

TSL Dock Lift – Dock Flexibility

Autoquip's TSL Dock Lift Family features heavy-duty scissor lifts flexible enough to function as stand-alone lifts or in conjunction with other dock system components. TSL models offer six platform sizes, capacities ranging from 12,500 pounds to 20,000 pounds, and over 60 inches of vertical travel. Designed for pit mounting, the TSL Dock Lift's captured rollers support exceptionally high end and side loads, making it a popular choice for truck loading and unloading, air cargo transfer, fork truck transfer, or in-plant use. A powerful and efficient hydraulic power unit decreases setup time and increases productivity, while the 4-way tread plate covering, removable handrails and a throw-over bridge make the TSL a safe way to increase dock efficiency. Solid steel construction and high capacity lifting cylinders protect your investment, while lifetime lubricated bearings and direct-thrust lifting cylinders provide long-lasting, reliable answers for most any heavy dock or in-plant lifting problems. Autoquip has designed and built TSL Dock Lifts in the USA for over 30 years. We excel at meeting customers' unique size, travel, capacity, and performance requirements. Whatever the combination, each TSL Dock Lift is factory tested to ensure product quality.



Features and Benefits

- 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.
- Solid steel legs and added stiffeners provide overall stability and straight, repeatable roller tracking as the lift raises and lowers.
- Thick steel reinforced platform minimizes deck deflection, maximizes load stability, and extends life of the platform deck.
- On-board maintenance devices enable maintenance crews to safely and effectively block open the scissors during inspection and routine maintenance.
- Maintenance-free bearings at pivot points require no lubrication.
- Efficient hydraulic power unit simplifies servicing.
- Double wire braided Parker hydraulic hoses resist wear, abrasion, and leaks.
- Easy replacement of high strength steel rollers minimizes downtime.
- Autoquip offers a 1-year warranty on all parts as a promise that you've purchased the industry's most reliable lift.
- Simple Up/Down pushbutton operation.
- Throw-over bridge conveniently covers transition gaps.
- Removable handrails allow for safe maneuvering of workers.
- Beveled platform sides protect workers' feet and toes.
- 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:
 - NFPA 70 - National Electric Code
 - ASTM - A36 - Structural Steel Standard
 - ANSI Z535 - Safety Labeling Requirements
 - AWS D.1 - Welding Standards
 - Applicable portions of OSHA 29CFR1910 - General workplace safety
 - ANSI MH29.1 - Safety Requirements for Industrial Scissors Lifts

