Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Drive Medical TR18

Drive Medical TR18 Poly-Fly Wheelchair/Transport Chair Combo Instruction Manual

Model: TR18

Introduction

The Drive Medical TR18 Poly-Fly is a versatile mobility device designed to function as both a self-propelled manual wheelchair and an attendant-propelled transport chair. Its lightweight aluminum frame and convertible design offer flexibility for various user needs and travel situations. This manual provides essential information for the safe and effective setup, operation, and maintenance of your Poly-Fly chair.

Safety Information

- Always engage wheel locks before transferring in or out of the chair.
- Ensure all components are securely fastened before use.
- Do not exceed the maximum weight capacity of 250 lbs.
- Use anti-tippers to prevent backward tipping, especially when converting or on inclines.
- Always have an attendant present when using the chair in transport mode.
- Avoid sudden movements or changes in direction at high speeds.
- Regularly inspect the chair for any signs of wear, damage, or loose parts.

Setup and Assembly

Unfolding the Chair

1. Place the folded chair on a flat, stable surface.
2. Push down on the seat rails until the chair is fully open and the seat fabric is taut.
3. Ensure the backrest is upright and locked into position.

Attaching Footrests

1. Align the footrest hangers with the receiver brackets on the front of the chair frame.
2. Insert the footrest pins into the brackets and swing the footrests inward until they lock into place.
3. Adjust the footrest length by pressing the release button and sliding the footrest tube to the desired height. Ensure both footrests are at an equal height.

Converting Between Wheelchair and Transport Chair Modes

The Poly-Fly chair can be easily converted between a self-propelled wheelchair and an attendant-propelled transport chair by attaching or removing the large 24-inch rear wheels.

To Attach 24-inch Wheels (Wheelchair Mode):

1. Ensure the smaller transport wheels are securely in place.
2. Locate the quick-release button on the hub of each 24-inch wheel.
3. Press and hold the quick-release button while inserting the wheel axle into the axle receiver on the chair frame.
4. Release the button and pull gently on the wheel to ensure it is securely locked. Repeat for the other wheel.

To Remove 24-inch Wheels (Transport Chair Mode):

1. Engage the wheel locks on the 24-inch wheels.
2. Press and hold the quick-release button on the hub of each 24-inch wheel.
3. Pull the wheel straight out from the axle receiver. Repeat for the other wheel.
4. The chair will now function as a transport chair using its smaller rear wheels.



Image: The Drive Medical TR18 Poly-Fly Wheelchair/Transport Chair Combo in wheelchair configuration, showing the large rear wheels and footrests.



Image: Side view of the TR18 Poly-Fly chair, highlighting the frame, seat, armrests, and wheel assembly.



Image: Rear view of the TR18 Poly-Fly chair, showing the backrest, push handles, and anti-tippers.

Operating Instructions

Using as a Self-Propelled Wheelchair

- Ensure the 24-inch quick-release wheels are securely attached.
- To move, grasp the handrims and push forward. To turn, push harder on one handrim than the other.
- To stop, gently apply pressure to both handrims.
- To engage the wheel locks, push the lock levers forward until they click into place against the tires. Ensure the chair is stationary before transferring.

Using as an Attendant-Propelled Transport Chair

- Ensure the 24-inch quick-release wheels are removed for lighter weight and easier maneuverability, or if preferred, they can remain attached.
- An attendant must push the chair using the handles at the rear of the backrest.
- To navigate curbs or small obstacles, the attendant can use the anti-tippers to tilt the chair slightly backward, lifting the front casters.
- To engage the transport chair wheel locks, push the lock levers down until they click into place.

Folding for Storage or Transport

1. Remove the footrests by swinging them outward and lifting them off the receiver brackets.
2. Fold the backrest down by pulling the release levers on the backrest uprights.
3. Grasp the center of the seat fabric and pull upwards to collapse the chair frame.
4. For maximum compactness, remove the 24-inch quick-release wheels if in wheelchair mode.



Image: The TR18 Poly-Fly chair in its folded state, demonstrating its compact design for storage and transport.





Image: Top-down view of the TR18 Poly-Fly chair when folded, showing its narrow profile.

Maintenance

- **Cleaning:** Wipe down the frame and seat fabric with a damp cloth and mild soap. Avoid abrasive cleaners.
- **Wheel Inspection:** Regularly check all wheels for wear, damage, and proper inflation (if applicable). Ensure quick-release axles are clean and functioning smoothly.
- **Brake Check:** Test both sets of wheel locks frequently to ensure they engage firmly and hold the chair securely. Adjust if necessary (refer to troubleshooting).

- **Fasteners:** Periodically check all nuts, bolts, and screws for tightness. Do not overtighten.
- **Storage:** Store the chair in a dry, clean environment away from extreme temperatures.

Troubleshooting

- **Brakes Not Holding:** If wheel locks do not engage properly, they may need adjustment. Consult a qualified technician or refer to the detailed adjustment instructions in the full product manual. Typically, this involves adjusting the brake mechanism to ensure proper contact with the wheel.
- **Footrests Slipping:** Ensure the footrest length adjustment pins are fully engaged. If the user's feet frequently slip off the footrests, consider adding aftermarket calf support pads if compatible with the chair design.
- **Difficulty Folding/Unfolding:** Check for any obstructions or debris in the folding mechanism. Ensure the seat fabric is not caught. Lubricate moving parts with a silicone-based spray if stiffness persists.
- **Unusual Noises:** Squeaks or rattles may indicate loose fasteners or parts needing lubrication. Inspect the frame and wheel assemblies.

Specifications

Feature	Specification
Model Number	TR18
Overall Length	42 inches
Overall Width	26.5 inches
Overall Height	37 inches
Closed Width	12 inches
Seat Dimensions (W x D)	18 inches x 16 inches
Seat Height	19.5 inches
Weight Capacity	250 lbs
Chair Weight (with large wheels)	Approximately 34 lbs
Chair Weight (without large wheels)	Approximately 21 lbs
Caster Size	8 inches
Frame Material	Aluminum



Image: Diagram showing the key dimensions of the TR18 Poly-Fly Wheelchair, including length, width, and height.

Warranty and Support

The Drive Medical TR18 Poly-Fly Wheelchair/Transport Chair Combo is backed by a limited lifetime warranty from Drive Medical. For specific warranty details, claims, or technical support, please refer to the official Drive Medical website or contact their customer service department. Always provide your model number (TR18) when seeking support.

© 2026 Drive Medical. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B002VWK49M

More documents and user manuals: **https://manuals.plus/**