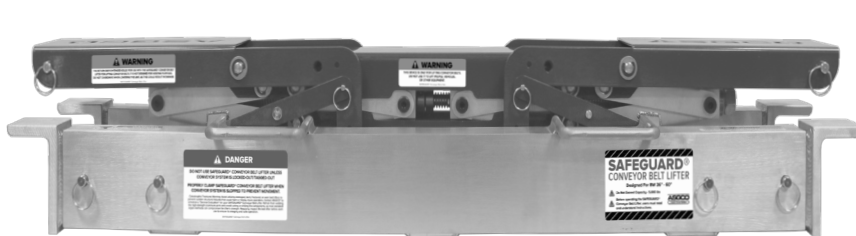


# INSTALLATION, OPERATION & MAINTENANCE INSTRUCTIONS



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ASGCO Mfg., Inc.  
730 Bangor Rd.  
Nazareth, PA 18064  
610-821-0216  
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**Important  
Safety  
Notice**

Always observe the basic rules of safety when working with any conveyor system. To avoid injury and equipment damage, be sure that all controls to the conveyor are locked out and the power source is disconnected at all times during installation. Always observe the basic rules of safety when working with any conveyor system. To avoid injury and equipment damage, be sure that all controls to the conveyor are locked out and the power source is disconnected at all times during installation.



**⚠ WARNING**

Shear Hazard: Raising and Lowering the Safe-Guard Belt Lifter™ creates squeezing actions that can cut and crush limbs. Keep body parts away from lifter during operation.

**⚠ CAUTION**

Do not overdrive when lowering the unit. Could damage cranking mechanism. Clean and lubricate drive components of lifter regularly to extend optimal performance.

**⚠ WARNING**

Lift Collapse Hazard: Severe and Fatal Injuries may occur. To prevent loss of structural integrity:

- Safe-Guard Belt Lifter™ must only be used to lift conveyor belts -Do Not Lift personnel, vehicles, or other equipment with this dedicated lifting device.
- Follow Safe Lifting Capacity Warning
- Safe-Guard Belt Lifter™ loading Must Not Exceed 5000 lb. To reduce or restrict loading:
  - Remove conveyed material
  - Lower belt tension
  - Use short lift heights
  - Stay at least 20 ft. (6.2m) away from head or tail pulleys

**⚠ CAUTION**

Additional copies of this instruction set are available on-line or through your ASGCO dealer. It is important for user safety to retain these instructions for training and re-training operators.

**⚠ WARNING**

Body Strains: The Safe-Guard® Conveyor Belt Lifter weighs 88.0 lbs, and is constructed from steel and aluminum members. Use two workers to deploy and remove the belt lifter from awkward setups to avoid muscular and skeletal injuries.

**⚠ DANGER**

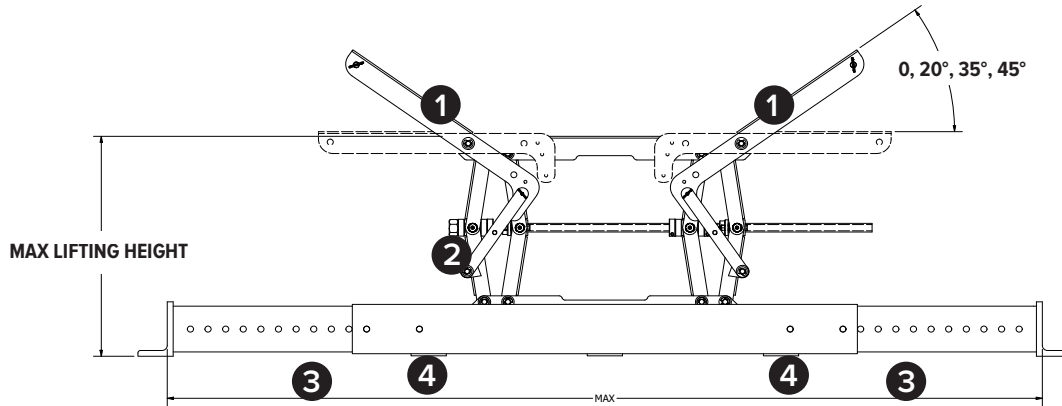
Catastrophic Fractures: Do Not Use broken, bent, fractured, or worn belt lifters. Sudden structural collapse will injure or kill the operators. Call the factory for a free “loaner” Safe-Guard Belt Lifter™ and arrange a “Factory Repair” of your Safe-Guard Belt Lifter™. Do Not Cut or Drill the components. Almost all the standard repair procedures will weaken the belt lifter. Examine the belt lifter before each use to assure its integrity. Examine lifting strap, replace if cut or abraded.

