



INPLANT LIFTING SOLUTIONS



Autoquip

LIFTING SOLUTIONS

CORPORATION

INTRODUCTION



Since 1947, Autoquip has been dedicated to providing ergonomic and productive material handling solutions to the manufacturing, distribution and transportation industries.

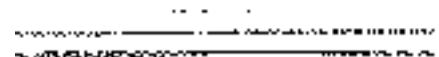
Autoquip offers a variety of standard and custom equipment for lifting, tilting, and turning to improve the safety and efficiency of your production system.

Aut

Custom Lifting Solutions For Unique Material Handling Applications

With decades of experience in engineering and manufacturing solutions to material handling problems, Autoquip can custom design products to increase your productivity and streamline work-flow. Whether you need a product raised, lowered, turned, or tilted Autoquip has the engineering experience and manufacturing capability to handle virtually any custom material handling project.

So, call Autoquip today for a custom material handling solution to increase your facility's productivity, and the safety of your employees.





oquip

IN PLANT

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ERGONOMIC

SPECIAL APPLICATIONS

GENERAL & TECHNICAL INFORMATION



Choose the right equipment

Autoquip products have been designed to perform specific tasks. Customer satisfaction is paramount and it is important that consideration be given to all of the following conditions to insure the proper lift is matched to a specific job application.

Lowered Height -

Model selection considerations should include maximum lowered height for application. For ground level operations, consider pit mounting of the unit.

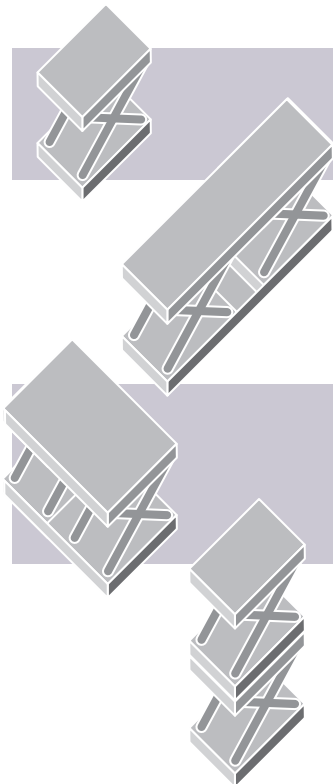
Vertical Travel -

Decide how high a load needs to be raised and note the distance. Specifications for all Autoquip lifts show “standard vertical travel.” Distances are expressed in inches. Select one of these standard travels (or the next higher travel) from the specification tables shown for the product being considered.

Raised Height -

Model selection considerations should include maximum raised height for application. For higher level operations, consider a double high model.

Double Long, Double Wide and Double High



Single Scissors Lift

Also referred to as “Single Stage” type with power unit normally mounted between legs. Depending on application, can be combined into Double Long, Double Wide or even Double High.

Double Long Scissors Lift

For applications requiring very long platforms. Combination consists of two standard scissors lifts with a common platform and base. Single power unit controls both lifts. Rated maximum capacity for combination is 80% of combined catalogued capacities of single scissors lifts selected. Consult Sales for pricing.

Double Wide Scissors Lift

For applications requiring very wide platforms. Combination consists of two standard scissors lifts mounted side-by-side with a common platform and base. Single power unit controls both sets of lifts. Rated maximum capacity of combination is 80% of combined catalogued capacities of single scissors lifts selected.

Double High Scissors Lift

For applications requiring high travel with relatively short platforms. Combination consists of two standard lifts stacked one on top of the other. The capacity rating is that of the upper lift. Lower lift must be sized to raise rated load plus weight of upper lift. Single power unit in lower lift controls both sets of lifts. Travels which exceed 60” may require guarding – consult sales. Double pantograph models are also available



Lifting Capacity -

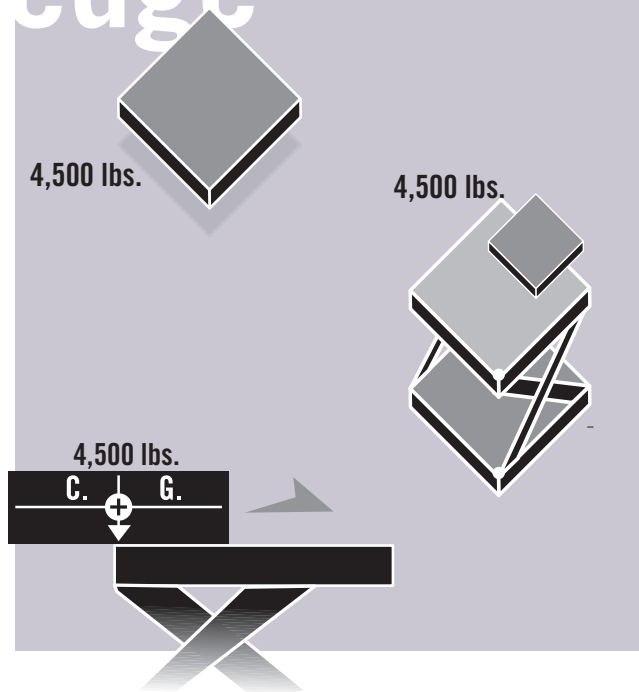
Lifting capacity is the gross weight a lift is required to raise. Determine the maximum weight that must be handled. Select a “standard lifting capacity” for one of the Autoquip products from the specification table. When doing so, be sure to consider the following:

Side-End Load - the amount of static load that can be applied over the edge of a lift platform in the fully raised position.

Axle Load - rolling load which takes into account the added forces applied to the lift through momentum and impact of the wheels.

Edge and Axle Loading

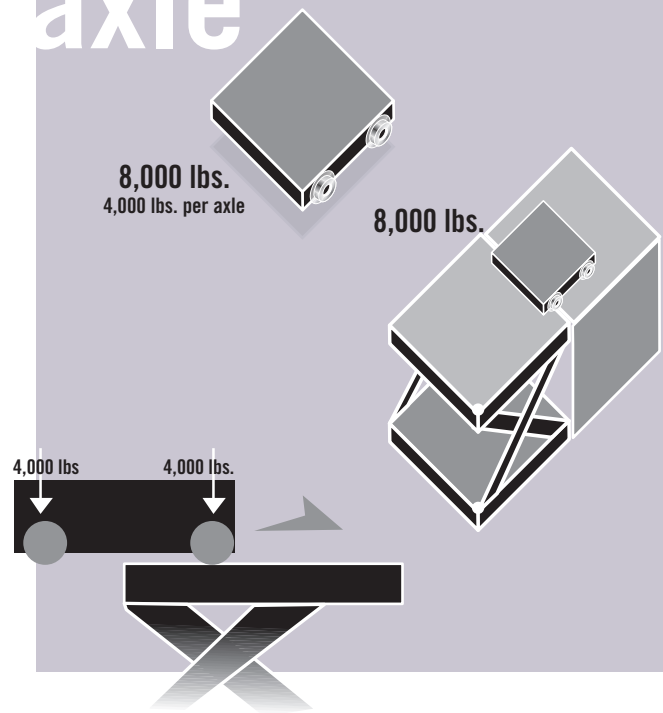
edge



The Edge Load capacity of a lift is the maximum “static” weight that can be supported along the edge of the platform. In order to derate a static edge load rating to an allowable dynamic axle load rating, divide by 1.5.

EXAMPLE: Lift with 4,500 lb. edge load rating has 3,000 lb. axle load capacity.

axle



The Axle Load capacity of a lift is the maximum “dynamic” weight that can be rolled across the lift’s edge. In order to convert a catalogued axle load rating to a static edge load rating, multiply by 1.5.

EXAMPLE: Lift with 4,000 lb. axle load rating has a 6,000 lb. edge load capacity.

GENERAL & TECHNICAL INFORMATION



Platform Size -

Determine overall dimensions which the largest load will occupy and attempt to select a "Standard Platform Size" from an Autoquip product specification table. If a non-standard platform size is required, find the minimum and maximum size of the platform for a particular model lift. Be sure the required size falls within the available range. Factors affecting platform size are lifting capacity, vertical travel, pit installation requirements, mounting of various accessories, etc. Electric toe guards or hanging toe indicator bars are required on units equipped with straight side platforms. Toe protection is required per ANSI MH29.1.

Oversize Platform - will also require derating. The end or side load capacity must be reduced by 2% for each additional inch that is added to the Standard Minimum Platform width or length.

