



LS-WU-DRHDR INSTRUCTIONS

Thank you for choosing Impact.

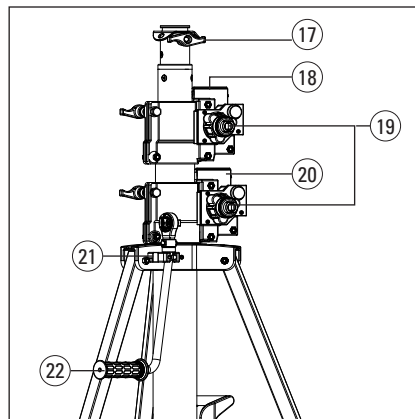
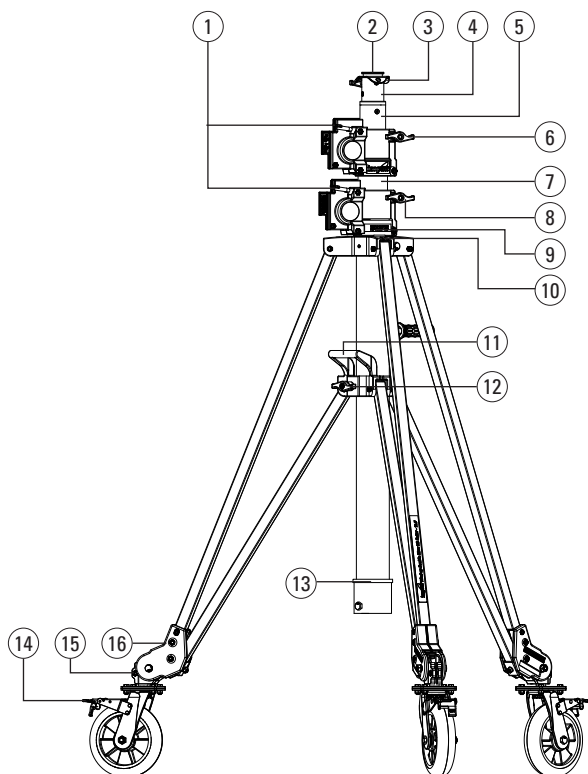
The Impact Windup Double-Riser Heavy-Duty Roller Stand will support large lights, booms, or accessories that weigh up to 168 pounds and hold them securely at up to 11.5 feet. The integrated gear box and a host of safety features let one person safely and easily hoist heavy gear with the included ratchet handle, even when the stand is supporting its maximum load.

Features include an auto-lock safety pin system that prevents the risers from accidentally descending and geared casters that remain on the floor whether the legs are opened or closed for easy storage and transport. The stand boasts a 7.5-foot maximum base diameter, ultra-thick risers, and robust aluminum spider casting that will support heavy loads without wobbling or swaying.

Precautions

- It's recommended that more than one person set up, break down, transport, and mount heavy gear on the stand.
- Always spread the legs to their greatest width, with the leg struts parallel to the floor.
- Make sure the casters are securely mounted and vertical before use.
- Keep fingers clear of the risers and gear boxes when raising and lowering the stand.
- A tie-down kit is recommended when using the stand in windy conditions.
- Please read and follow these instructions, and keep this manual in a safe place.
- Make sure that this product is intact and that there are no missing parts.
- Do not exceed the maximum load capacity.
- All images are for illustrative purposes only.

Overview



1. Auto-lock release lever
2. 1 1/8 in. junior receiver
3. Tie-down collar
4. 2nd riser
5. Auto-lock slots
6. 2nd riser locking knob
7. 1st riser
8. 1st riser locking knob
9. Upper riser
10. Bubble level
11. Lower spider handle
12. Lower spider locking knob
13. Lower spider casting stop
14. Caster
15. Caster locking hex bolt
16. Caster receiver
17. Receiver locking knob
18. Upper riser gear box
19. Ratchet handle drive
20. Lower riser gear box
21. Ratchet handle
22. Ratchet handle holder

Contents Include

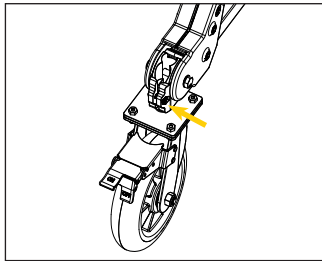
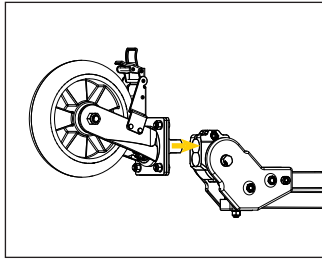
- Stand
- Ratchet handle
- 8 in. dual-action casters (x3)
- M6 hex key

Attaching the Casters

Important! Attach the casters before using the stand.

