



Ergonomic Cylinder Lift (ECL) Instructions

Please ensure that all safety procedures are followed

SOP-01

v 1.0

Key Code	Overview	Detail Instructions & Explanations	Pictures
<ul style="list-style-type: none"> ✓ Pre-Checks † PPE Required ⚠ Safety Hazards i₁₋₆ Special note □₁₋₃ Picture/info on right (Front Side) ⊕₁ Enlarged pictures(s) ✓ Post-Checks 	<div style="border: 1px solid blue; padding: 5px; margin-bottom: 10px;"> <p>1 Secure Cylinder † □₁</p> </div> <div style="border: 1px solid blue; padding: 5px; margin-bottom: 10px;"> <p>2 Moving Cylinder † □₂</p> </div> <div style="border: 1px solid blue; padding: 5px; margin-bottom: 10px;"> <p>3 Loading on Stationary Object † □₃</p> </div> <div style="border: 1px solid blue; padding: 5px;"> <p>4 Unloading from Stationary Object † □₃</p> </div>	<p>1.1 Complete ✓</p> <p>1.2 Roll ECL to the cylinder i₁</p> <p>1.3 Swing hinged part of cylinder bracket around cylinder</p> <p>1.4 Attach appropriate loop to the hook on the affixed part of the bracket i₂</p> <p>1.5 Pull clamp lever opposite of hook to tighten against the cylinder</p> <hr/> <p>2.1 Pull back on the U-shaped handle to tilt ECL on rear wheels</p> <p>2.2 Move ECL with secured cylinder to desired location</p> <p>2.3 Once you have reached the desired destination place ECL back on all 4 wheels</p> <p>2.4 Release cylinder bracket by pulling on the clamp level</p> <hr/> <p>3.1 Position ECL with cylinder in close proximity to allow the proper swing of the cylinder without hitting the object you are loading onto □₃</p> <p>3.2 Place one hand on the top of the cylinder cap while the other hand is on the U-shaped handle. □₃</p> <p>3.3 Pull back on the cylinder until the bottom of the cylinder is higher than the object you are loading it on to □₃</p> <p>3.4 Place the bottom portion of the cylinder on the object you are loading onto.</p> <p>3.5 Raise the top side of cylinder slightly higher than object you are loading onto and move ECL as close as possible to stationary object i₃ ⊕₃</p> <p>3.6 Unclamp the cylinder clamp</p> <p>3.7 Slightly lift the cylinder off of clamp i₄</p> <p>3.8 Slide cylinder into/onto the stationary object and re-secure cylinder as required</p> <hr/> <p>4.1 Reverse steps 3.1 -3.9 for proper unloading of cylinder from stationary object i₅</p> <p>4.2 Back the ECL away from stationary object</p> <p>4.3 Lower cylinder to the lowest position by lifting cylinder cap slightly and pulling lever</p> <p>4.4 Push down on cylinder cap to lift bottom of cylinder off of the stationary object and back the ECL up on all 4 wheels.</p> <p>4.5 Lower the bottom of cylinder back to the ground slowly i₆</p>	<p>□₁ 1 Secure Cylinder</p>  <p>□₂ 2 Moving Cylinder</p>  <p>□₃ 3 & 4 Loading / Unloading</p> 



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✓ Pre-Checks (Prior to the start of work)

† PPE –

- Ensure proper hand protection is worn
- Ensure ground is stable
- Ensure there are no obstacles in path
- Tools & Materials needed

🚨 Safety Hazards

Step	Description
All	Do NOT move cylinder on all four wheels. Must be moved on rear wheels only when cylinder is attached
All	Ensure wheel brake is set when ECL is not loaded to prevent accidental rolling on uneven surfaces
All	Ensure the wheel brake is set before loading or unloading cylinder

⚡ 1 ALL



Clamp Height Lever

⚡ 2 All



Wheel Brake

⚡ 3 3.5



Lift cylinder slightly higher than loading/unloading object while close to object

i 1 Special Notes

- i₁ Ensure the bracket is at its lowest position by pulling the side release handle.
- i₂ Adjust the length of loop by twisting the loop to ensure the clamp closes completely with a snug fit around cylinder.
- i₃ Ensure the ECL is as close to the stationary object you are loading and unloading while the cylinder clamp is secured.
- i₄ Avoid dragging cylinder on rubber clamp to avoid clamp damage
- i₅ Try to position the bottom of the cylinder about 29" to the center of the clamp to assist with proper balancing of the tank
- i₆ Depending on how centered you positioned the cylinder in the bracket, the cylinder may be suspended off the ground or may hit the ground before becoming vertical. If so, please place cylinder vertical and release height lever to readjust before moving cylinder ECL

✓ Post-Checks

- Housekeeping