Pit Mounting -

For pit mounted installations, OSHA requires platforms be equipped with toe protection, (i.e. beveled toe guards, electric toe guards or hanging toe indicator bars). The minimum lowered height is noted in the product matrix for each model; however roller shades or accordion skirting may increase the lowered height of the unit. Pit mounted turntables require bevel toe guards on lift, skirting on turntable and an orientation interlock if the turntable platform dimensions are equal to or less than the lift platform dimensions. If turntable platform size exceeds lift platform size, beveled toe guards on turntable and an orientation interlock are required.

Operating Speed -

Product specification tables will provide the standard operating speed for a unit. If different requirements are needed, request information from sales.

Option

Minimum Increase In Platform Size

Width

Length

Beveled Toe Guards	8"	8"
Electric Toe Guards with straight side platforms	4"	4"
Electric Toe Guards (Pit Mounted)	8"	8"
Hanging Toe Indicator Bars with straight side platforms	2"	2"
Accordion Skirting	6"	6"
Standard Accordion Skirting (Pit Mounted)	14"	14"
Outboard Perimeter Accordion Skirting (Pit Mounted)	8"	8"
Outboard Perimeter Skirting with Straight Sides	8"	8"
Removable Handrails	4" per rail	4" per rail



Duty Cycles -

Standard duty - for general industrial applications. Number of cycles should not exceed 100,000 per year. Equipment downtime does not adversely affect production under these conditions. (The “frequency” of lift operations should not exceed standard shown below.)

High cycle - when total number of cycles per year exceeds 100,000. When possible equipment downtime could seriously affect production. Speed and cycle frequency determines size of power unit, motor horsepower, pump output, and tank capacity to dissipate heat buildup. Power units are usually built for continuously running operation. Special pivot bearings are used which have longer life at high cycles. Units are designed to accommodate fatigue stress and extra wear.

High Speed - when required speed exceeds standard catalogued speed, larger pump and motors are used.

Frequency of Lift Operations -

Intermittent duty rated motors are used in all standard applications and are rated for a frequency of operation not exceeding one full lift every 2 minutes. Failure to observe these frequencies could cause motor to overheat.

If “jogging” is required, as a part of a feeding operation, be sure jogs are limited to one 2 second jog every 10 seconds for a limited time, but not to exceed 200 motor starts an hour. If application should require greater frequency, check with Sales department for a high cycle rated special lift, which is equipped with a con-

tinuous-running power unit. (NOTE: All internally mounted power units are equipped with oil and power cord. Externally mounted power unit does not include either.)

Turntables -

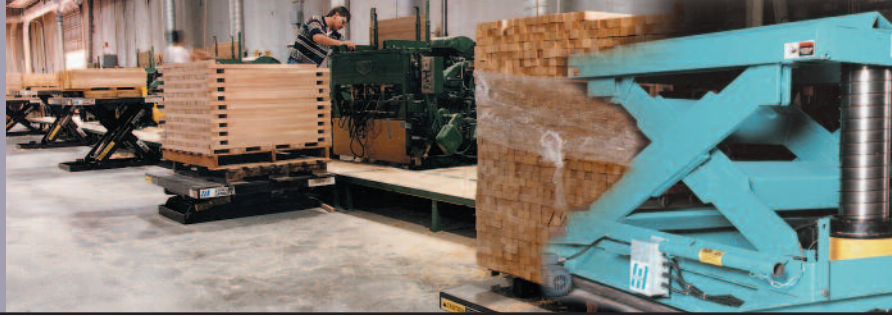
Stand-alone

1. All standard turntable capacities assume that the load on the turntable is uniformly distributed and that the C.G. of the load is placed within 10” of the center pin.
2. Standard turntables are not designed to withstand true edge or axle loading. If edge or axle loading is anticipated, additional turntable platform support at the edges must be considered and provided.
3. The smallest turntable platform size with bevel toe guards is 44” x 44” to adequately clear the support rollers mounted to the standard 24” x 24” turntable base plate.
4. Turntables are available with optional detents, locks, physical stops, limit switch signals, or powered drive.

Mounted to Lifts

5. If the lift platform provided is the standard minimum size (with or without bevel toe guards), the lift capacity does not have to be de-rated for the mounting of manual turntables up to 48” x 48” in size.
6. Regardless of platform size, the lift capacity must be derated by 500 lbs. for the mounting of catalogued powered turntables which exceed 36” x 36” in size.

GENERAL & TECHNICAL INFORMATION



7. As a rule, turntable platform dimensions must not exceed either maximum allowable platform dimension of the lift that it mounts to. Exceptions will be reviewed and approved by Engineering on an application by application basis.

8. Turntables that mount to lifts in pits must be at least 10" in lowered height to accommodate bevel toe guards and a "home position" limit switch on the turntable platform.

Tilters - Stand-alone

1. A tilter application form & approval is required if at least one of the following conditions exist:

a. Tilt angle in excess of 45 degrees, or

b. Platform requirements exceed standard, or

c. Off-center loading along the width of the platform is required, or

d. Container size exceeds, in any dimension, 50"W x 50"L x 55"H without a pallet or 50"W x 48"L x 48"H on a pallet up to 5"H, or

e. Any container load (including pallet) which has a height/length ratio greater than 1.0

Mounted to Lifts

2. Regardless of platform size, the lifting capacity must be de-rated by 500 lbs. for the mounting of catalogued tilters.

3. Tilter platform width must not exceed the maximum allowable lift platform width.

4. Tilters mounted to lifts must tilt over the roller end of the lift, never over the side. Total load plus tilter weight must not exceed the maximum allowable end load of the lift.

Power supply -

Standard for single phase horsepower units is 230V/1PH/60Hz. 115V/1PH/60Hz is also available. Standard for three phase power units is 208/230/460V/3PH/60Hz. (NOTE: Always specify power supply requirements. Proper operation on 115 Volt power involves the provision of a separate 30 amp or larger circuit and adequate wiring to assure an actual 115 Volts at the control box during operation under full load.)

Controls -

24VAC is standard control voltage, 115VAC and 24VDC are available upon request. Where applicable, standard controls include an UP/DOWN constant pressure pushbutton station. Also available upon request are foot, key and automatic (PLC) operating devices.

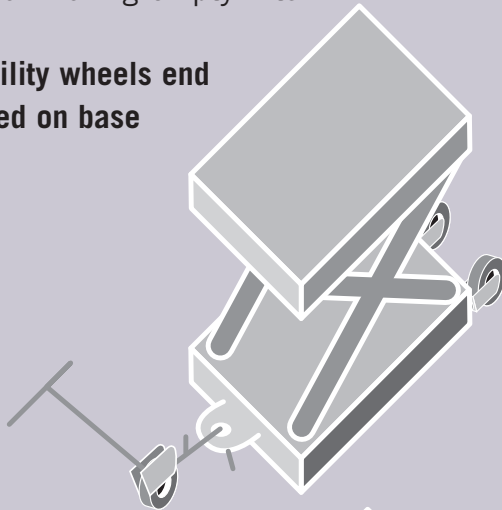


Configuration for Wheel Sets

Portability -

Standard portability options are shown in the drawings below for moving empty lifts. When portability is a factor with the product desired, refer to these drawings and specify preference. Wheel and dolly set is used for moving empty lifts.

Portability wheels end mounted on base frame



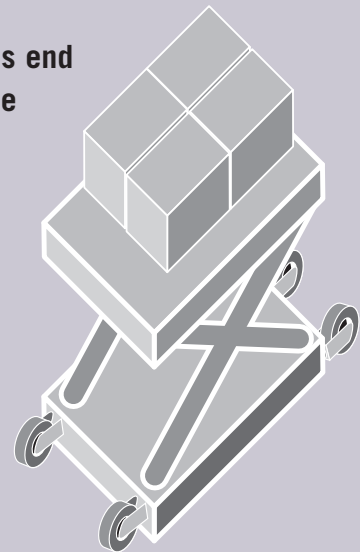
Portability wheels side mounted on base frame



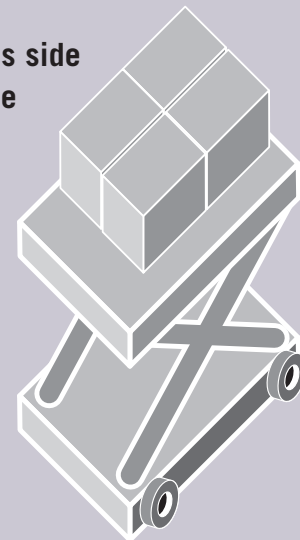
Transport -

Transport set is used for moving a lift with a capacity load.

