

# Mini Excavator Quick Hitch User Manual



Read Carefully Before Use  
Keep for Future Reference

## Contact Us

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# Safety Information

## Symbol Guide

The following symbols and safety signal words are used in this manual. **DO** obey the accompanying messages to avoid possible injury or death.

 <b>Danger</b>	<p>Indicates an imminently hazardous situation which, if not avoided, <b>WILL</b> result in death or serious injury.</p>
 <b>Warning</b>	<p>Indicates a potentially hazardous situation which, if not avoided, <b>COULD</b> result in death or serious injury.</p>
 <b>Caution</b>	<p>Indicates a potentially hazardous situation which, if not avoided, <b>MAY</b> result in minor or moderate injury. It may also be used to alert against unsafe practices.</p>
<b>Note</b>	<p>Indicates practices or situations which may result in the malfunction of, or damage to equipment.</p>

## General Safety

### **Danger**

- **ALWAYS** follow federal, state, and local laws, codes, and regulations concerning the use of construction machinery.
- Follow all other applicable instructions and precautions as stated in your excavator's manual.
- Read this manual before actually attaching this hydraulic quick hitch to your compatible excavator. Familiarize yourself with the instructions that provide crucial information on the installation, operation, and maintenance.
- **ONLY** use with compatible excavator models. Though this hydraulic quick hitch has a wide fitment, **DO** research compatibility before actually mounting this hydraulic quick hitch. For details, see **Specifications**.
- **ALWAYS** use personal protective equipment (PPE) suitable to your task. Always wear ANSI and OSHA-approved eye, breathing, and hand protection while using this product. Nonslip and steel-toe footwear is also highly recommended. Other equipment such as ear, head, and body protection may also be necessary depending on your work, work environment, and other equipment.
- **DO NOT** operate, inspect, or maintain the excavator when your faculties or judgment are impaired by alcohol, drugs, medicines, fatigue, or lack of sleep. **NEVER** allow any persons under such conditions to operate, inspect, or maintain this heavy machinery.
- Operating heavy equipment requires your full attention. Avoid distractions and remain focused on the task at hand.
- **IMMEDIATELY** cease to use and contact Customer Service if the hydraulic quick hitch shows any sign of anomalies or malfunctions, say noise, vibration, breakage, etc. **NEVER** attempt to resume use if the issues remain unsolved.

## Operation Safety

- **ALWAYS** remain focused on the task at hand. Operating heavy equipment requires your full attention.
- Use two or more persons to attach the quick hitch to the excavator's arm.
- **NEVER** lift heavy objects above the excavator's cabin.
- **NEVER** operate the excavator in an area with people present. You should maintain at least 100 yards of distance between the excavator and people, animals, or property.
- Be extremely careful when working on inclines or near loose fill, rocks, and holes as they can cause tipping or upsetting which may result in serious injury or death.
- Be certain to avoid overhead electrical wires when operating the excavator. Contact with power lines may cause serious injury or death.
- Do not drive up to anyone or an animal in front of a fixed object such as a wall or bench. Never assume that the machine will stop in time.

### **Warning**

- **DO NOT** operate underwater. Do not allow the excavator's cylinder to go underwater. Otherwise, the cylinder **WILL** be damaged from chronic rust.
- Stop the excavator, place all the control rods in neutral, set the parking brake, shut off the engine, and make sure **ALL** moving parts have been stopped before dismounting the excavator for any reason.
- Keep all bystanders away from the work area, especially children.
- Do not abuse equipment. Incorrect use of the attachment can damage equipment structurally and cause serious injury or death.
- The backup alarm must be in good working order to warn others. Use a backup camera or rear-view mirror that is in good condition to ensure the area behind the unit is clear. Drive at a slower speed to compensate for blind spots.
- Consult your power machine's Manual for operating capacity, lifting capacity, and operating specifications. Exceeding rated capacities and specifications can result in loss of control, roll-over or other serious hazard.
- Do not use this attachment to lift, carry, push, or tow other equipment or objects. It is not properly designed or guarded for this use. The operator could lose control resulting in equipment damage and/or tipping hazard.
- Do not use this attachment to pull and/or pry objects out of the ground or for digging into the ground. It is not properly designed or guarded for this use.
- Do not use this attachment to lift the front or back of the power machine off the ground. Doing so can damage the attachment, and power machine, and/or cause serious injury or death.

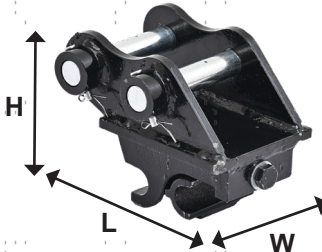
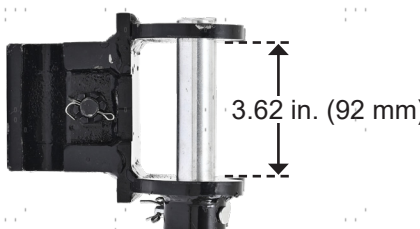
# Transport Safety