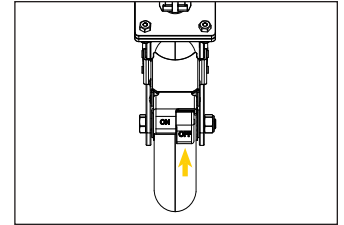
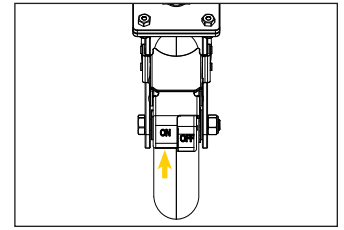
1. Place the stand on its side.
2. Lock the caster so it won't rotate during installation.
3. Slide the wheel stud into the caster receiver.
4. Tighten the hex nut with the included M6 hex key.

Note: When properly tightened, the caster stud should not rotate.



Locking the Casters

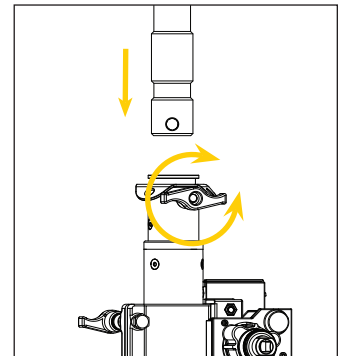
1. Step on the left **On** side to lock the wheels.
2. Step on the right **Off** side to unlock the wheels.



Mounting a Light Fixture

When mounting a light fixture, first lower the stand to its minimum height.

1. Loosen the junior receiver's locking knob. Unscrew it enough so the locking knob's bolt does not obstruct the receiver.
2. Lift the light fixture and insert the junior pin into the stand's junior receiver.



Important! For large light fixtures, two people should lift and mount the light into the junior receiver.

3. Make sure the light is fully seated in the junior receiver and tighten the locking knob until secure.

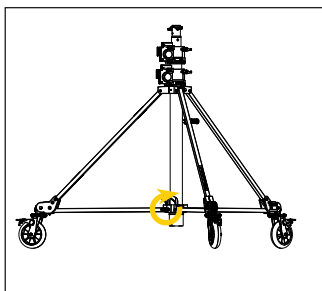
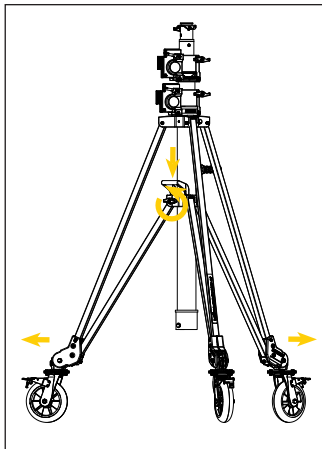
Raising and Adjusting the Height

Both risers are equipped with gear boxes with an auto-lock system and locking slots that span the length of the risers. As you raise a riser, a security pin clicks into each slot to prevent it from accidentally descending.

The risers are individually driven, so each riser height is manually adjusted from the gear boxes with the ratchet handle.

Opening the Stand

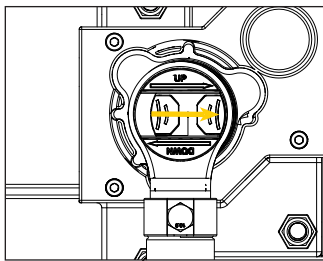
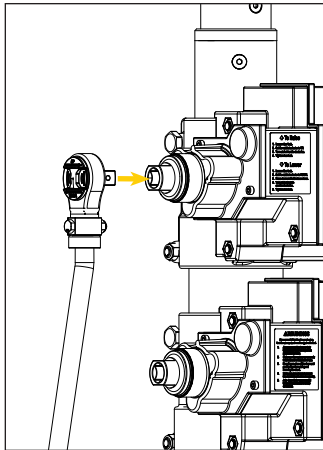
1. Make sure you have adequate space to accommodate the stand's footprint diameter.
2. Place the stand upright on its casters and make sure the casters are unlocked.
3. Loosen the spider locking knob.
4. Press down on the lower spider handle to spread the legs a few inches. When the legs are spread, the casters will roll outward and the base spider will drop until it hits the blue stop and the leg struts are parallel to the floor.
5. Tighten the spider locking knob until secure.



Raising the Stand

Note: When raising the stand, start with the uppermost riser.

