

## Ergotron 45-647-216

# Ergotron HX HD Premium Heavy Duty Gaming Monitor Arm User Manual

Model: 45-647-216 | Brand: Ergotron

## 1. INTRODUCTION

Thank you for choosing the Ergotron HX HD Premium Heavy Duty Gaming Monitor Arm. This monitor arm is designed to provide robust support and flexible positioning for large, curved ultrawide monitors, enhancing your ergonomic setup and reclaiming valuable desk space. Please read this manual thoroughly before installation and use to ensure safe and optimal performance.

## 2. WHAT'S IN THE Box

Verify that all components are present before beginning installation:

- HX Desk Monitor Arm with HD Pivot (White)
- Extension
- Desk Clamp
- Grommet Mount
- Mounting Hardware

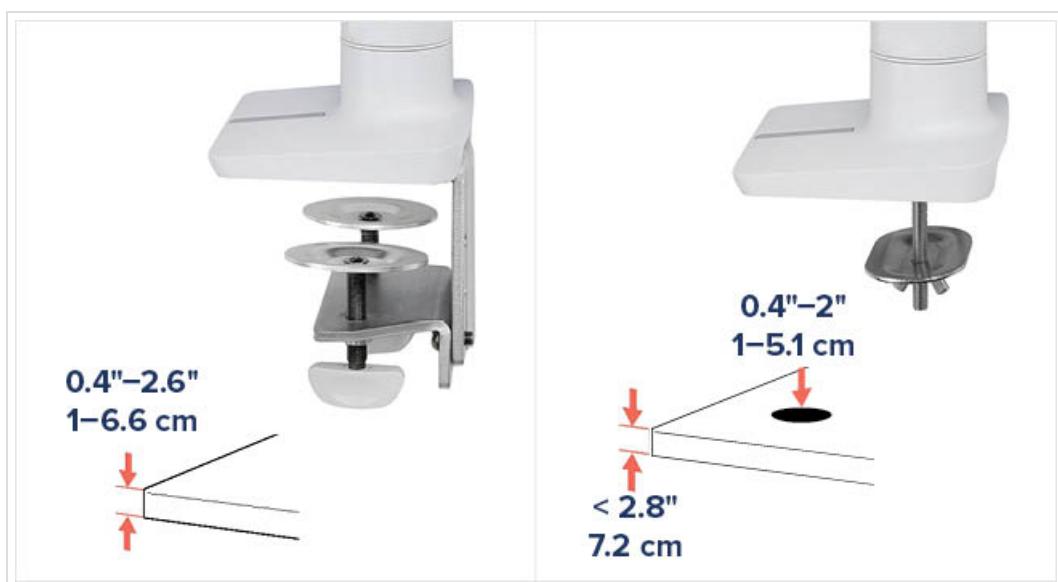


Figure 2.1: Included components for the Ergotron HX Monitor Arm.

### 3. PRODUCT SPECIFICATIONS

<b>Model Number</b>	45-647-216
<b>Product Dimensions</b>	18.6 x 11.2 x 7.7 inches
<b>Item Weight</b>	18.3 pounds
<b>Material</b>	Metal
<b>Color</b>	White
<b>Mounting Type</b>	Tabletop Mount (Desk Clamp or Grommet)
<b>Movement Type</b>	Articulating
<b>Compatible Devices</b>	Monitors up to 49 inches, 28 to 42 lbs
<b>VESA Compatibility</b>	75x75mm, 100x100mm
<b>Maximum Tilt Angle</b>	20 Degrees
<b>Lift Range</b>	11.5 inches (screen rises 17.8 inches from worksurface)
<b>Rotation</b>	360 Degrees
<b>Desk Clamp Thickness</b>	0.4 to 2.6 inches (1-6.6 cm)
<b>Grommet Mount Hole Diameter</b>	0.4 to 2 inches (1-5.1 cm)