**⚠ DANGER**

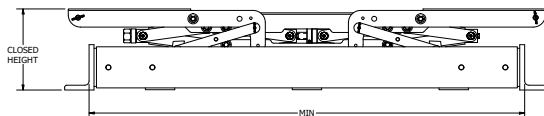
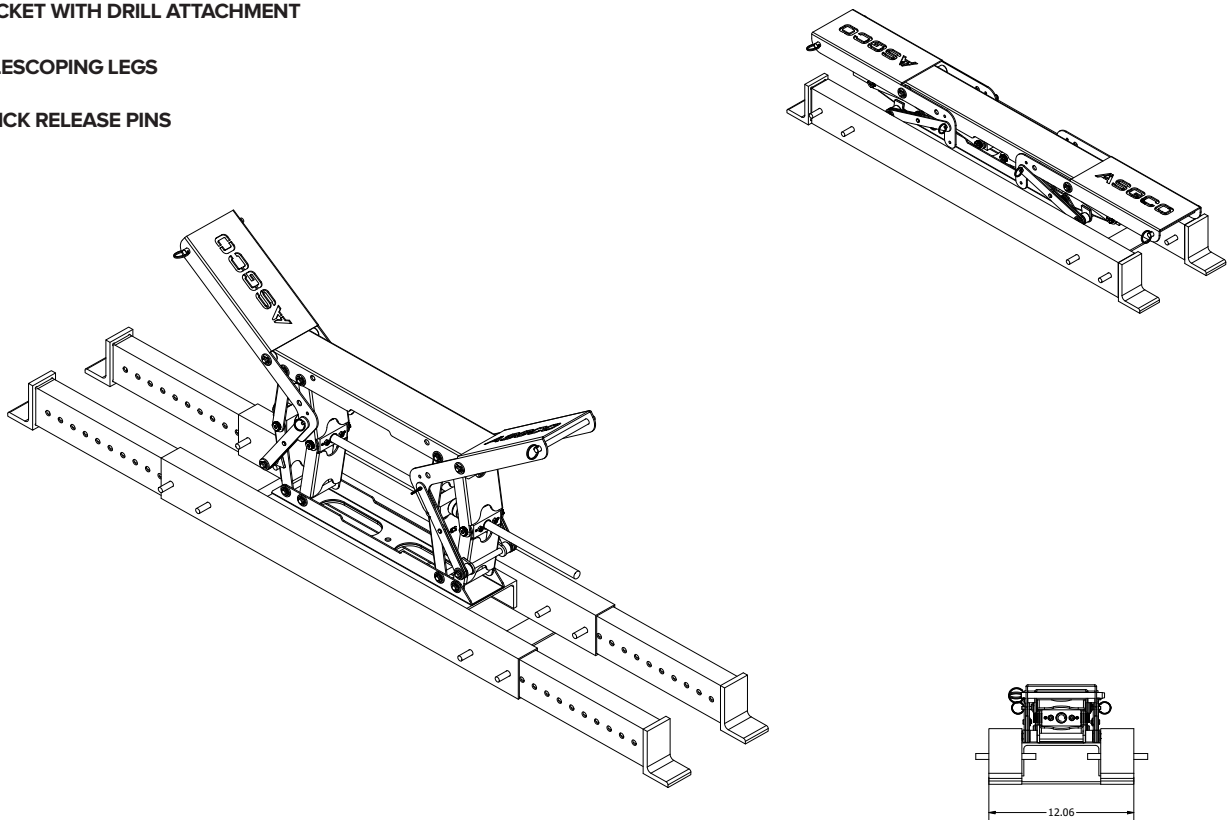
Crushing Hazards: Unexpected belt movement will topple Safe-Guard Belt Lifter™ and create in-running nip points. To prevent serious injury or death, OSHA Lock-out/Tag-out rules must be followed:

- Place individual padlocks on conveyor power source before belt lifting operations.
- Securely clamp belts on sloped conveyors to prevent movement.