Transport wheels end mounted on base frame



Transport wheels side mounted on base frame



SERIES 35 SCISSORS LIFT

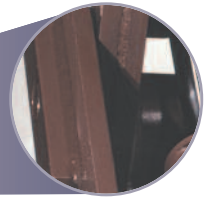
Series 35 is the most versatile and popular family of lifts. This family of lifts can be used in a wide variety of applications – such as pallet build-up and tear-down, part assembly and disassembly and conveyor systems – to improve worker ergonomics or enhance plant efficiencies. The Series 35 reduces worker fatigue and reduces the risk of back injuries. Series 35 offers a high quality, low cost lifting solution.

Series 35 lifts include many popular-sized models which can be used in a wide variety of lifting applications. 1,500 to 8,000 lb. capacities. 24" to 60" travel.

Polyethylene tank prevents condensation, provides easy check of oil level



Leg stiffener bars to provide extra strength and support



Velocity fuses to prevent uncontrolled descent

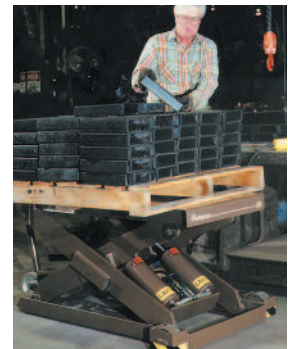


TYPICAL MARKETS

Distribution & Warehousing
Wood Working
Metal Working
Paper & Print

GENERAL APPLICATIONS

Palletizing & Depalletizing
Feeding/Receiving
Ergonomic Positioning
System with Conveyor



KEY FEATURES

- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs with stiffener bars
- Turned, ground, polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Velocity fuses on cylinders
- Polyethylene reservoir
- Maintenance (safety) locks in base frame
- Factory tested to 110% of capacity
- Internally mounted power unit
- Pre-wired power unit with UL approved and labeled control components
- Built and designed in accordance with ANSI MH29.1

OPTIONS

- Pit mounting (requires 8 1/2" lowered height)

BENEFITS

- Maintenance free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Extended hose life for added safety
- Controlled descent in case of severed hose – Safety first!
- Reservoir will not contain rust, weld slag or condensation apparent with metal tanks. Allows visual checking of oil level
- Easy access to hydraulic/electrical components for servicing
- Ready to operate lift with zero plumbing and minimal wiring
- Backed by the best warranty in the industry

POWER SUPPLY The electric motor is internally mounted. It is available in either 1 1/2 hp three-phase or 3/4 hp single-phase, with 24 VAC control valve. The 36S15 has 115 volt controls.

SPECIFICATIONS: 1,500 to 8,000 lb. Capacities, Travel Up to 60"

Travel (in.)	Cap. (lbs.)	Standard Platform & Base Frame (inches)	Maximum Allowable Platform Size (in.)	Max. End Load (lbs.)	Max. Side Load (lbs.)	Lowered Height (in.)	Raised Height (in.)	Raising or Lowering Time (sec.)	Electric Motor (hp)	No. of Cyl.	Shipping Weight (lbs.)	Model No.
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Series 35 Scissors Lift Model Specifications: 1,500 to 8,000 lb. Capacities, Travel Up to 60"

to 24"	2,500	24x36	48x60	2,500	2,500	6 1/2	30 1/2	8	1.5	1	500	24S25
	4,000	24x36	48x60	4,000	4,000	6 1/2	30 1/2	11	1.5	1	510	24S40
	6,000	24x36	48x60	4,500	4,500	6 1/2	30 1/2	16	1.5	2	530	24S60
	8,000	24x36	48x60	4,500	4,500	7	31	22	1.5	2	650	24S80 NEW!
to 36"	1,500	24x48	48x60	1,000	750	6 1/2	42 1/2	28	0.5	1	580	36S15
	2,500	24x48	48x72	2,500	2,500	6 1/2	42 1/2	12	1.5	1	610	36S25
	4,000	24x48	48x72	3,500	3,500	6 1/2	42 1/2	17	1.5	1	620	36S40
	6,000	24x48	48x72	3,500	3,500	6 1/2	42 1/2	25	1.5	2	650	36S60
	8,000	24x48	48x72	3,500	3,500	7	43	34	1.5	2	750	36S80 NEW!
to 48"	2,500	24x64	48x96	2,500	2,500	7	55	16	1.5	1	820	48S25
	4,000	24x64	48x96	3,500	3,500	7	55	22	1.5	1	830	48S40
	6,000	24x64	48x96	3,500	3,500	7	55	33	1.5	2	860	48S60
	8,000	24x64	48x96	3,500	3,500	7 1/2	55 1/2	44	1.5	2	960	48S80 NEW!
to 60"	2,500	32x87	60x120	2,500	2,500	8	68	22	1.5	1	1,800	60S25 NEW!
	4,000	32x87	60x120	3,500	3,500	8	68	44	1.5	2	1,800	60S40 NEW!
	6,000	32x87	60x120	3,500	3,500	8	68	44	1.5	2	1,800	60S60 NEW!



The versatile Series 35 is even more versatile when it becomes mobile. Now that great Series can easily be moved to various workstations as required. Simply unplug the 110V power and roll to any position required.

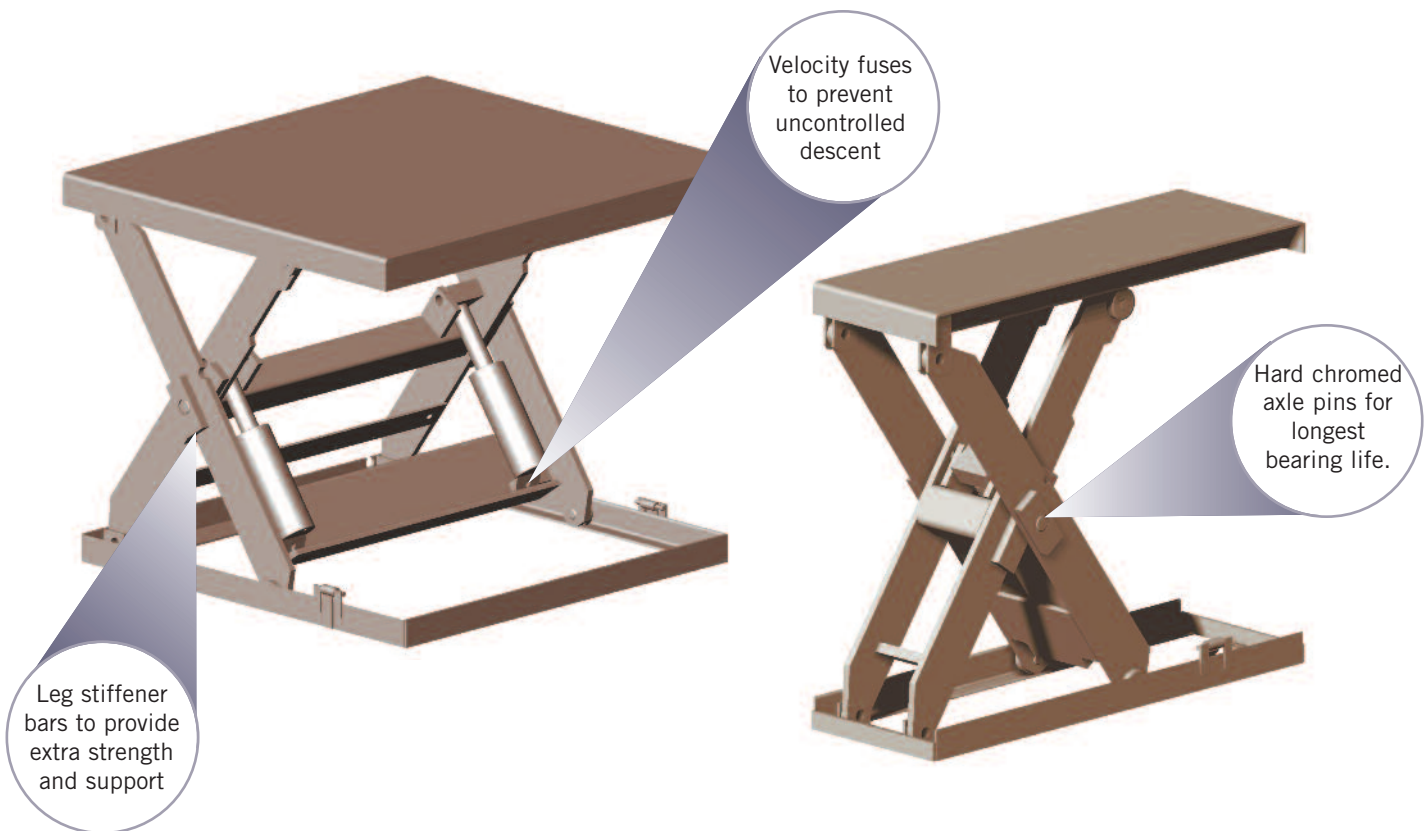
Series 35 Rover - Portable 24VDC Scissors Lift Model Specifications:

36"	2,500	24x48	48x72	2,500	1,500	14	50	12*	Battery Operated	1	1,000	36SRV25 NEW!
	4,000	24x48	48x72	3,000	1,500	14	50	17*		1	1,050	36SRV40 NEW!
	6,000	24x48	48x72	3,500	1,500	14	50	25*		2	1,100	36SRV60 NEW!