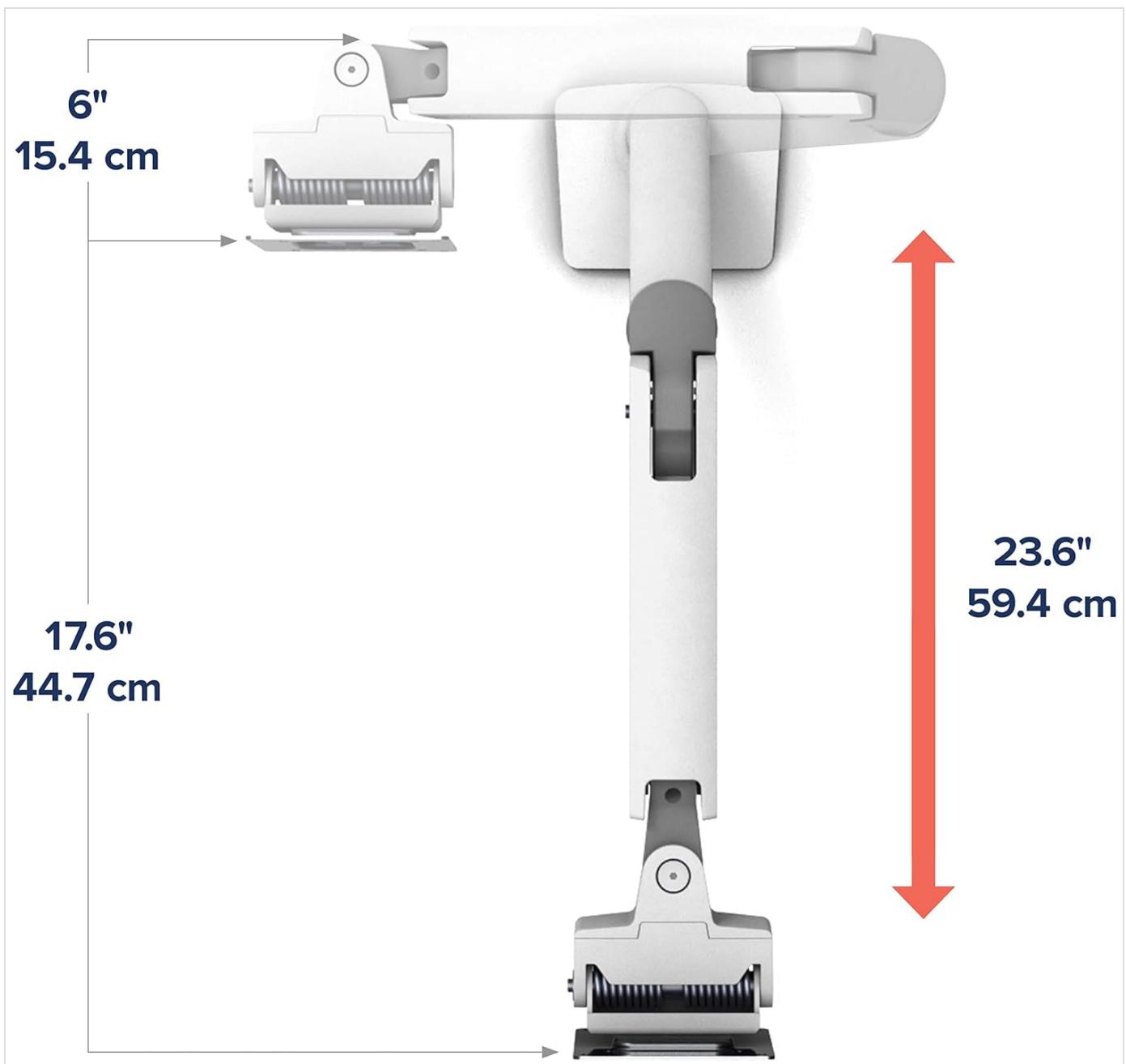


Figure 3.1: Ergotron HX Monitor Arm dimensions and range of motion.