Part Number	Belt Width Range		Conveyor Span		Weight		Closed Height		Max Lift Height	
	mm	in	MIN	MAX	kg	lb	mm	in	mm	in
M-ASG-SGBL-3660	900 - 1500	36 - 60	1130 mm (44.5")	1892 mm (74.5")	39.9	88.0	216	8.50	482	19.00



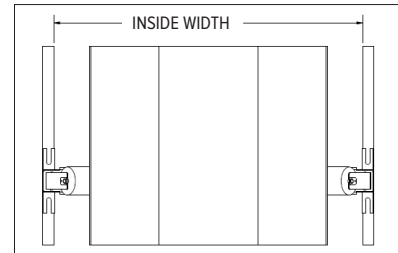
- ① AUTOMATIC TROUGH WINGS
- ② SOCKET WITH DRILL ATTACHMENT
- ③ TELESCOPING LEGS
- ④ QUICK RELEASE PINS



**Tools Needed:**

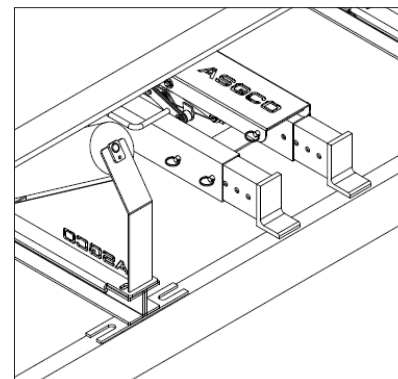
- Hand Ratchet or Motorized Drill

**STEP 1. Measure conveyor width.** After determining the area of the conveyor where the SafeGuard® Conveyor Belt Lifter will be used, measure the inside width of the main conveyor structure (Fig. 1)

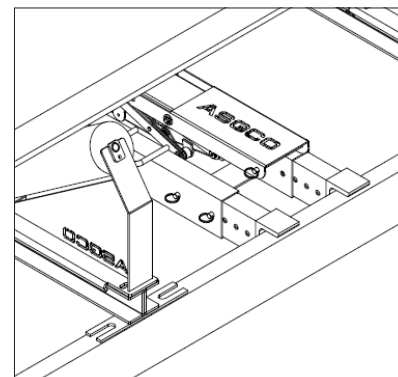


(Fig. 1)

**STEP 2. Pre-set the Lifter Extension Legs.** Using the above measurement, adjust the extension legs to a length that will allow the legs to sit safely on the structure and allow for a centered load. NOTE: The extension legs can be positioned either to be resting on top of the structure (if more lift height is needed) or down inside the structure (Fig. 2a). To adjust the extension legs, simply remove the extension leg pin and slide the leg in or out as required. Adjust the two legs on each side to the same length so both legs will rest on the structure (Fig. 2b). Replace extension leg pin after adjusting leg position.



(Fig. 2a)



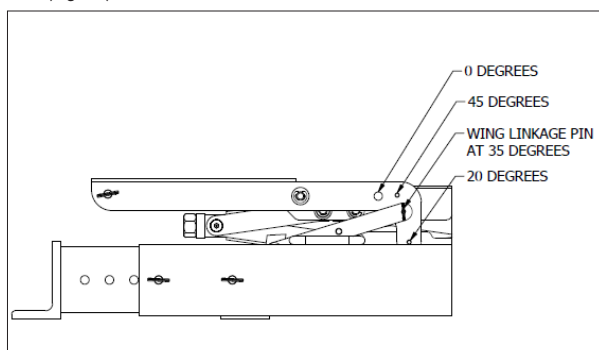
(Fig. 2b)

**STEP 3. Position the lifter onto the conveyor.** After presetting the extension legs to fit the conveyor structure, safely slide the lifter across the conveyor and position it squarely onto the structure, making sure load is centered above the lifter.

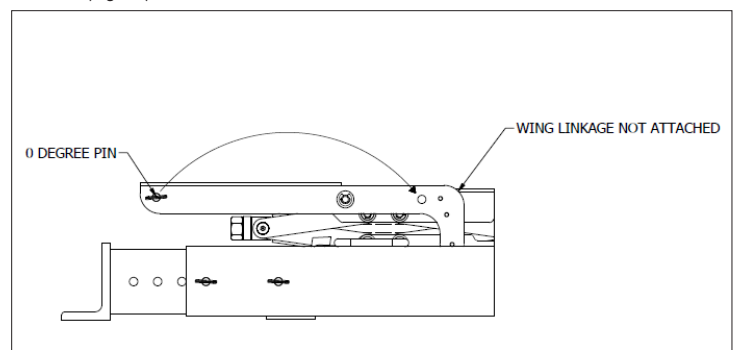
**Top Side Operation** (For Flat Belts; Go to Step 5.)