*Varies depending on amp draw in battery.

SERIES 35 EXTRA WIDE, EXTRA NARROW

For applications which require either a narrow footprint due to space constraints or a wider footprint for increased stability and/or high edge low ratings, the proven Series 35 family of lifts includes Extra Wide and Extra Narrow models. These lifts feature the same solid design principles that have established the Series 35 as one of the most dependable material handling solutions in the industry.



TYPICAL MARKETS

Distribution & Warehousing
Wood Working
Metal Working
Paper & Print

GENERAL APPLICATIONS

Palletizing & Depalletizing
Feeding/Receiving
Ergonomic Positioning
System with Conveyor

S35 EXTRA NARROW, EXTRA WIDE

KEY FEATURES

- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs with stiffener bars
- Turned, ground, polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Velocity fuses on cylinders
- Polyethylene reservoir
- Maintenance (safety) locks in base frame
- Factory tested to 110% of capacity
- Internally mounted power unit (Extra Wide only)
- Pre-wired power unit with UL approved and labeled control components
- Built and designed in accordance with ANSI MH29.1

OPTIONS

- Pit mounting (requires 8 1/2" lowered height)
- Accordion Skirts
- Portability package

BENEFITS

- Maintenance free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Extended hose life for added safety
- Controlled descent in case of severed hose – Safety first!
- Reservoir will not contain rust, weld slag or condensation common with metal tanks. Allows visual checking of oil level.
- Easy access to hydraulic/electrical components for servicing
- Ready to operate lift with zero plumbing and minimal wiring
- Backed by the best warranty in the industry

POWER SUPPLY The electric motor is internally mounted on Extra Wide models and remote for Extra Narrow models. It is available in either 1 1/2 hp three-phase or 3/4 hp single-phase, with 24 VAC control voltage.

SPECIFICATIONS: Series 35 Extra Wide Platform Scissors Lift Model Specifications: Up to 84" x 120"

Travel (in.)	Lifting Capacity (lbs.)	Standard Platform & Base Frame (inches)	Maximum Allowable Platform Size (in.)	Max. End Load (lbs.)	Max. Side Load (lbs.)	Lowered Height (in.)	Raised Height (in.)	Raising or Lowering Time (sec.)	Electric Motor (hp)	No. of Cyl.	Shipping Weight (lbs.)	Model No.
to 24"	2,500	48x36	60x60	2,500	2,500	6 1/2	30 1/2	16	1.5	2	715	24S25EXW
	4,000	48x36	60x60	4,000	4,000	6 1/2	30 1/2	16	1.5	2	715	24S40EXW
	6,000	48x36	60x60	4,500	4,500	6 1/2	30 1/2	16	1.5	2	715	24S60EXW
	8,000	48x36	60x60	4,500	4,500	7	31	22	1.5	2	825	24S80EXW NEW!
to 36"	2,500	48x48	60x72	2,500	2,500	6 1/2	42 1/2	25	1.5	2	855	36S25EXW
	4,000	48x48	60x72	3,500	3,500	6 1/2	42 1/2	25	1.5	2	855	36S40EXW
	6,000	48x48	60x72	3,500	3,500	6 1/2	42 1/2	25	1.5	2	855	36S60EXW
	8,000	48x48	60x72	3,500	3,500	7	43	34	1.5	2	965	36S80EXW NEW!
to 48"	2,500	48x64	60x96	2,500	2,500	7	55	33	1.5	2	1,095	48S25EXW
	4,000	48x64	60x96	3,500	3,500	7	55	33	1.5	2	1,095	48S40EXW
	6,000	48x64	60x96	3,500	3,500	7	55	33	1.5	2	1,095	48S60EXW
	8,000	48x64	60x96	3,300	3,500	7 1/2	55 1/2	44	1.5	2	1,210	48S80EXW NEW!
to 60"	2,500	58x87	84x120	2,500	2,500	8	68	44	1.5	2	2,300	60S25EXW NEW!
	4,000	58x87	84x120	3,500	3,500	8	68	44	1.5	2	2,350	60S40EXW NEW!
	6,000	58x87	84x120	4,500	3,500	8	68	44	1.5	2	2,400	60S60EXW NEW!

SPECIFICATIONS: Series 35 Extra Narrow Platform Scissors Lift Model Specifications: Remote P.U.

Travel (in.)	Lifting Capacity (lbs.)	Standard Platform & Base Frame (inches)	Maximum Allowable Platform Size (in.)	Max. End Load (lbs.)	Max. Side Load (lbs.)	Lowered Height (in.)	Raised Height (in.)	Raising or Lowering Time (sec.)	Electric Motor (hp)	No. of Cyl.	Shipping Weight (lbs.)	Model No.
to 24"	2,500	16x36	24x60	2,500	2,500	6.5	30 1/2	8	1.5	1	450	24S25EXN
	4,000	16x36	24x60	4,000	4,000	6.5	30 1/2	11	1.5	1	450	24S40EXN
to 36"	2,500	16x48	24x72	2,500	2,500	6.5	42 1/2	12	1.5	1	560	36S25EXN
	4,000	16x48	24x72	3,500	3,500	6.5	42 1/2	17	1.5	1	570	36S40EXN
to 48"	2,500	16x64	24x96	2,500	2,500	7	55	16	1.5	1	770	48S25EXN
	4,000	16x64	25x96	3,500	3,500	7	55	22	1.5	1	780	48S40EXN
to 60"	2,500	24x87	32x120	2,500	2,500	8	68	22	1.5	1	1,600	60S25EXN NEW!
	4,000	24x87	32x120	3,500	3,500	8	68	44	1.5	2	1,650	60S40EXN NEW!
	6,000	24x87	32x120	4,500	3,500	8	68	44	1.5	2	1,700	60S60EXN NEW!

SERIES 35 DOUBLE LONG, DOUBLE HIGH, DOUBLE WIDE

The Series 35 family of lifts can accommodate applications that require either a small footprint with high travel with Double High lifts, or oversized platforms with Double Long or Double Wide models. These affordable lifts combine standard Series components to ensure durability and dependable performance.



TYPICAL MARKETS

Distribution & Warehousing
Wood Working
Metal Working
Paper & Print

GENERAL APPLICATIONS

Palletizing & Depalletizing
Feeding/Receiving
Ergonomic Positioning
System with Conveyor

KEY FEATURES

- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs with stiffener bars
- Turned, ground, polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Velocity fuses on cylinders
- Polyethylene reservoir
- Maintenance (safety) locks in base frame

- Factory tested to 110% of capacity
- Internally mounted power unit
- Pre-wired power unit with UL approved and labeled control components
- Built and designed in accordance with ANSI MH29.1

OPTIONS

- Pit mounting (requires 8 1/2" lowered height for single-high models)

BENEFITS

- Maintenance free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Extended hose life for added safety
- Controlled descent in case of severed hose – Safety first!
- Reservoir will not contain rust, weld slag or condensation apparent with metal tanks. Allows visual checking of oil level

- Easy access to hydraulic/electrical components for servicing
- Ready to operate lift with zero plumbing and minimal wiring
- Backed by the best warranty in the industry

POWER SUPPLY The electric motor is internally mounted unless otherwise noted. It is available in either 1 1/2 hp three-phase or 3/4 hp single-phase, with 24 VAC control valve.