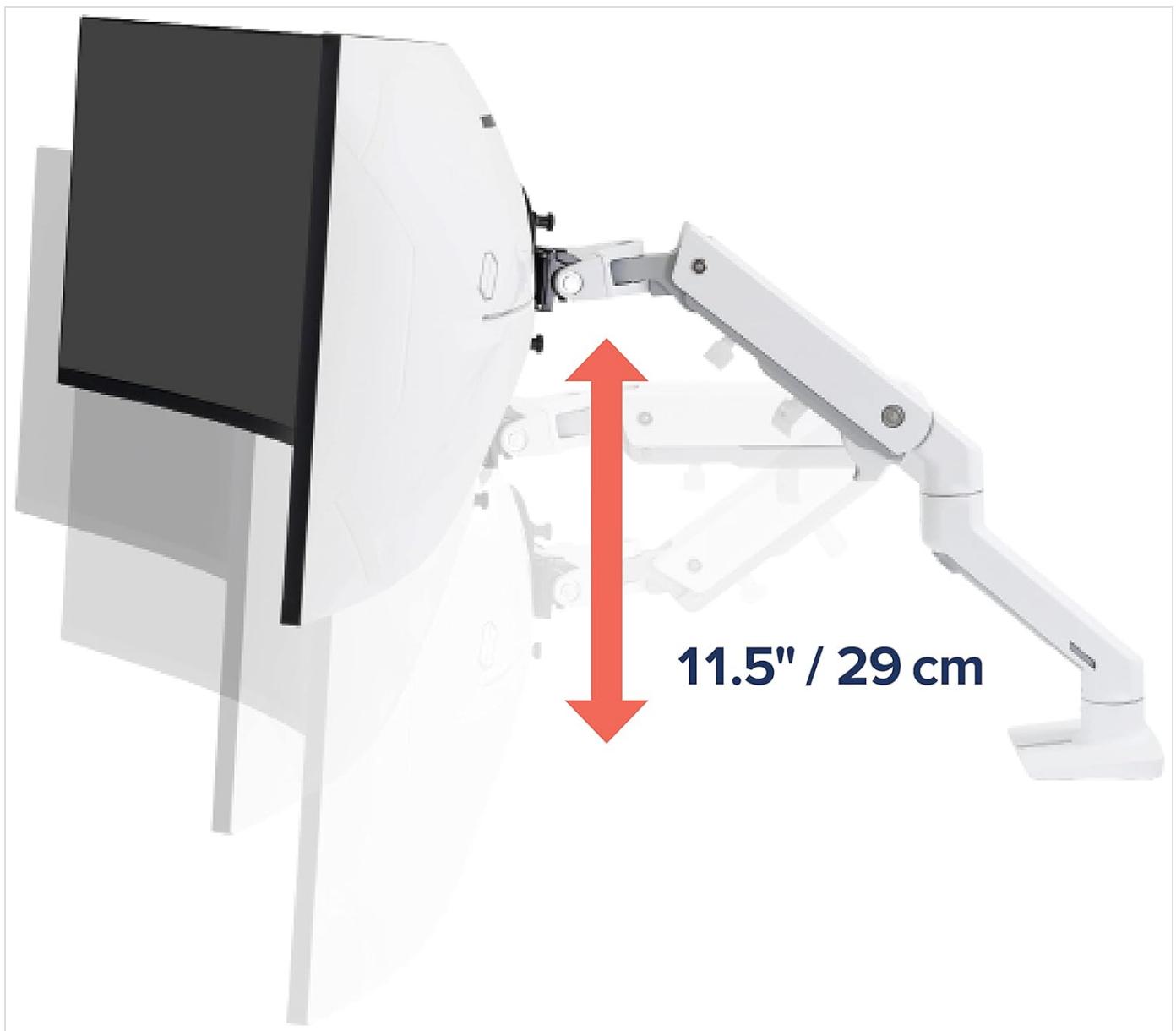


Figure 3.2: Vertical lift range of the monitor arm.



Figure 3.3: Horizontal reach and dimensions of the monitor arm.