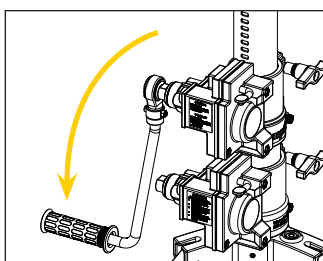
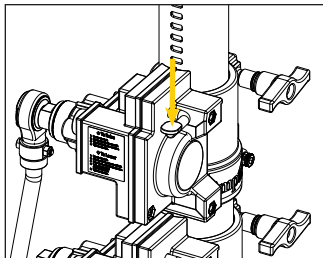
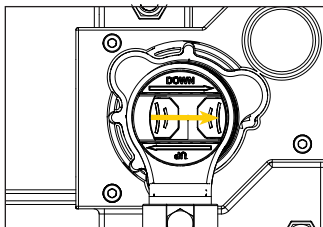
1. Attach the ratchet handle to the appropriate gear box by pressing it onto the square hole in the gear drive.
2. Loosen the 2nd riser lock.
3. Set the ratchet selector to **UP**.
4. Turn the ratchet handle clockwise. When you raise the riser, the release lever will click as the auto-lock pin engages into each slot and prevents it from descending.
5. Tighten the 2nd riser lock.



Lowering the Stand

Important! When lowering the stand, make sure hands and fingers are clear of the risers and gear boxes. There should be no need to physically hold onto the stand while it's being lowered.

1. Loosen the riser lock.
2. Attach the ratchet handle and set the selector to **DOWN**.
3. Press down and hold the release lever.
4. Turn the ratchet handle clockwise.
5. Tighten the riser lock.



Securing the Stand

Securing the stand with a tie-down kit (available separately) is recommended when using the stand in windy conditions or on an uneven surface.

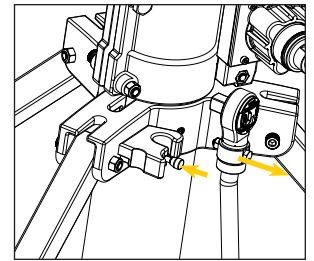
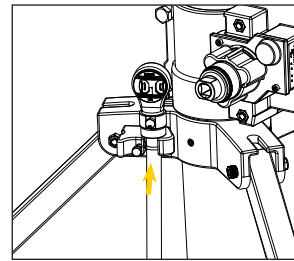
1. Attach cables or ropes to the stand's 3-hole tie-down collar.
2. Secure the ropes or straps to the ground with anchor points or stakes.

Storing the Ratchet Handle

The ratchet handle holder keeps the handle close by for quick height adjustments and for safekeeping on a busy set.

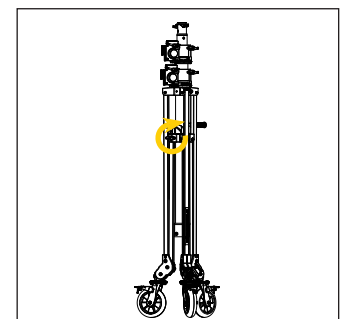
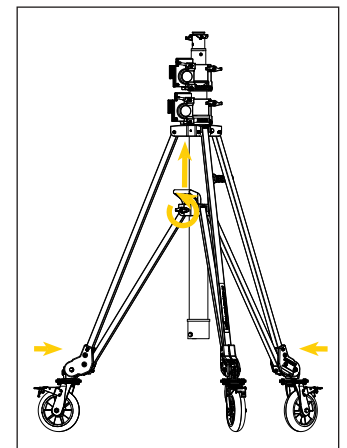
To store, press the ratchet handle into the holder until it snaps into place.

To remove, press the brass release button and pull the handle out of the holder.



Closing the Stand

1. Loosen the lower spider locking knob.
2. Grip the lower spider handle and lift it up. The casters will roll inward as the spider folds up.
3. When the legs and struts are parallel to the main (vertical) column, tighten the spider lock.



Important! The casters are geared so they constantly remain on the floor as the stand is opening or closing. When moving the stand in its closed position, make sure to hold onto it at all times. Be sure to maintain the stand's balance and to keep it upright and standing on the casters while it's rolling.

Specifications

Max Working Height	11.5 ft. (352.4 cm)
Min Working Height	5.3 ft. (161.5 cm)
Load Capacity	168.3 lb. (76.2 kg) at max height
Top Mount	1 1/8 in. (28.6 mm) receiver
Riser Diameter	3.5, 3.1, 2.75 in. (90, 80, 70 mm)
Leg Dimensions	1.2 × 1.2 in. (30 × 30 mm)
Max. Footprint Diameter	7.5 ft. (228.6 cm)
Closed Length (with casters)	6.55 ft. (199.5 cm)
Air Cushioned	No
Detachable Base	No
Reverse Legs	No
Leveling Leg	No
Wheels	8 in. (20.3 cm) treaded
Finish	Chrome and aluminum
Material	Steel and aluminum
Weight	110 lb. (50 kg)

One-Year Limited Warranty

This Impact product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Impact Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Impact along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.impactstudiolighting.com or call Customer Service at 212-594-2353.



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www.gradusgroup.com

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