2. Grab the monitor handle, or the spigot mount area, and pull back slightly to level the clamp flat against the tube.
3. Slide the clamp along the bearings to the desired position — in toward the cart for view mode, out for pack mode.

Close the lever to lock



### Pan adjustment

The mount uses a floating ball pattern for free pan movement, with a cam lever to lock/release it — the lever has a stop screw so it doesn't strike the back of the monitor when open. Pan locks on a 10-degree interval.

### Leveling

Since the arm is anchored on one side only, monitor weight causes droop; the tube is pre-angled to partly offset this. A per-side leveling screw fine-tunes landscape-orientation level — no separate landscape/portrait mount needed.