SPECIFICATIONS: Series 35 Double Long, Double High and Double Wide

Travel (in.)	Cap. (lbs.)	Standard Platform & Base Frame (Inches)	Maximum Allowable Platform Size (in.)	Max. End Load (lbs.)	Max. Side Load (lbs.)	Lowered Height (in.)	Raised Height (in.)	Raising or Lowering Time (sec.)	Electric Motor (hp)	No. of Cyl.	Shipping Weight (lbs.)	Model No.
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Series 35 Double Long Scissors Lift Model Specifications: Up to 48" x 162"

to 24"	4,000	24x74	48x98	2,500	4,000	6 1/2	30 1/2	16	1 1/2	1	1,100	24S25DL
	6,400	24x74	48x98	4,000	6,400	6 1/2	30 1/2	22	1 1/2	1	1,150	24S40DL
	9,600	24x74	48x98	4,500	7,200	6 1/2	30 1/2	32	1 1/2	2	1,200	24S60DL
	12,000	24x74	48x98	4,500	7,200	7 1/4	31 1/4	44	1 1/2	2	1,400	24S80DL NEW!
to 36"	4,000	24x98	48x122	2,500	4,000	6 1/2	42 1/2	24	1 1/2	1	1,300	36S25DL
	6,400	24x98	48x122	3,500	5,600	6 1/2	42 1/2	34	1 1/2	1	1,350	36S40DL
	9,600	24x98	48x122	3,500	5,600	6 1/2	42 1/2	25*	5	2	1,400	36S60DL
	12,000	24x98	48x122	3,500	5,600	7 1/4	43 1/4	35*	5	2	1,650	36S80DL NEW!
to 48"	4,000	24x130	48x162	2,500	4,000	7	55	32	1 1/2	1	1,700	48S25DL
	6,400	24x130	48x162	3,500	5,600	7	55	22*	5	1	1,750	48S40DL
	9,600	24x162	48x162	3,500	5,600	7	55	33*	5	2	1,800	48S60DL
	12,000	24x130	48x162	3,500	5,600	7 3/4	55 3/4	45*	5	2	2,100	48S80DL NEW!

Series 35 Double High Scissors Lift Model Specifications: Up to 96" Travel

to 48"	2,400	24x36	36x60	2,000	1,000	13	61	16	1 1/2	1	1,100	24S25DH
	3,400	24x36	36x60	3,400	1,600	13	61	22	1 1/2	1	1,150	24S40DH
	5,400	24x36	36x60	3,500	1,600	13	61	32	1 1/2	2	1,200	24S60DH
	7,000	24x36	36x60	3,500	1,800	14	62	44	1 1/2	2	1,275	24S80DH NEW!
to 72"	1,900	24x48	36x72	1,900	1,000	13	85	24	1 1/2	1	1,300	36S25DH
	3,400	24x48	36x72	3,000	1,400	13	85	34	1 1/2	1	1,350	36S40DH
	5,400	24x48	36x72	3,000	1,400	13	85	25*	5	2	1,400	36S60DH
	7,000	24x48	36x72	3,000	1,400	14	86	35*	5	2	1,475	36S80DH NEW!
to 96"	1,700	24x64	36x96	1,700	1,000	13	110	32	1 1/2	1	1,700	48S25DH
	3,200	24x64	36x96	2,500	1,400	13	110	22*	5	1	1,750	48S40DH
	5,200	24x64	36x96	3,000	1,400	13	110	33*	5	2	1,800	48S60DH
	7,000	24x64	36x96	3,000	1,400	14	111	45*	5	2	1,875	48S80DH NEW!

Series 35 Double Wide Scissors Lift Model Specifications: Up to 72" x 96"

to 24"	4,000	48x36	72x60	4,000	2,500	6 1/2	30 1/2	16	1 1/2	1	1,100	24S25DW
	6,400	48x36	72x60	6,400	4,000	6 1/2	30 1/2	22	1 1/2	1	1,150	24S40DW
	9,600	48x36	72x60	7,200	4,500	6 1/2	30 1/2	32	1 1/2	2	1,200	24S60DW
	12,000	48x36	72x60	7,200	4,500	7 1/4	31 1/4	44	1 1/2	2	1,400	24S80DW NEW!
to 36"	4,000	48x48	72x72	4,000	2,500	6 1/2	42 1/2	24	1 1/2	1	1,300	36S25DW
	6,400	48x48	72x72	5,600	3,500	6 1/2	42 1/2	34	1 1/2	1	1,350	36S40DW
	9,600	48x48	72x72	5,600	3,500	6 1/2	42 1/2	25*	5	2	1,400	36S60DW
	12,000	48x48	72x72	5,600	3,500	7 1/4	43 1/4	35*	5	2	1,650	36S80DW NEW!
to 48"	4,000	48x64	72x96	4,000	2,500	7	55	32	1 1/2	1	1,700	48S25DW
	6,400	48x64	72x96	5,600	3,500	7	55	22*	5	1	1,750	48S40DW
	9,600	48x64	72x96	5,600	3,500	7	55	33*	5	2	1,800	48S60DW
	12,000	48x64	72x96	5,600	3,500	7 3/4	55 3/4	45*	5	2	2,100	48S80DW NEW!

*Note: Remote 5 hp super torque power units are standard for extra oil volume.

SERIES 35 TURNTABLES

Manual turntables are designed to provide workers with the ability to rotate their work to them for applications such as pallet build-up and teardown, light assembly, and welding or painting. The heavy-duty design has been developed to withstand the demands and abuses of an industrial environment, yet is exceptionally easy to turn. When used with an Autoquip lift table, these products further enhance both ergonomic and labor savings benefits by reducing reaching, bending, walking, and twisting associated with palletizing and other repetitive operations.

Series 35 Turntables come in 24 popular sized models. These models can be mounted on a scissors lift, the floor, or any stable bench or other surface. 2,500 to 6,000 lb. capacity.

(Lift not included; sold separately.)

3" dia. crowned rollers with double row heavy duty sealed for life ball bearings.

Easy turn top

1/2" thick steel plate with radius corners

Lift not included; sold separately.

TYPICAL MARKETS

Warehousing
Metalworking
Woodworking
System Integration/OEM

GENERAL APPLICATIONS

In a Paint Booth
Palletizing/Depalletizing
Assembly Table
Conveyor



KEY FEATURES

- 1/2" thick steel platform with radius corners
- Turned, ground, polished & hard-chromed kingpin
- Sealed-for-life ball bearing rollers
- Bolt pin retainer with lifetime dry lubricated bushings
- Rigid base frame with predrilled mounting holes
- Minimum turntable size is 34" x 34"

BENEFITS

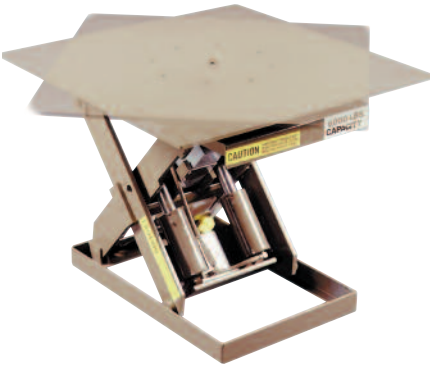
- Minimal deflection
- Maintenance-free bearings, no greasing
- Simple to relocate
- Increase production efficiency
- Enhanced safety
- Reduced worker-related fatigue

POWER SUPPLY

- The manual Series 35 Turntable is operated by hand.
- The Power Turntable is powered by a 1/4 hp, 115-230V/ 60 hz/ 1 ph motor. Controls are not supplied as standard.

CUSTOM DESIGNS

A number of "customized" engineering plans are already on file for the SR Series. Additionally, Autoquip offers computerized engineering services for development of "one-of-a-kind" manual and powered turntable applications.



SERIES 35™ TURNTABLE

SPECIFICATIONS: 2,500 to 6,000 lbs.; 4 Standard Platform Sizes; 360° Rotation

Capacity (lbs.)	Platform Size (in.)	Base Size (in.)	Total Height (in.)	Shipping Weight (lbs.)	Series 35 Model No.
Manual Turntables					
2,500	36 x 36	24 x 24	4	200	SR4-3625
4,000	36 x 36	24 x 24	4	225	SR4-3640
6,000	36 x 36	24 x 24	4	250	SR4-3660
2,500	42 x 42	24 x 24	4	275	SR4-4225
4,000	42 x 42	24 x 24	4	300	SR4-4240
6,000	42 x 42	24 x 24	4	325	SR4-4260
2,500	42 x 48	24 x 24	4	325	SR4-4248-25
4,000	42 x 48	24 x 24	4	325	SR4-4248-40
6,000	42 x 48	24 x 24	4	350	SR4-4248-60
2,500	48 x 48	24 x 24	4	350	SR4-4825
4,000	48 x 48	24 x 24	4	375	SR4-4840
6,000	48 x 48	24 x 24	4	400	SR4-4860
Powered Turntables					
2,500	36 x 36	24 x 24	10	385	SRP-3625
4,000	36 x 36	24 x 24	10	385	SRP-3640
6,000	36 x 36	24 x 24	10	385	SRP-3660
2,500	42 x 42	24 x 24	10	450	SRP-4225
4,000	42 x 42	24 x 24	10	450	SRP-4240
6,000	42 x 42	24 x 24	10	450	SRP-4260
2,500	42 x 48	24 x 24	10	485	SRP-4248-25
4,000	42 x 48	24 x 24	10	485	SRP-4248-40
6,000	42 x 48	24 x 24	10	485	SRP-4248-60
2,500	48 x 48	24 x 24	10	525	SRP-4825
4,000	48 x 48	24 x 24	10	525	SRP-4840
6,000	48 x 48	24 x 24	10	525	SRP-4860

SERIES 35 TILTERS

Tilters bring parts and hard-to-reach objects to within easy grasp of the operator in applications such as small parts handling (in bins and baskets), assembly or disassembly of large components, and stacking or un-stacking operations. They reduce the need to reach and bend over, which are the leading cause of back injuries in repetitive operating environments. When used with an Autoquip lift table, these tilters further enhance both ergonomic and labor savings benefits.