**STEP 4. Set Trough Wings.** Remove the outer trough wing pin and lift the trough wing to allow the inner brace to swing out. Reinsert the trough wing pin to hold it in place (Figs. 4a & 4b). Repeat on opposite end. Trough wings should be set to match the idler configuration. The lifter top bar contains two hole sets (five holes each) at each end. By removing both trough wing pins, the inside wing pivot point may be changed to match the idler junction.

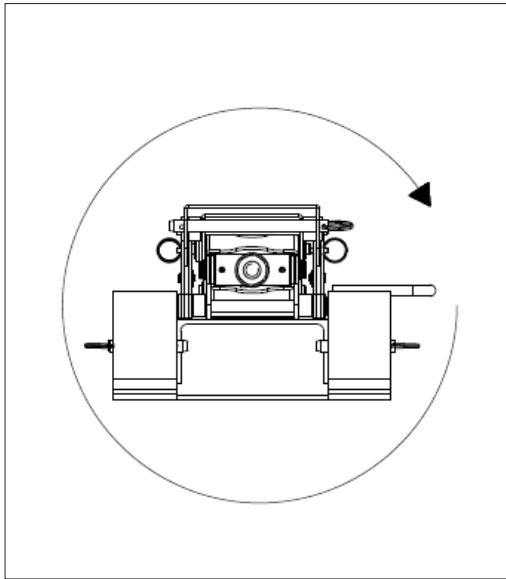
(Fig. 4a)



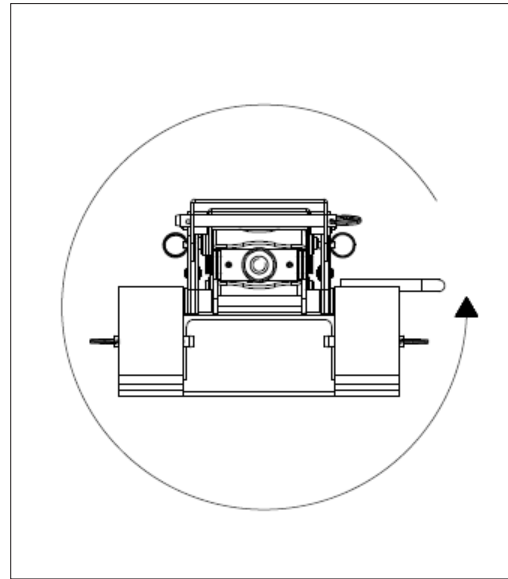
(Fig. 4b)



(Fig. 8a)



(Fig. 8b)



**STEP 5. Lift the belt.** Turn the adjusting nut counterclockwise until the belt is at the desired height. (Use the correct size socket and tool - not included.) Remove the ratchet or power tool prior to starting work.

**STEP 8. Lift the Belt.** Turn the Adjusting Nut counterclockwise until the belt is at the desired height. (Use the correct size socket and tool—not included.) Remove the ratchet or power tool prior to starting work.

**! DANGER**  
Pinch points - Use caution when raising the Safe-Guard® Conveyor Belt Lifter.

**! DANGER**  
Pinch points - Use caution when lowering the Safe-Guard® Conveyor Belt Lifter.

**STEP 6. Lower the belt.** Once work is completed, reconnect the ratchet or power tool to the adjusting nut and turn in a clockwise direction until the lifter is completely retracted to its lowest position.

**STEP 9. Lower the belt.** Once work is completed, reconnect the ratchet or power tool to the Adjusting Nut and turn in a clockwise direction until the Safe-Guard® Conveyor Belt Lifter is completely retracted to its lowest position.

**! WARNING**  
Do not overdrive when lowering the unit. Could lead to damage.

**STEP 10. Remove the Safe-Guard® Conveyor Belt Lifter.** Re-position Trough Wing Pins to original position. Safely slide the Safe-Guard® Conveyor Belt Lifter from the structure and position the extension legs to their innermost position for safe transporting and storage.

**STEP 7. Remove the lifter.** As in Steps 3 & 4, remove the wing pins, lower the trough wings to the flat position and re-insert the wing pins. Safely slide the lifter from the structure and position the extension legs to their innermost position for safe transporting and storage.

# **SAFE-GUARD®**

## **CONVEYOR BELT LIFTER**

Product Information



Installation & Safety Instructions Digital Version