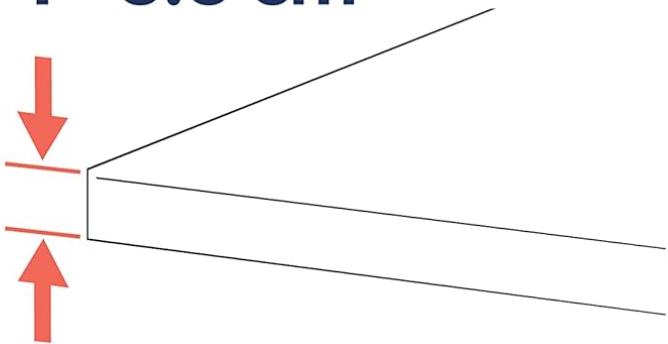
## 4. SETUP AND INSTALLATION

The Ergotron HX Monitor Arm offers two primary mounting options: a desk clamp for surface edges and a grommet mount for installation through a surface hole. Ensure your desk surface meets the specified thickness requirements for your chosen mounting method.

### 4.1. Choosing a Mounting Method

- **Desk Clamp:** Suitable for desk edges 0.4 to 2.6 inches (1-6.6 cm) thick.
- **Grommet Mount:** Requires a surface hole with a diameter of 0.4 to 2 inches (1-5.1 cm) and a desk thickness of up to 2.8 inches (7.2 cm).

**0.4"-2.6"  
1-6.6 cm**



**0.4"-2"  
1-5.1 cm**  
 **$\leq 2.8"$**   
**7.2 cm**

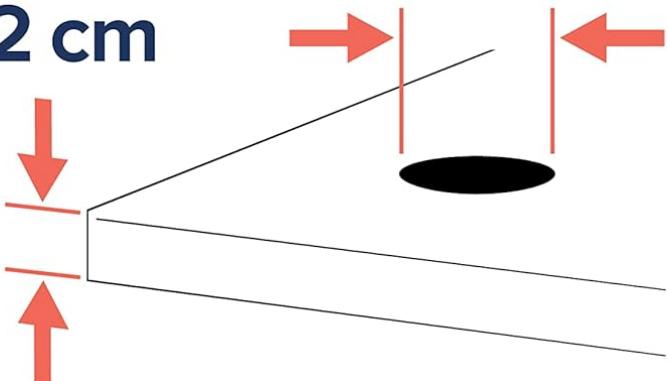


Figure 4.1: Desk clamp and grommet mount options with dimensions.

#### 4.2. Monitor Compatibility (VESA)

The monitor arm is compatible with VESA patterns 75x75mm and 100x100mm. It supports monitors up to 49 inches and weighing between 28 to 42 lbs (12.7 to 19.1 kg).

