

Lift and Tilt -- The Most Versatile Tilter

From American Lifts premium series of industrial tilters, Autoquip offers the TiltLift. With five times the number of life cycles as competitive brands, these unique tilters have become the recognized standard for customers demanding durability, safety, and minimum down time in their manufacturing process.

Notable Design Features:

- Collapsed height of nearly half that of conventional tilters.
- Designed to handle load centering over the structural base frame while raising and lowering.
- Non-intrusive loading platform contained within its own footprint.
- Lift and Tilt Combination --Travel up to 25 inches - tilt to 45 degrees.

Common tilter applications include container loading and unloading, parts assembly and disassembly, and work positioning - all with improved ergonomics, increased worker productivity, and greater factory throughput.

Numerous standard options available for the TiltLift, as well as custom solutions for your unique tilter application.



Features and Benefits

- All scissors rollers are captured within structural steel channels to provide excellent load stability.
- High impact, spiral wound bearings at every pivot point provide maintenance-free, rugged resistance to abrasion, impact, and uneven loads.
- Structural cross-members at every pinned joint in the scissors assembly minimize leg deflection due to twisting or spreading under high or uneven loading.
- All hydraulic cylinders contain two-piece, self-aligning piston rods that transmit minimal side forces to the cylinder hinges/pins, significantly reducing wear.
- Structural steel channels in all upper and lower frames provide additional rigidity and resistance to twisting and bending of the lift under load.
- Solid steel legs and added stiffeners provide overall stability and straight, repeatable roller tracking as the lift raises and lowers.
- Joints, the most critical wear points in the lift, feature chrome-plated, 100,000 psi, ultimate-strength pins for premium load strength and long life.
- Minimum 1/4-inch-thick steel-reinforced platform minimizes deck deflection, maximizes load stability, and greatly extends the life of the platform deck.
- Autoquip offers an industry-best 2 year warranty on all parts as a promise that you've purchased the industry's most reliable work station tilter.
- On-board maintenance devices enable maintenance crews to safely and effectively block open the scissors during inspection and routine maintenance.
- Sturdy, semi-transparent polyurethane oil reservoir provides an easily visible method of checking fluid levels and eliminates oil contamination due to rust.
- Low pressure hydraulic circuit extends the life of all hydraulic components and puts less stress on the electric motor.
- Double wire braided Parker hydraulic hoses resist wear, abrasion, and leaks.
- TiltLift's extremely small footprint allows workers to stand close to the product, which minimizes reaching and keeps work within the ergonomic "power zone."
- Non-intrusive design minimizes floor space requirements for the operator
- Extremely low collapsed height increases its total ergonomic range.
- Standard controls are prewired and internal power unit is onboard. Installation simply includes lagging the unit to the ground and connecting to electricity.
- Non-intrusive design keeps the load centered over the base frame of the lift at all times.
- Hydraulic velocity fuses completely stop lifts in the unlikely event of uncontrolled descent due to sudden hose rupture.
- Minimum 3:1 structural factor of safety makes these lifts the most structurally sound lift in the industry.
- Compliance with recognized standards:
 - ANSI MH29.1 - Safety Requirements for Industrial Scissor Lifts
 - ANSI MH29.2 - Safety Requirements for Industrial Tilters
 - NFPA 70 - National Electric Code
 - ASTM - A36 - Structural Steel Standard

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- ANSI Z535 - Safety Labeling Requirements
 - AWS D.1 - Welding Standards
 - Applicable portions of OSHA 29CFR1910 - General workplace safety