Series 35 Tilters include 12 popular sized models which can be used in a wide variety applications. 2,500 to 6,000 lb. capacities. 30 degrees to 45 degrees travel.

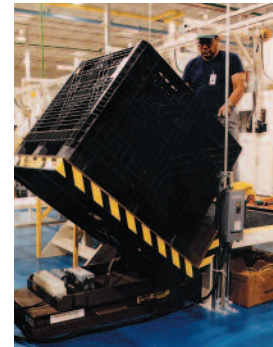


TYPICAL MARKETS

Food & Drug
Metalworking
Automotive & Transportation
Textile

GENERAL APPLICATIONS

Tilting Products
Ergonomic Positioning
Palletizing/Depalletizing



KEY FEATURES

- Lubricated-for-life composite bearings on all pivot points
- Solid steel construction
- Turned, ground, polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Polyethylene reservoir
- Maintenance (safety) locks in base-frame
- Factory tested to 110% capacity
- Internally mounted power unit
- Pre-wired power unit with UL approved and labeled controls
- Built and designed in accordance with ANSI MH29.2
- 12" high lip standard
- 28" width x 38" length minimum platform

BENEFITS

- Maintenance-free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Extended hose life for added safety
- Polyethylene reservoir will not contain rust, weld slag or condensation apparent with metal tanks. Allows visual checking of oil level
- Easy access to hydraulic/electrical components for servicing
- Ready-to-operate lift with zero plumbing and minimal wiring

POWER SUPPLY The electric motor is internally mounted. It is available in either 1 1/2 hp three-phase or 3/4 hp single-phase, with 24V AC control voltage.

CUSTOM DESIGNS

A number of "customized" engineering plans are already on file for the STE Series. Additionally, Autoquip offers computerized engineering services for development of "one-of-a-kind" ergonomic tilter applications.



SERIES 35™ TILTER

SPECIFICATIONS: 30° to 45° Travel; Capacities 2,500 to 6,000 lbs.

Travel (degrees)	Capacity (lbs.)	Standard Platform (in.)	Base Size (in.)	Lowered Height (in.)	Raising or Lowering Time (sec.)	Electric Motor (hp)	No. of Cyl.	Shipping Weight (lbs.)	Series 35 Model No.
30	2,500	44 x 44	24 x 41	8	5	1.5	1	500	STE 30-25-4
45	2,500	44 x 44	24 x 41	8	8	1.5	1	525	STE 45-25-4
30	2,500	50 x 50	24 x 41	8	5	1.5	1	600	STE 30-25-5
45	2,500	50 x 50	24 x 41	8	8	1.5	1	625	STE 45-25-5
30	4,000	44 x 44	24 x 41	8	5	1.5	1	525	STE 30-40-4
45	4,000	44 x 44	24 x 41	8	8	1.5	1	550	STE 45-40-4
30	4,000	50 x 50	24 x 41	8	5	1.5	1	625	STE 30-40-5
45	4,000	50 x 50	24 x 41	8	8	1.5	1	650	STE 45-40-5
30	6,000	44 x 44	24 x 41	8	5	1.5	1	550	STE 30-60-4
45	6,000	44 x 44	24 x 41	8	8	1.5	1	575	STE 45-60-4
30	6,000	50 x 50	24 x 41	8	5	1.5	1	650	STE 30-60-5
45	6,000	50 x 50	24 x 41	8	8	1.5	1	675	STE 45-60-5

AUTO TILT

The Auto Tilt family is the ideal solution for loading and unloading bins and baskets at a workstation. The Auto Tilt is portable and battery operated for "plug and play" at any location. This unit puts small parts or other items within reach and allows a worker easy access to the product without reaching or bending. Eliminates the risk of back injuries and makes the workplace safer and more productive. No installation required.

Auto Tilt lifts include 4 models, 2 standard configurations including a straddle design, with lifting capacities to 4,000 lbs. and a tilt angle of 0-89°.

Completely portable from job position to job position

Heavy Duty
12V Deep
Cycle Battery

89° of Tilt

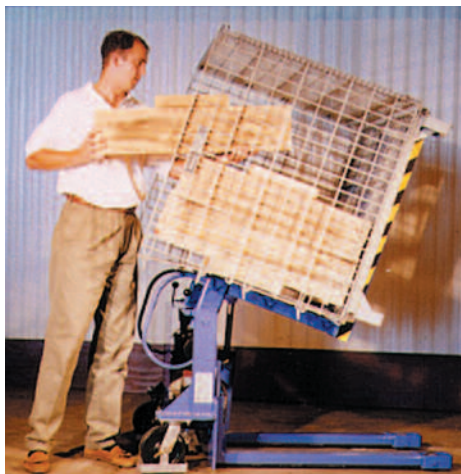


TYPICAL MARKETS

Metal Working
Automotive & Transportation
Food & Drug

GENERAL APPLICATIONS

Tilting Products
Transporting Products
Ergonomic Positioning



KEY FEATURES

- Infinitely angled from 0 to 89 degrees
- Forks 42" long, 7" wide
- Fork outside dimension is 27" wide
- Front wheels are 3" diameter phenolic wheels with dual ball bearings
- Rear casters are 8" phenolic wheels
- Forks lower to 3 1/2"
- Lifetime Warranty hydraulic cylinder seals
- Integrated floor lock is standard
- Heavy-duty 12v deep cycle battery
- Optional battery charger
- High quality enamel finish
- Permanent push-pull handle for easy movement

BENEFITS

- Allows workers to access containers without dangerous bending or reaching
- Eliminates need for permanent electrical wiring at work station
- Highly mobile for work at multiple locations
- Allows increased productivity, reduced risk of back strain

POWER SUPPLY Integral power unit with 12v DC motor. Battery is 12v. Also available in either 1 1/2 hp three-phase or 3/4 hp single-phase with 24V AC control voltage.



AUTO-TILT™

SPECIFICATIONS: 0 to 89 Degree Tilt: Capacities 2,000 or 4,000 lbs.