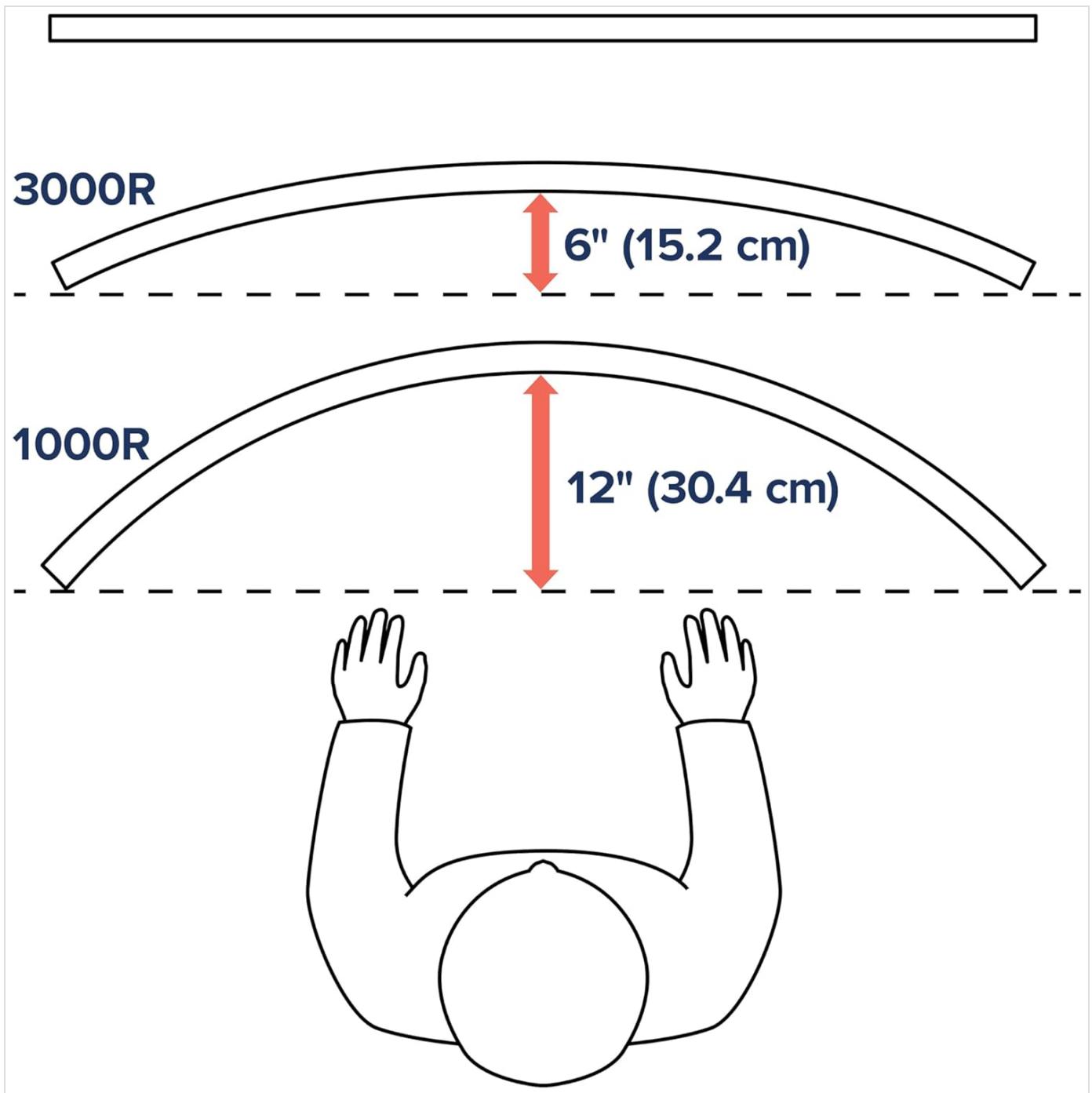


Figure 4.2: Compatibility with 1000R curved ultrawide monitors.

#### 4.3. Installation Steps

For detailed visual instructions, please refer to the official installation video below. The video demonstrates the process for mounting the HX Monitor Arm with HD Heavy-Duty Pivot, including VESA mount installation and tension adjustments.

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Video 4.1: How to Install the HX Monitor Arm with HD Heavy-Duty Pivot. This video provides a step-by-step guide for mounting the monitor arm, including attaching the VESA plate to the monitor, securing the arm to the desk, and making initial tension adjustments.

### 5. OPERATING INSTRUCTIONS

The Ergotron HX Monitor Arm is designed for fluid and effortless adjustments, allowing you to customize your viewing experience.

#### 5.1. Adjusting Monitor Position

The arm offers a full range of motion, including 11.5 inches of lift, allowing the screen to rise up to 17.8 inches from the worksurface. You can also rotate the monitor 360 degrees and tilt it 20 degrees to achieve optimal ergonomic positioning.

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Video 5.1: HX Monitor Arm with HD Pivot: Top Features & Benefits. This video highlights the key features and benefits of the monitor arm, demonstrating its smooth movement, tilt, and rotation capabilities for an enhanced user experience.



Figure 5.1: Ergonomic positioning with the Ergotron HX Monitor Arm.

## 5.2. Adjusting Arm Tension

If the arm does not hold its position or is too stiff to move, you may need to adjust the tension. Use the provided Allen wrench to turn the tension screw. Turn clockwise to increase tension (for heavier monitors) or counter-clockwise to decrease tension (for lighter monitors). Adjust gradually until the arm holds the monitor securely in any position with minimal effort.

## 5.3. Cable Management

The monitor arm features integrated cable management to keep your workspace tidy. Route monitor cables through the

designated channels along the arm to maintain a clean and organized setup.