| Models | Travel (inches) | Capacity (lbs#) | Lowered Height (inches) | Max# End Load @ Std# Platform (lbs#) | Max# Side Load @ Std# Platform (lbs#) | Base Frame Width (inches) | Base Frame Length (inches) | Minimum Platform Width (inches) | Minimum Platform Length (inches) | Maximum Platform Width (inches) | Maximum Platform Length (inches) | Raising or Lowering Time Loaded (seconds) | Motor Size (hp) | Number of Cylinders | Shipping Weight Approx# (lbs#) | Standard Hydraulic Power Unit | Raising Time Loaded (seconds) | Lowering Time Loaded (seconds) | Tilt (degrees) |
|-----------|-----------------|-----------------|-------------------------|--------------------------------------|---------------------------------------|---------------------------|----------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---|-----------------|---------------------|--------------------------------|-------------------------------|-------------------------------|--------------------------------|----------------|
| PT-45-020 | 17 | 2000 | 6 | N/A | N/A | 17.5 | 30 | 17.5 | 30 | 48 | 48 | 35-10 | 0.5 | 1 | 425 | REMOTE | 35 | 10 | 45 |
| PT-45-060 | 17 | 6000 | 8 | N/A | N/A | 23 | 34.63 | 23 | 34.63 | 48 | 48 | 40-10 | 1 | 1 | 850 | REMOTE | 40 | 10 | 45 |
| PT-45-040 | 18 | 4000 | 7 | N/A | N/A | 23 | 34.63 | 23 | 34.63 | 48 | 48 | 35-10 | 1 | 1 | 770 | REMOTE | 35 | 10 | 45 |

Options

Platform

Larger Platform Sizes (refer to model specifications for minimum-maximum allowable sizes)

Power Unit Options

Connection Hose

Cover for Remote Power Unit

Super Torque 3/4 HP Single Phase Power Unit (internal)

Hydraulic Hose Quick Disconnect

Remote Air Operated Power Unit -- includes hand valve, lubricator and 5' hose

Hand Operated Up/Down Control

Foot Operated Up/Down Air Valve

Water Glycol -- non-flammable oil with viton seals in lift cylinders

Food Grade Oil

Biodegradable Oil

Manual Valve to Shoot Off Pressure Line (remote power units only)

1HP Pump Unit

Three Phase for 5HP or 1HP Pump Units

1.5HP 3 Phase Pump Unit

3HP 3 Phase Pump Unit (intermittent)

3HP 3 Phase Pump Unit (heavy duty)

5HP 3 Phase Pump Unit (heavy duty)

Air Powered Hydraulic Pump (5HP and 1HP only)

Continuous Running Pump Unit (5HP, 1HP, 1.5HP)

Continuous Running Pump Unit (3HP and 5HP)

External Pump Unit

Teledyne Hand Pump

Washdown (NEMA 4) Pump Unit

No Power Unit & No Controls

Electrical Options

Guarded Up/Down Foot Switch -- rated for NEMA 1 or NEMA 4

Upper/Lower Travel Limit Switch -- shipped loose

Upper/Lower Travel Limit Switch -- mounted and wired

Key Operated On/Off Security Lockout Switch (NEMA-12)

Key Operated Up/Down Switch (NEMA-12)

Upper/Lower Travel Limit Switch -- mounted not wired

115 Volt AC Down Solenoid Coil -- mounted only (controls not supplied)

24 Volt DC Down Solenoid Coil -- mounted only (controls not supplied)

Magnetic Push Button Station

Up/Down Push Button Station -- wall mounted (NEMA 4)

Up/Down Push Button Station -- pedestal mounted (NEMA 4)

Hook for Pushbutton

Weatherproof Push Button -- 20' coil cord

Audible Signal -- shipped loose

Audible Signal with Volume Adjust -- shipped loose
Prewired Audible Signal -- standard or adjustable (mounted in main control enclosure)
Flashing Red Light -- shipped loose
115 Volt Controls -- mounted & prewired (in lieu of standard 24 VAC)
No Controls

Baseframe

Anchor Clips
Built Up Baseframe -- to achieve specified lowered height up to 24" in addition to full standard travel
Fork Truck Pockets -- two sides of base frame
Fork Truck Pockets - all sides of base frame

Gates & Enclosures

Single Swing Gates
Biparting Swing Gates
Single Panel Vertical Acting Gates
Bi Panel Vertical Acting Gates
Horizontal Sliding Gates
Panels (standard 96" high)
Interlocks

Paint

Standard Autoquip Colors
Special Paint Options
Epoxy Paint -- customer's color can be matched with paint chip/RAL paint #, or with an Autoquip equivalent paint (2 part epoxy, sand blasting of unit recommended)
Steel-it -- stainless steel filled urethane primer and finish coating (MCU type IV for incidental food contact)
Primer Only
Tile Clad Epoxy -- sand blasting of unit required
Powder Coating (up to 60" travel)