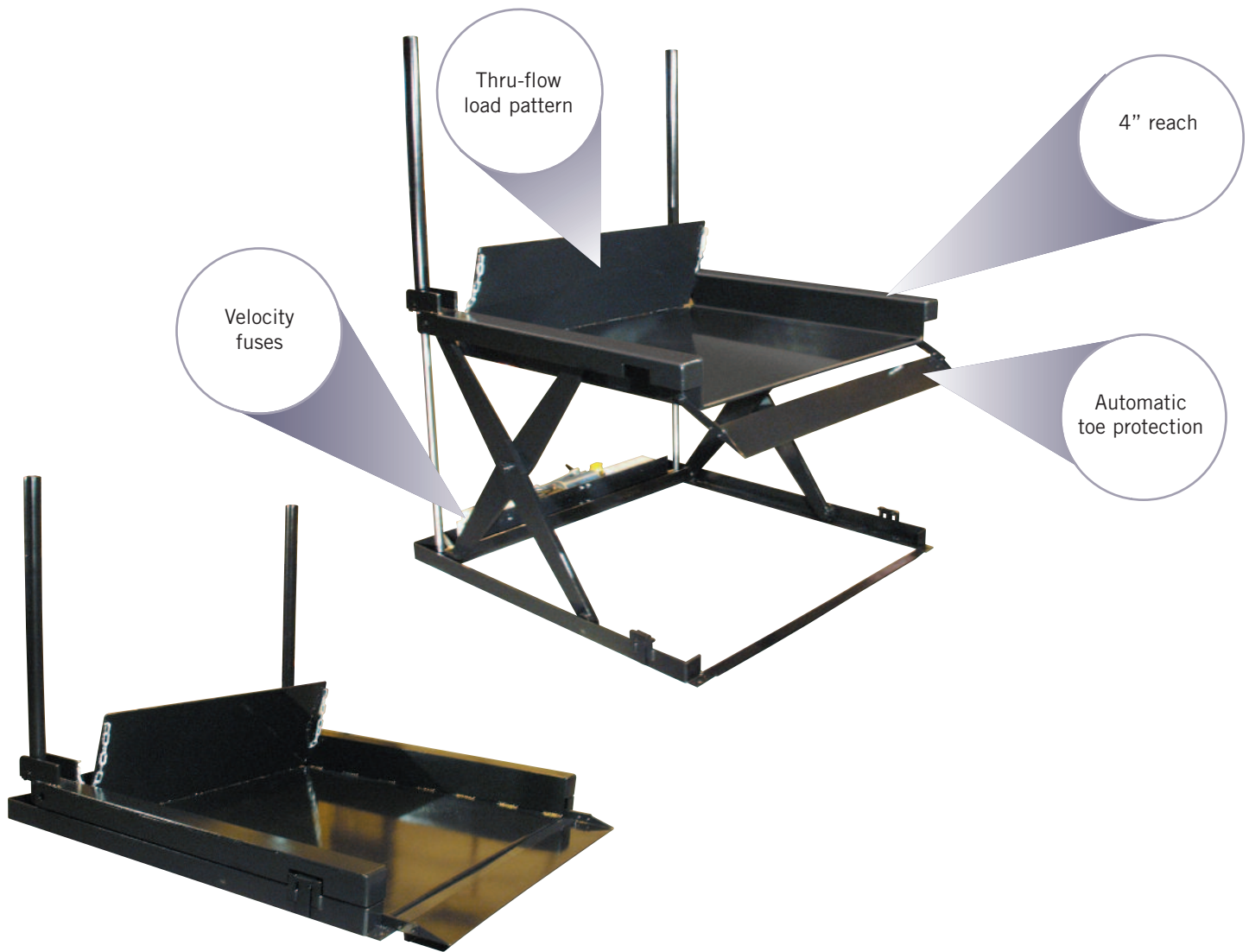
Tilt Angle (degrees)	Cap. (pounds)	Fork Width (inches)	Between Forks (inches)	Fork Length (inches)	Overall Fork Spacing (inches)	Overall Width (inches)	Overall Height (inches)	Tilt Time Empty (seconds)	Shipping Weight (pounds)	Model No.
0-89	2,000	7	13	42	27	35	36	20	745	STR 89-20
0-89	4,000	7	13	42	27	35	36	20	745	STR 89-40

STRADDLE DESIGN

0-89	2,000	7	13	42	27	56	36	20	745	STR 89-20S
0-89	4,000	7	13	42	27	56	36	20	745	STR 89-40S

XLR LOW PROFILE LOW-REACH PAN LIFTS

Designed with the Autoquip quality and dependability our customers have come to depend on, Low Profile lifts stand alone in the industry in their ability to deliver maximum capacities and travels while minimizing reaching, bending and movement by operators. Low Profile material handling equipment has been developed with the “Lean” manufacturer in mind – eliminating inefficiency and waste by bringing the work as close to the worker as possible.



TYPICAL MARKETS

Distribution & Warehousing
Metal Working
Paper & Print

GENERAL APPLICATIONS

Feeding/Receiving
Ergonomic Positioning
System with Conveyor

XLR LOW PROFILE PAN LIFTS

KEY FEATURES

- Industry best 4" reach over
- Near zero lowered height
- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs
- Turned, ground, polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Velocity fuses on cylinders
- Polyethylene reservoir
- Maintenance (safety) locks in base frame
- Factory tested to 110% of capacity
- Pre-wired power unit with UL approved and labeled control components
- Built and designed in accordance with ANSI MH29.1

OPTIONS

- Rear bridge
- Thru-flow load pattern (adds 1/4" to lowered height)

BENEFITS

- Maintenance free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Extended hose life for added safety
- Controlled descent in case of severed hose – Safety first!
- Reservoir will not contain rust, weld slag or condensation common with metal tanks. Allows visual checking of oil level
- Easy access to hydraulic/electrical components for servicing
- Ready to operate lift with zero plumbing and minimal wiring
- Backed by the best warranty in the industry

POWER SUPPLY The XLR electric motor is internally mounted unless otherwise noted. It is available in either 1 1/2 hp three-phase or 3/4 hp single-phase, with 24 VAC control valve.

SPECIFICATIONS: 2,000 to 4,000 lb. Capacities, Travel Up to 48"

Travel (in.)	Lifting Capacity	Standard Platform Size (in.)	Standard Base Size (in.)	Side Reach Over (in.)	Max. Edge Load (lbs.)	Lowered Height (in.)	Raised Height (in.)	Raising or Lowering Time (sec.)	Electric Motor (hp)	No. of Cyl.	Shipping Weight (lbs.)	Model No.
to 36"	2,000	40x48	48x60	4	1,000	0.5	36.5	24	1.5	2	950	36XLR2040 NEW!
	2,000	46x48	54x60	4	1,000	0.5	36.5	24	1.5	2	990	36XLR2046 NEW!
	2,000	52x48	60x60	4	1,000	0.5	36.5	24	1.5	2	1,030	36XLR2052 NEW!
	4,000	40x48	48x60	4	2,000	0.5	36.5	24	1.5	2	1,040	36XLR4040 NEW!
	4,000	46x48	54x60	4	2,000	0.5	36.5	24	1.5	2	1,095	36XLR4046 NEW!
	4,000	52x48	60x60	4	2,000	0.5	36.5	24	1.5	2	1,150	36XLR4052 NEW!
to 48"	2,000	40x64	48x76	4	1,000	0.5	48.5	32	1.5	2	1,490	48XLR2040 NEW!
	2,000	46x64	54x76	4	1,000	0.5	48.5	32	1.5	2	1,530	48XLR2046 NEW!
	2,000	52x64	60x76	4	1,000	0.5	48.5	32	1.5	2	1,570	48XLR2052 NEW!
	4,000	40x64	48x76	4	2,000	0.5	48.5	32	1.5	2	1,260	48XLR4040 NEW!
	4,000	46x64	54x76	4	2,000	0.5	48.5	32	1.5	2	1,315	48XLR4046 NEW!
	4,000	52x64	60x76	4	2,000	0.5	48.5	32	1.5	2	1,370	48XLR4052 NEW!

XLRA LOW PROFILE AIR POWERED PAN LIFTS

KEY FEATURES

- Industry best 4" reach over
- Air cylinders have velocity fuses
- Easy access to cylinders
- Hand valve standard with 6' hose
- Operating pressure - 80 psi
- Built in accordance with ANSI MH29.1

BENEFITS

- Requires no electricity
- Clean - no hydraulics - no oily mess
- Powered by existing shop air
- Minimum maintenance
- Explosion-proof applications

OPTIONS

- Thru-flow load pattern (adds 1/4" to lowered height)
- Foot valve operation

SPECIFICATIONS: 2,000 to 3,000 lb. Capacities, Travel Up to 48"

Travel (in.)	Lifting Capacity	Standard Platform Size (in.)	Standard Base Size (in.)	Side Reach Over (in.)	Max. Edge Load (lbs.)	Lowered Height (in.)	Raised Height (in.)	Raising or Lowering Time (sec.)	Shipping Weight (lbs.)	Model No.
to 36"	3,000	40x48	48x60	4	1,000	0.5	36.5	*	1,185	36XLRA3040 NEW!
	3,000	46x48	54x60	4	1,000	0.5	36.5	*	1,225	36XLRA3046 NEW!
	3,000	52x48	60x60	4	1,000	0.5	36.5	*	1,265	36XLRA3052 NEW!
to 48"	3,000	40x64	48x76	4	1,000	0.5	48.5	*	1,345	48XLRA3040 NEW!
	3,000	46x64	54x76	4	1,000	0.5	48.5	*	1,400	48XLRA3046 NEW!
	3,000	52x64	60x76	4	1,000	0.5	48.5	*	1,455	48XLRA3052 NEW!

*Depends on air supply.

XLT LOW PROFILE LOW-REACH PAN LIFTS

Designed with the Autoquip quality and dependability our customers have come to depend on, Low Profile lifts stand alone in the industry in their ability to deliver maximum capacities and travels while minimizing reaching, bending and movement by operators. Low Profile material handling equipment has been developed with the “Lean” manufacturer in mind – eliminating inefficiency and waste by bringing the work as close to the worker as possible.



