

Antar AT52302

Antar AT52302 Wheelchair User Manual

Model: AT52302

1. PRODUCT OVERVIEW

The Antar AT52302 wheelchair is designed to provide mobility assistance for individuals with walking difficulties or disabilities. It is suitable for both indoor and outdoor environments. This wheelchair features extensive adjustment capabilities to enhance user comfort and adaptability, ensuring a personalized fit and optimal support.

The design prioritizes user comfort and ease of use, making it a reliable aid for daily activities. Its robust construction ensures durability and stability.

2. SAFETY INFORMATION

Please read all safety instructions carefully before using the wheelchair. Failure to follow these instructions may result in injury or damage to the product.

- **Maximum User Weight:** Do not exceed the maximum user weight of **120 kg**.
- **Brakes:** Always engage the parking brakes when transferring in or out of the wheelchair, or when stationary. Ensure brakes are functioning correctly before each use.
- **Stability:** Avoid leaning excessively to one side or reaching too far forward, as this may cause the wheelchair to tip. Always maintain a balanced posture.
- **Slopes and Ramps:** Exercise extreme caution on slopes and ramps. Always have an attendant assist on steep inclines or declines.
- **Obstacles:** Be aware of obstacles such as curbs, uneven surfaces, and small steps. Approach them carefully and with assistance if necessary.
- **Maintenance:** Regularly inspect the wheelchair for any signs of wear, damage, or loose components. Refer to the Maintenance section for details.
- **ISO Compliance:** This wheelchair meets the performance requirements according to ISO 7176-19:2008 standards.

3. SETUP AND ADJUSTMENTS

The Antar AT52302 wheelchair offers multiple adjustment points to customize it for individual user needs. Perform these adjustments before initial use and whenever a change in user or comfort is required.



Figure 1: Front-low view of the wheelchair, highlighting the footrests and frame.

This image shows the front lower section of the Antar AT52302 wheelchair, focusing on the footrests and the robust aluminum frame. The footrests are visible in their adjustable positions, and the cross-brace design of the frame is clearly depicted, indicating structural support.

1. Seat Height Adjustment (Front & Rear):

- The rear seat height can be adjusted in 6 different positions.
- The front seat height is adjustable in 4 levels (1 cm increments).
- Adjusting both front and rear seat heights allows for modification of the seat angle to suit user preference and comfort.

2. Seat Depth Adjustment: The seat depth can be adjusted in five different positions to accommodate various leg lengths and provide optimal thigh support.

3. Footrest Length Adjustment: Adjust the length of the footrests to ensure proper leg positioning and comfort.

4. Footrest Angle Adjustment: The footrests are also angle-adjustable, allowing for further customization of leg and foot support.

5. Drive Wheel Position Adjustment: To increase or modify stability, the drive wheels can be adjusted backward. This adjustment influences the wheelchair's center of gravity and overall stability.

6. Backrest Tension Adjustment: The backrest tension can be adjusted using Velcro fasteners, allowing it to be set tighter or slightly looser for personalized back support.

Always ensure all adjustments are securely locked in place before using the wheelchair.

4. OPERATING INSTRUCTIONS

This section provides guidance on the general operation of your Antar AT52302 wheelchair.



Figure 2: Rear view of the Antar AT52302 wheelchair.

This image displays the rear of the Antar AT52302 wheelchair, showcasing the black backrest with the Antar logo, the push handles for an attendant, and the large pneumatic rear wheels. The overall sturdy construction from the back perspective is evident.

1. Engaging/Disengaging Brakes:

- The wheelchair is equipped with lever brakes (push-to-lock style).
- To engage the brakes, push the brake levers forward until they lock into place against the tires.
- To disengage, pull the brake levers backward.
- Always ensure both brakes are fully engaged when the wheelchair is stationary.

2. Propelling the Wheelchair:

- For self-propulsion, grasp the handrims on the large rear wheels and push forward.
- For attendant propulsion, use the push handles located at the top of the backrest.

3. Transfers: Always engage the parking brakes before attempting to transfer in or out of the wheelchair. Ensure the transfer surface is stable and at an appropriate height.

4. Navigating Obstacles: When encountering small obstacles, it may be necessary to tilt the wheelchair slightly backward to lift the front wheels over the obstacle. Always do this with caution and, if possible, with assistance.

5. MAINTENANCE

Regular maintenance is crucial for the safe and efficient operation of your wheelchair. Perform these checks periodically.

- **Cleaning:** Clean the frame and upholstery regularly with a mild soap and water solution. Avoid abrasive cleaners.
- **Tires:** Check the pneumatic tires for proper inflation pressure. Refer to the tire sidewall for recommended pressure.

Inspect for punctures or excessive wear.

- **Brakes:** Test the brakes regularly to ensure they engage firmly and hold the wheels securely. Adjust if necessary, or consult a qualified technician.
- **Fasteners:** Periodically check all nuts, bolts, and screws for tightness. Tighten any loose fasteners.
- **Moving Parts:** Ensure all moving parts, such as wheel axles and folding mechanisms, operate smoothly. Lubricate as recommended by a technician if needed.
- **Upholstery:** Inspect the seat and backrest upholstery for tears or damage.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your wheelchair. For problems not listed here, or if solutions do not resolve the issue, contact your service provider.

- **Wheelchair is difficult to propel:**
 - Check tire pressure; inflate if necessary.
 - Ensure brakes are fully disengaged.
 - Inspect wheels for debris or obstructions.
- **Brakes do not hold securely:**
 - Ensure brake levers are fully engaged.
 - Check for worn brake pads or misaligned brake mechanisms. Adjustment or replacement may be needed by a qualified technician.
- **Wheelchair feels unstable:**
 - Verify all frame components and fasteners are tight.
 - Check if the drive wheel position is correctly adjusted for stability.
 - Ensure the user's weight is within the specified limit.

7. SPECIFICATIONS

Feature	Specification
Product Name	Wheelchair
Model Number	AT52302
Brand	Antar
Material	Aluminum
Color	Black
Empty Weight	15.8 kg (34.8 lbs)
Maximum User Weight	120 kg (264.5 lbs)
Seat Width Options	41, 43, 46, 49 cm
Adjustable Seat Depth	42, 44.5, 47, 49.5, 52 cm
Adjustable Backrest Height	52.5, 54.5, 57, 59.5, 62 cm
Backrest Angle	8 degrees
Seat Height	47 to 51 cm
Seat Angle	3.5 degrees

Feature	Specification
Overall Width Options	80, 82.5, 85, 87.5, 90, 92.5 cm
Rear Wheel Size	24 x 1 3/8" (Pneumatic)
Front Wheel Size	8 x 2" (20 x 5 cm) (Pneumatic)
Brake Style	Lever brake (push-to-lock)
Power Source	Manual
Turning Radius	92.5 cm
Product Dimensions (L x W x H)	25 x 81 x 76 cm
Country of Origin	Poland

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support, spare parts, or service, please reach out to your authorized Antar dealer or the manufacturer directly.

Keep your purchase receipt and model number (AT52302) readily available when contacting support.