## Danger

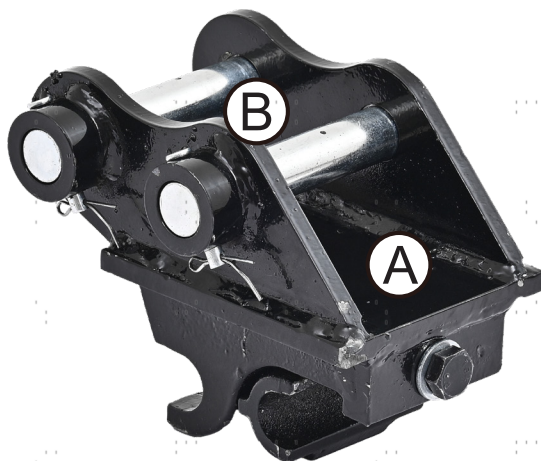
- Always transport over ramps and inclines with the heavy end of the power machine on the “uphill” side. This may require one to drive up or back down inclines.
- Always travel straight up and straight down inclines. Never make turns on the incline.
- When traveling on public roads whether at night or day, use accessory lights and other warning devices to warn operators of other vehicles. Comply with all federal, state, and local laws.

## Specifications

# Specifications

Name		Mini Excavator Quick Hitch	
Quick Hitch	Dimensions	8.86×5.71×6.5 (in.)	225×145×165 (mm)
	(L×W×H)		
	Net Weight	17.2 lb.	7.8 kg
Hinge Pin	Length	5.5 in.	140 mm
	Diameter	0.98 in.	25mm
	Hinge Pin Hole Spacing	3.62 in.	92 mm
			
Compatible Excavator Specs.	Arm Pin I.D.	0.98 in.	25 mm
	Arm Pin Hole No.	2	
	Weight	< 3310 pounds	< 1.5 metric tons

# Package List



No.	Item	Qty.
A	Quick Hitch	1
B	Hinge Pins with Bolts	2

## Installation

# Installation

### Warning

**ALWAYS** wear PPE appropriate and adequate for installation.

1. Remove the preinstalled hinge pins and their securing bolts on the quick hitch.
2. Use 2 or more people or a hoist to stand the quick hitch up on a level surface.
3. Start the engine of the excavator following the normal protocols.
4. Drive the excavator to the rear of the quick hitch.
5. Align the hinge pin holes on the quick hitch with the ones on the bottom of the excavator arm.
6. Shut off the engine.
7. Insert the removed hinge pins through the holes and secure the pins with their removed securing bolts. Insert the left hinge pin first.



8. Restart the engine and test the quick hitch to confirm its stability.

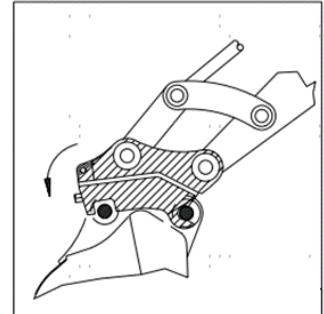
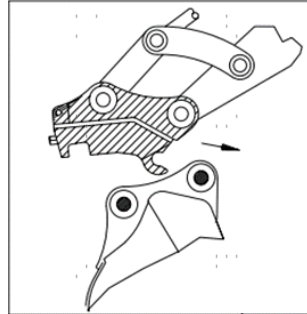
# Operation

## Warning

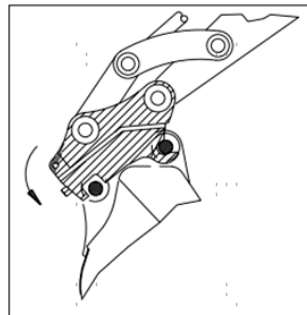
Ensure that all personnel are standing clear of quick hitch and machine swing radius.

To engage an attachment:

1. Position the quick hitch above the attachment and lower the quick hitch front hook onto the attachment front pin as shown.

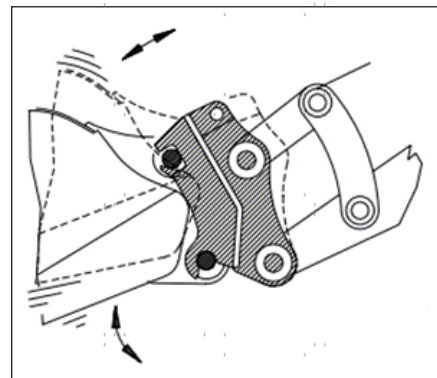


2. Curl the quick hitch inwards to lower the hitch onto the back pin (link pin).



3. Continue to curl the hitch while at the same time lifting the attachment clear of the ground.
4. Fully tighten the bolts on the back of the quick hitch.

5. Test if the attachment is securely locked to the quick hitch by curling the quick hitch fully outwards and shaking the attachment vigorously.



# Maintenance

## Warning

- **ALWAYS** lower the quick hitch to the ground and shut off the engine before any maintenance.
- **ALWAYS** wear **PPE** appropriate and adequate for maintenance.
- Periodically clean the quick hitch, removing all mud and dirt.
- Lubricate the hinge pins with lithium grease every 10 hours of continuous operation. Shorten the schedule if the pins become unusually squeaky.
- Apply a light coating of oil to all exposed metal parts to prohibit corrosion.
- Periodically check the fasteners, retightening as needed.
- Repaint parts where paint is worn or scratched to prevent rust.
- Inspect for visible signs of wear, breakage, or damage. Replace or repair damaged components.
- Dispose of the used material and waste products from the replacement appropriately.
- Store this quick hitch in a safe and secure place away from direct sunlight and inaccessible to children.