

ProtoArc EC100

ProtoArc EC100 Ergonomic Office Chair User Manual

Model: EC100 | Brand: ProtoArc

1. INTRODUCTION

Thank you for choosing the ProtoArc EC100 Ergonomic Office Chair. This manual provides essential information for the proper assembly, operation, maintenance, and troubleshooting of your new chair. Please read this manual thoroughly before assembly and retain it for future reference to ensure optimal performance and longevity of your product.

2. KEY FEATURES

Ergonomic Design & Support

The EC100 features an S-shaped dual-back design for exceptional lumbar support. Its adaptive lumbar support adjusts seamlessly to your body's movements, providing continuous lower back pressure reduction by up to 50%. The chair is designed to keep your spine aligned and posture correct, promoting a pain-free work experience.

Broad Curved Lumbar Support

Adjust Your Backrest for Perfect Comfort.



Image: Broad Curved Lumbar Support. This image highlights the chair's adaptive lumbar support system, designed to conform to the user's back for optimal comfort.

360° Even Pressure Technology Spring Cushion

Experience superior comfort with the exclusive patented spring pressure cushion technology. The seat cushion is 30% thicker than standard cushions and incorporates 20 independent springs. Its saddle-shaped design effectively disperses pressure on your hips, ensuring a softer, more evenly distributed seating experience for long periods.

Cloud-like Soft Spring Cushion

2-Year Seat Cushion Collapse-Free



Image: Cloud-like Soft Spring Cushion. This diagram illustrates the multi-layered construction of the seat cushion, emphasizing the 20 independent springs for enhanced comfort.

High-Rebound Breathable Mesh

The chair features high-rebound breathable mesh on the backrest and headrest, providing enhanced support and all-day breathability. This material prevents heat buildup, ensuring a comfortable and sweat-free experience even during extended use.

High-Rebound Breathable Mesh

Enhanced Support and All-Day Breathability



Image: High-Rebound Breathable Mesh. A detailed view of the mesh material, highlighting its texture and breathability for improved airflow.

Durability & Testing

The EC100 chair has endured over 100,000 extreme tests, demonstrating its robust construction and durability for over 5 years of use. This includes extensive testing for full chair tilt, backrest durability, armrest durability, caster durability, gas lift durability, and seat durability, ensuring long-lasting performance.

Endured 100,000 + Extreme Tests

Over 5 Years of Durability



300,000

Full Chair
Tilt Test

120,000

Backrest
Durability Test

60,000

Armrest
Durability Test

100,000

Caster
Durability Test

120,000

Gas Lift
Durability Test

100,000

Seat
Durability Test

Image: Endured 100,000+ Extreme Tests. This graphic showcases the rigorous testing the chair undergoes to ensure its long-term durability and reliability.

3. SETUP & ASSEMBLY

The ProtoArc EC100 chair is designed for straightforward assembly. All necessary tools and hardware are included in the package. For detailed, step-by-step instructions, please refer to the official User Manual PDF provided with your purchase or download it from the product page.

A general overview of assembly steps typically includes:

1. Unpacking all components and verifying against the parts list.
2. Attaching the casters to the chair base.
3. Inserting the gas lift cylinder into the base.
4. Assembling the seat and backrest components.
5. Attaching the assembled seat and backrest to the gas lift.
6. Installing the armrests and headrest.

Ensure all screws are tightened securely before use. It is recommended to have two people for assembly to ensure stability and ease of handling.



Image: Assembled Chair. This image shows the complete ProtoArc EC100 chair after successful assembly.

4. OPERATING YOUR CHAIR

The ProtoArc EC100 chair offers multiple adjustment options to customize your seating experience for optimal comfort and support.

- **Height Adjustment:** Use the lever located under the seat on the right side to adjust the chair's height. Pull the lever up to raise the chair, or pull it up while seated to lower it. The SGS-certified gas cylinder allows for a 3.9-inch adjustment range.
- **Headrest Adjustment:** The headrest can be rotated 60° and adjusted vertically by 2.75 inches. This allows users between 5.3 and 6.5 feet tall to find their ideal neck and head support position.
- **Armrest Adjustment:** The 2D armrests can be adjusted vertically by 3.5 inches. Press the button on the side of the armrest and slide it up or down to your desired height for varying working environments.
- **Tilt Mechanism:** The chair features a two-mode locking tilt mechanism. Use the lever under the seat to lock the backrest at 90° (upright for focus) or 130° (reclined for relaxation). Push the lever in to lock and pull out to unlock.
- **Adaptive Lumbar Support:** The independent adaptive lumbar support automatically adjusts to your back's movements. This feature is designed to provide continuous support without manual adjustment.

Adjustable Headrest

2.7" Vertical and 60° Rotational Adjustment



Image: Adjustable Headrest. Illustrates the 60° rotational and 2.7-inch vertical adjustment capabilities of the headrest.

From 90° Focus to 130° Relax

Adjust Your Backrest for Perfect Comfort.



Empower

90°



Comfort

130°

Image: From 90° Focus to 130° Relax. Demonstrates the two primary tilt locking positions for work and leisure.

