

Ironton 3394404

Ironton Adjustable Push Trolley Instruction Manual

Model: 3394404 | Brand: Ironton

INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Ironton Adjustable Push Trolley, Model 3394404. This high-quality push trolley is designed for use on I-beams ranging from 3 inches to 8 inches in width and has a maximum capacity of 2200 pounds. It can be installed or removed at any point along a straight or curved track and meets ANSI/ASME B30.11 standards. Please read this manual thoroughly before use to ensure proper handling and to prevent injury or damage.

SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in serious injury or death.

- Always read and understand the entire instruction manual before operating the trolley.
- Do not exceed the rated load capacity of 2200 pounds (1 ton). Overloading can cause equipment failure and severe injury.
- Ensure the I-beam is structurally sound and capable of supporting the trolley and its maximum load.
- Inspect the trolley for any damage, wear, or loose components before each use. Do not use if damaged.
- Ensure all nuts, bolts, and cotter pins are securely fastened before operation.
- Keep hands and feet clear of moving parts and suspended loads.
- Operate the trolley smoothly and avoid sudden jerks or impacts.
- Do not use the trolley for lifting people or as a personnel carrier.
- Maintain a clear working area around the trolley and load.
- Wear appropriate personal protective equipment (PPE), including safety gloves and eye protection.

PRODUCT COMPONENTS

The Ironton Adjustable Push Trolley consists of the following main components:

- Trolley Side Plates (2) with wheels
- Axles (2)
- Spacers (various sizes for beam width adjustment)
- Hex Nuts (4)
- Cotter Pins (2)
- Load Hook Attachment Point



Image: Exploded view of the Ironton Adjustable Push Trolley showing all individual components including side plates, axles, spacers, nuts, and cotter pins.

SETUP AND INSTALLATION

Follow these steps to properly install your Ironton Adjustable Push Trolley onto an I-beam:

1. **Prepare the Trolley:** The trolley comes partially assembled. You will need to adjust the width to match your I-beam.
2. **Determine Beam Width:** Measure the width of your I-beam. The trolley is designed to fit I-beams from 3 inches to 8 inches wide.
3. **Adjust Spacers:** To adjust the trolley width, remove the cotter pin from one of the axles. Slide off the hex nut and then the side plate. Arrange the appropriate number of spacers on each axle to match your I-beam width. The goal is to have the trolley wheels fit snugly but freely on the I-beam flange, with minimal side-to-side play. Ensure an equal number of spacers are placed on both sides of each axle to maintain balance.
4. **Reassemble and Secure:** Once the correct spacer configuration is achieved, reattach the side plate, hex nut, and cotter pin. Ensure the cotter pin is fully inserted and bent to prevent the nut from loosening. Repeat for the

other axle if necessary.

5. **Install on I-Beam:** Carefully lift the trolley and place it onto the I-beam, ensuring the wheels rest on the horizontal flanges.
6. **Test Movement:** Gently push the trolley along the I-beam to ensure it moves freely and smoothly without binding. If it binds, re-check the spacer configuration.



Image: A close-up view of the Ironton Push Trolley highlighting the cotter pin and the adjustable spacer mechanism for fitting various I-beam widths.



WIDE I-BEAM COMPATIBILITY

FITS I-BEAMS FROM 3IN.-8IN.W

Image: The Ironton Push Trolley shown installed on an I-beam, illustrating its compatibility with a wide range of beam widths.

OPERATING INSTRUCTIONS

Once the trolley is securely installed on the I-beam, follow these guidelines for safe operation:

- **Attach Hoist/Load:** Connect your hoist or lifting device to the load hook attachment point on the trolley. Ensure the connection is secure and rated for the load.
- **Load Distribution:** Always center the load directly under the trolley's attachment point to ensure even weight distribution and prevent tipping.
- **Movement:** To move the trolley, apply a steady, even push or pull to the load or the trolley itself. Avoid sudden, forceful movements that could cause the load to swing or the trolley to derail.
- **Clear Path:** Ensure the path along the I-beam is clear of obstructions before moving the trolley.
- **Curved Tracks:** The trolley is designed for use on both straight and curved tracks. When navigating curves, reduce speed and apply force smoothly to prevent excessive swinging of the load.
- **Stopping:** Bring the trolley to a gentle stop. Do not allow the load to swing freely after stopping.



FLEXIBLE PLACEMENT

INSTALLS OR REMOVES AT ANY POINT
ALONG A STRAIGHT OR CURVED TRACK

Image: The Ironton Push Trolley with a chain hoist attached, positioned on an I-beam, illustrating its flexible placement capability along the track.

MAINTENANCE

Regular maintenance is crucial for the safe and long-lasting performance of your Ironton Push Trolley.

- **Pre-Use Inspection:** Before each use, visually inspect the trolley for any signs of wear, damage, cracks, or deformation on the side plates, wheels, axles, and attachment points. Check for loose nuts or missing cotter pins.
- **Wheel Inspection:** Ensure the wheels rotate freely and smoothly. Check for flat spots, chips, or excessive wear on the wheel treads.
- **Lubrication:** Periodically lubricate the wheel bearings and axle points with a suitable grease to ensure smooth operation and reduce wear. Frequency depends on usage and environmental conditions.
- **Cleaning:** Keep the trolley clean and free of dirt, debris, and corrosive materials. Wipe down metal surfaces as needed.
- **Storage:** When not in use, store the trolley in a dry, clean environment to prevent rust and corrosion.

- **Damaged Parts:** Do not attempt to repair damaged components. Replace any worn or damaged parts with genuine Ironton replacement parts.

TROUBLESHOOTING

If you encounter issues with your Ironton Push Trolley, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Trolley binds or does not move smoothly	<ul style="list-style-type: none"> Incorrect spacer adjustment Dirty or damaged wheels/bearings I-beam obstruction or damage 	<ul style="list-style-type: none"> Adjust spacers to fit beam width correctly. Clean and lubricate wheels/bearings; replace if damaged. Inspect I-beam for obstructions or damage.
Unusual noise during operation	<ul style="list-style-type: none"> Lack of lubrication Worn or damaged bearings/wheels Loose components 	<ul style="list-style-type: none"> Lubricate wheel bearings. Inspect and replace worn parts. Tighten all nuts and check cotter pins.
Trolley wobbles or feels unstable	<ul style="list-style-type: none"> Uneven spacer adjustment Loose axles or side plates Damaged I-beam 	<ul style="list-style-type: none"> Ensure equal spacers on both sides and correct beam fit. Tighten all fasteners. Inspect I-beam for structural integrity.

SPECIFICATIONS

- **Brand:** Ironton
- **Model Number:** 3394404
- **Item Weight:** 17.3 pounds
- **Package Dimensions:** 14 x 8 x 5.5 inches
- **I-Beam Width Compatibility:** 3 inches to 8 inches
- **Load Capacity:** 2200 pounds (1 ton)
- **Standard Compliance:** Meets ANSI/ASME B30.11 standard
- **Date First Available:** July 27, 2018

WARRANTY INFORMATION

Ironton products are manufactured to high-quality standards. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official Ironton website. Keep your purchase receipt as proof of purchase for any warranty claims.

CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to order replacement parts, please contact Ironton customer support. Contact information can typically be found on the product packaging, the official Ironton website,

or through your retailer.

For online resources, visit: [Ironton Store on Amazon](#)