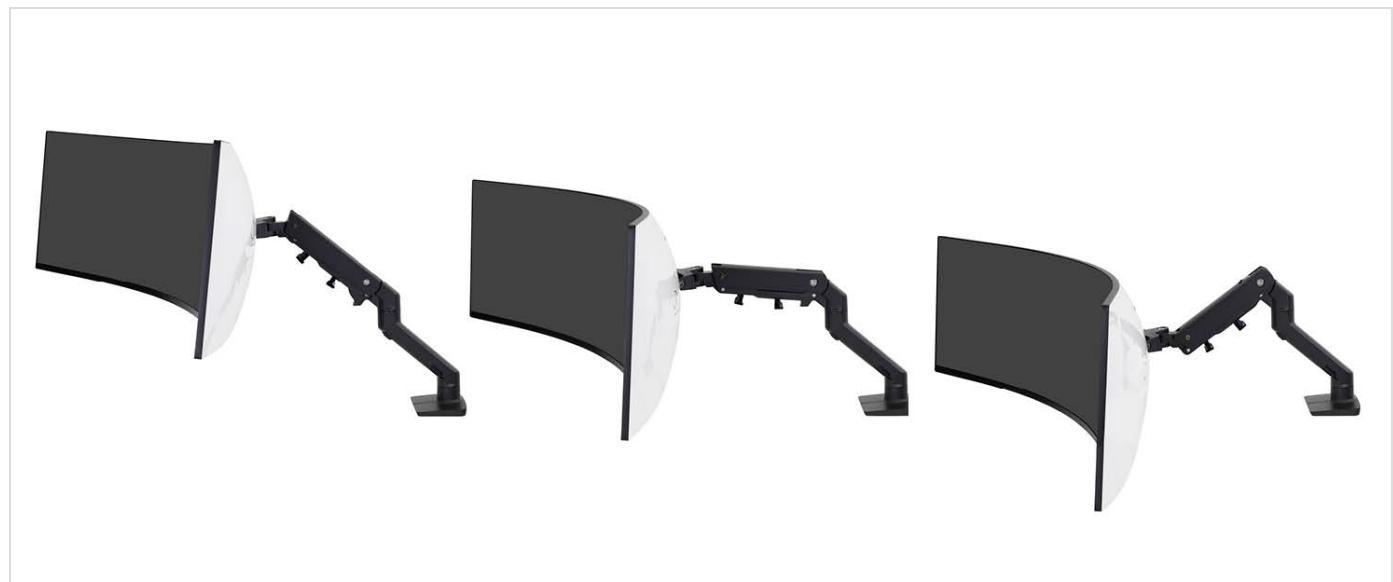


Figure 5.2: Integrated cable management system.

## 6. MAINTENANCE

To ensure the longevity and smooth operation of your Ergotron HX Monitor Arm, perform the following maintenance:

- **Cleaning:** Wipe down the arm with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Tension Check:** Periodically check the arm tension to ensure it is appropriate for your monitor's weight. Adjust as needed.
- **Fasteners:** Ensure all mounting hardware and fasteners are securely tightened. Do not overtighten.

## 7. TROUBLESHOOTING

If you encounter issues with your monitor arm, refer to the following common solutions:

- **Arm drifts down or up:** Adjust the arm tension using the provided Allen wrench. Increase tension if the arm drifts down, decrease if it springs up.
- **Monitor wobbles:** Ensure all mounting screws and the desk clamp/grommet mount are securely tightened. Check that the VESA plate is firmly attached to the monitor.
- **Difficulty moving the arm:** If the arm is too stiff, decrease the tension slightly. If it's too loose, increase the tension.

## 8. IMPORTANT SAFETY INFORMATION

- Do not exceed the maximum weight capacity of 42 lbs (19.1 kg).
- Ensure the mounting surface is strong enough to support the combined weight of the arm and monitor.
- Keep children and pets away from the monitor arm during installation and adjustment.
- Always use two people when lifting and mounting heavy monitors onto the arm.
- Read and follow all instructions carefully.

## 9. WARRANTY AND SUPPORT

Ergotron products are built to last and set the standard for quality. The Ergotron HX HD Premium Heavy Duty Gaming Monitor Arm comes with a **10-year warranty**. For technical support, warranty claims, or further assistance, please visit the

official Ergotron website or contact their customer service.

For more information and support, visit: [Ergotron Store on Amazon](#)

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