5. MAINTENANCE

Regular maintenance will help prolong the life and appearance of your ProtoArc EC100 chair.

- **Cleaning:** For general cleaning, wipe the mesh and fabric surfaces with a soft, damp cloth. Avoid using harsh chemicals, abrasive cleaners, or solvents, as these can damage the materials.

- **Inspection:** Periodically check all bolts and screws to ensure they are tight. Re-tighten if necessary to maintain stability and prevent squeaking.
- **Casters:** Keep the casters clean from hair and debris to ensure smooth movement.
- **Avoid Overloading:** Do not exceed the maximum weight recommendation of 280 pounds.

6. TROUBLESHOOTING

If you encounter any issues with your ProtoArc EC100 chair, please refer to the following common solutions:

- **Chair Squeaks:** Check all assembly bolts and screws and tighten them. A small amount of silicone lubricant can be applied to moving parts if the squeaking persists.
- **Chair Feels Unstable:** Ensure all connections are securely fastened. Re-check the assembly steps, particularly the attachment of the base and gas lift.
- **Seat Cushion Feels Hard:** The spring cushion may require a break-in period of about a week to fully adapt and soften. Continued use should improve comfort.
- **Headrest Not Adjusting Properly:** Verify that no obstructions are preventing movement. Ensure the adjustment mechanism is clean and free of debris.

If the problem persists after attempting these solutions, please contact ProtoArc customer support for further assistance.

7. SPECIFICATIONS

| Feature | Detail |
|-------------------------------|--|
| Brand | ProtoArc |
| Model Name | EC100 |
| Color | Grey |
| Product Dimensions | 20"D x 20"W x 44"H |
| Recommended User Size | 5.3 - 6.5 feet tall / 90-280 pounds |
| Maximum Weight Recommendation | 280 Pounds |
| Special Features | Adjustable Height, Adjustable Headrest, Ergonomic, Arm Rest, Adjustable Backrest |
| Back Style | Split Back |
| Tilting | Yes (90° and 130° lockable) |
| Fill Material | Sponge |
| Item Weight | 35.2 pounds |
| Date First Available | June 11, 2024 |

Spacious Ergonomic chair

5.3-6.5ft & 90-260lbs Ideal


| | | | | | |
|--------|---|------------|-------------|-------------|-------------|
| Height |  | 5.3-5.7ft | 5.7-5.11ft | 5.11-6.1ft | 6.1-6.5ft |
| Weight |  | 90-260 lbs | 120-260 lbs | 135-240 lbs | 150-230 lbs |



Image: Spacious Ergonomic Chair. This image provides a visual representation of the chair's dimensions and recommended user size ranges.






8. WARRANTY & SUPPORT

ProtoArc is committed to providing high-quality products and customer satisfaction. For specific warranty details regarding your EC100 chair, please refer to the warranty information included with your purchase or visit the official ProtoArc website. If you require technical support, have questions about assembly, or need assistance with any product-related issues, please

contact ProtoArc customer service. Contact information can typically be found on the ProtoArc website or in your product packaging.

You can also refer to the official User Manual PDF for additional information:[ProtoArc EC100 User Manual \(PDF\)](#)

Related Documents - EC100

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|---|--|
|  | <p>ProtoArc ErgoChair 100: Ergonomic Office Chair User Manual</p> <p>Comprehensive user manual for the ProtoArc ErgoChair 100, detailing assembly, features, adjustments, and maintenance for optimal ergonomic comfort and support.</p> |
|  | <p>ProtoArc LP Butterfly Ergonomic Lumbar Pillow User Manual</p> <p>User manual for the ProtoArc LP Butterfly Ergonomic Lumbar Pillow, detailing product overview, usage guidelines, adjustment tips, customer support, and safety precautions. Designed to enhance sitting comfort and provide lumbar support for home, office, and travel.</p> |
|  | <p>ProtoArc ComfortX LC U-shaped Ergonomic Lumbar Support Pillow - User Guide</p> <p>Detailed information on the ProtoArc ComfortX LC U-shaped Ergonomic Lumbar Support Pillow, including materials, washing instructions, warnings, package contents, and contact details. Enhance your comfort with this butterfly lumbar pillow.</p> |
|  | <p>ProtoArc ErgoChair 100 User Manual: Assembly and Adjustments</p> <p>Comprehensive user manual for the ProtoArc ErgoChair 100 ergonomic office chair, covering component identification, assembly instructions, adjustment guides, and warranty information.</p> |
|  | <p>ProtoArc SC Butterfly Ergonomic Seat Cushion User Manual</p> <p>User manual for the ProtoArc SC Butterfly Ergonomic Seat Cushion, providing product overview, safety precautions, usage guidelines, and customer support information.</p> |



[ProtoArc ComfortX SC U-Shaped Ergonomic Seat Cushion - Butterfly Pattern](#)

Discover the ProtoArc ComfortX SC U-Shaped Ergonomic Seat Cushion, featuring a butterfly pattern. This guide details its memory foam filling, durable fabrics, washing instructions, and package contents for optimal comfort and support.