// TSL DOCK LIFT



Models	Travel (inches)	Capacity (lbs#)	Lowered Height (inches)	Raised Height (inches)	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	Hinged Bridge Width (inches)	Hinged Bridge Length (inches)	Axle Load Cap# Over Bridge End (lbs#)	Axle Load Cap# Opposite Bridge End (lbs#)	Axle Load Cap# Over Sides (lbs#)
084144-200	59	19500	21.5	80.5	62	118	62	118	84	144	36.9	5	2	9100	REMOTE	72	12	15300	14000	12900
072132-200	59	20000	21.5	80.5	62	118	62	118	72	132	36.9	5	2	8600	REMOTE	72	12	16250	14700	14000
084120-200	59	20000	21.5	80.5	62	118	62	118	84	120	36.9	5	2	8750	REMOTE			16500	15400	13100
084132-200	59	20000	21.5	80.5	62	118	62	118	84	132	36.9	5	2	8850	REMOTE	72	12	16000	14500	13300
096120-200	59	20000	21.5	80.5	74	118	96	120	96	120	36.9	5	2	9150	REMOTE	72	12	16500	15000	13200
072120-200	59	20000	21.5	81.5	62	118	72	120	72	120	36.9	5	2	8650	REMOTE	72	12	16700	15600	14200
072144-200	59	20000	21.5	81.5	62	118	72	144	72	144	36.9	5	2	8650	REMOTE	72	12	15500	14200	14300
096144-200	59	20000	21.5	81.5	74	118	96	144	96	144	36.9	5	2	9700	REMOTE	72	12	15000	13800	13100
096144-095	60	9500	12.5	72.5	74	118	74	118	96	144	33.	5	2	8000	REMOTE	72	12	6000	5500	5200
072120-100	60	10000	12.5	72.5	62	118	62	118	72	120	33.3	5	2	6750	REMOTE	72	12	7500	6800	6500
072132-100	60	10000	12.5	72.5	62	118	62	118	72	132	33.3	5	2	6950	REMOTE	72	12	6850	6200	6250
072144-100	60	10000	12.5	72.5	62	118	62	118	72	144	33.3	5	2	7150	REMOTE	72	12	6500	6000	6000
084132-100	60	10000	12.5	72.5	62	118	62	118	84	132	33.3	5	2	7250	REMOTE	72	12	6700	6100	5500
096132-100	60	10000	12.5	72.5	74	118	74	118	96	132	33.3	5	2	7750	REMOTE	72	12	7000	6400	5500
096144-125	60	12500	15.5	75.5	74	118	96	144	96	144	33.3	5	2	8800	REMOTE	72	12	9000	8300	8000
084132-130	60	13000	15.5	75.5	62	118	62	118	84	132	33.3	5	2	7900	REMOTE	72	12	9800	9000	7800
084144-130	60	13000	15.5	75.5	62	118	62	118	84	144	33.3	5	2	8150	REMOTE	72	12	9300	8500	7900
072144-130	60	13000	15.5	75.5	62	118	72	144	72	144	33.3	5	2	7800	REMOTE	72	12	9500	8600	8600
096132-130	60	13000	15.5	75.5	74	118	74	118	96	132	33.3	5	2	8500	REMOTE	72	12	9600	8700	8100
096120-130	60	13000	15.5	75.5	74	118	96	120	96	120	33.3	5	2	8250	REMOTE	72	12	10200	9500	8000
084120-135	60	13500	15.5	75.5	62	118	62	118	84	120	33.3	5	2	7700	REMOTE	72	12	10300	9600	8100
072120-140	60	14000	15.5	75.5	62	118	72	120	72	120	33.3	5	2	7500	REMOTE	72	12	10500	9400	8700
096144-165	60	16500	18.75	78.75	74	118	74	118	96	144	37.5	5	2	9250	REMOTE	72	12	11000	10000	10000
084144-168	60	16800	18.75	78.75	62	118	62	118	84	144	37.5	5	2	8550	REMOTE	72	12	12300	11100	10100
072132-170	60	17000	18.75	78.75	62	118	62	118	72	132	37.5	5	2	8050	REMOTE	72	12	13000	11800	11400
072144-170	60	17000	18.75	78.75	62	118	62	118	72	144	37.5	5	2	8250	REMOTE	72	12	12200	11100	11100
084120-170	60	17000	18.75	78.75	62	118	62	118	84	120	37.5	5	2	8100	REMOTE			13500	12300	10500
096120-170	60	17000	18.75	78.75	74	118	74	118	96	120	37.5	5	2	8650	REMOTE			13200	12300	10500

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096132-170	60	17000	18.75	78.75	74	118	74	118	96	132	37.5	5	2	8950	REMOTE	72	12	12700	11600	10200
072120-175	60	17500	18.75	78.75	62	118	62	118	72	120	37.5	5	2	7950	REMOTE	72	12	13600	12500	11500

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Options

Platform

Larger Platform Sizes (refer to model specifications for minimum-maximum allowable sizes)
Special Platform Configurations & Shapes
Throw Over Bridge and Approach Ramps
Conveyor -- gravity or powered, supplied and mounted
Handrails -- removable & permanent
Accordion Skirts -- standard & special configurations
Smooth Plate -- in place of non-skid
Added Rollover Capacity
Electric Toe Guards or Photoeye Toe Indicator
Lifting Eyes -- eye bolts not included
Night Locks
Fully Automatic Mechanical Wheel Chock
Wheel Curbs

Power Unit Options

Connection Hose
Remote Power Units
Wall Mounting Brackets
Cover for Remote Power Unit
Hand Operated Up/Down Control
Water Glycol -- non-flammable oil with viton seals in lift cylinders
Food Grade Oil
Biodegradable Oil
Dipstick
Manual Valve to Shoot Off Pressure Line (remote power units only)
Oil Immersion Heater (remote steel tank power units)
Sight Gauge (remote steel tank power units)
No Power Unit & No Controls

Electrical Options

Upper/Lower Travel Limit Switch -- shipped loose
Upper/Lower Travel Limit Switch -- mounted and wired
Key Operated On/Off Security Lockout Switch (NEMA-12)
115 Volt Controls
N-12 Enclosure -- mounted and prewired to power unit (110V & 24V control)
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)
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
- Twist Lock - male & female (for control only)
- 115 Volt Controls -- mounted & prewired (in lieu of standard 24 VAC)
- No Controls

Baseframe

- Anchor Clips

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
- Cold Galvanizing (painting steel with a suspension of zinc particles in an organic solvent, so that a zinc coating remains following evaporation of the solvent)