TYPICAL MARKETS

Distribution & Warehousing
Metal Working
Paper & Print

GENERAL APPLICATIONS

Feeding/Receiving
Ergonomic Positioning
System with Conveyor

XLT LOW PROFILE LIFT AND TURN COMBINATION

KEY FEATURES

- 5 3/4" lowered height
- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs
- Turned, ground polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Velocity fuses on cylinders
- Polyethylene reservoir
- Maintenance (safety) locks in baseframe
- Factory tested to 110% of capacity
- Pre-wired power unit with UL approved and labeled control components
- Built and designed in accordance with ANSI MH29.1

OPTIONS

- Accordion skirts
- Turntable detents
- Conveyor options
- Air motor

BENEFITS

- Maintenance free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Extended hose life for added safety
- Controlled descent in case of severed hose – Safety first!
- Reservoir will not contain rust, weld slag or condensation common with metal tanks. Allows visual checking of oil level
- Easy access to hydraulic/electrical components for servicing
- Backed by the best warranty in the industry

POWER SUPPLY The electric motor is remote and is available in either 1 1/2 hp three-phase or 3/4 hp single-phase with 24 VAC control voltage.

SPECIFICATIONS: 4,000 lb. Capacity, Travel Up to 48", Remote Power Unit

Travel (in.)	Lifting Capacity (lbs.)	Standard Platform Size (in.)	Standard Base Size (in.)	Max. Edge Load (lbs.)	Lowered Height (in.)	Raised Height (in.)	Raising or Lowering Time (sec.)	Electric Motor (hp)	No. of Cyl.	Shipping Weight (lbs.)	Model No.
36"	4,000	48x48	46x48	2,000	5.75	41.75	17	1.5	2	1,650	36XLT4048 NEW!
48"	4,000	48x64	46x64	2,000	5.75	53.75	22	1.5	2	1,950	48XLT4048 NEW!

AIR FORCE LIFT

The Air Force scissors lifts provide durable and safe lifting solutions for applications which require air operation rather than hydraulic, such as explosion-proof or environmentally sensitive locations. These lifts are powered by heavy-duty Firestone Airstroke actuators, connected to your plant's shop air system. These lifts are used in a wide variety of applications to improve worker ergonomics and enhance plant efficiencies. Air Force lifts offer a high quality, low cost and portable lifting solution which can be purchased standard, or customized to fit specific application requirements.

The Air Force Series of lifts comes in 7 popular sized models. Capacities of 2,500 and 5,000 lb. with 24" vertical travel.



TYPICAL MARKETS

Automotive & Transportation
Chemicals & Plastics
Aerospace
Food & Drug

GENERAL APPLICATIONS

Explosion Proof Environment
Clean Room Environment
Wash Down Environment
Assembly Table
Palletizing/Depalletizing



Air Bag Lift and Tilter



KEY FEATURES

- Rigid base – no lag down required
- Portable base design incorporates built-in Pallet Jack pockets
- Removable gibs for easy access
- Relief valve to protect airbag from over pressure
- Easy access to airbag
- Downspeed flow control
- Hand valve standard
- Operating pressure – 80 psi
- Firestone airbag
- Built and designed in accordance with ANSI MH29.1

BENEFITS

- Requires no electricity
- Clean – no hydraulics – no oily mess
- Powered by existing shop air
- Portable – easy to move with Pallet Jack or Fork Truck
- Maintenance free
- Explosion-proof applications

CUSTOM DESIGNS

A number of “customized” engineering plans are already on file for the Air Force Series. Additionally, Autoquip offers computerized engineering services for development of “one-of-a-kind” air powered applications.



AIR FORCE LIFT

SPECIFICATIONS: Capacities – 2,500 to 5,000 lbs.

Travel (inches)	Cap. (Max Lbs.)	Baseframe Size (inches)	Platform Sizes (inches)	Lowered Height (inches)	Raised Height (inches)	Underclearance for Pallet Jack (inches)	No. of Airbags	Max. Operating Pressure	Model
24	2,500	36 x 48	36 x 48	9 ½	33 ½	3 ¾	1	80 psi	24AF25-1
24	2,500	36 x 48	48 x 48	9 ½	33 ½	3 ¾	1	80 psi	24AF25-2
24	2,500	36 x 48	48 x 54	9 ½	33 ½	3 ¾	1	80 psi	24AF25-3
24	2,500	36 x 48	48 x 60	9 ½	33 ½	3 ¾	1	80 psi	24AF25-4
24	5,000	36 x 48	48 x 48	9 ½	33 ½	3 ¾	2	80 psi	24AF50-1
24	5,000	36 x 48	48 x 54	9 ½	33 ½	3 ¾	2	80 psi	24AF50-2
24	5,000	36 x 48	48 x 60	9 ½	33 ½	3 ¾	2	80 psi	24AF50-3

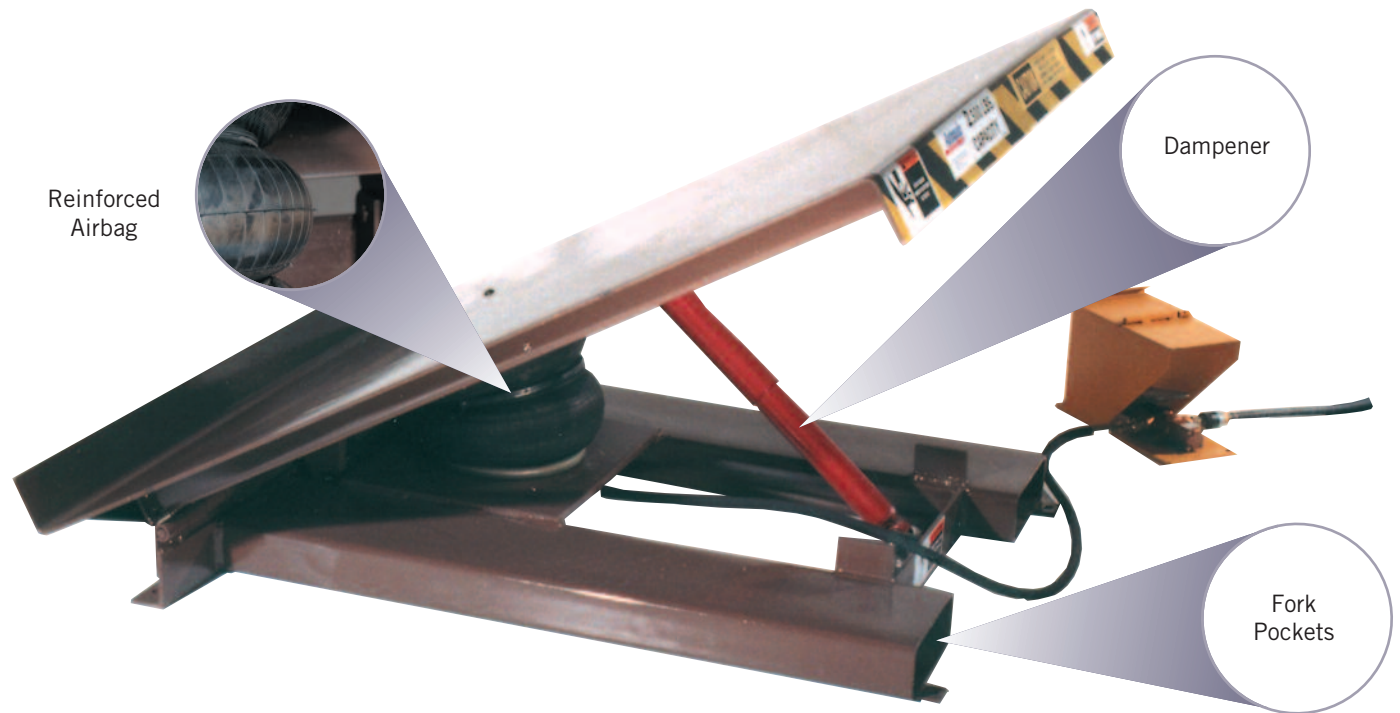
SPECIFICATIONS: Air Bag Lift & Tilt Combination Model

Travel (inches)	Tilt (degrees)	Cap. (Max Lbs.)	Baseframe Size (inches)	Platform Sizes (inches)	Lowered Height (inches)	Raised Height (inches)	Underclearance for Pallet Jack (inches)	Max. Operating Pressure	Model
24	30	3,000	36 x 48	48 x 48	16 ¾	38 ¾	3 ¾	80 psi	24AFT30 NEW!

AIR FORCE TILTER

The Autoquip Air Force tilter brings parts and hard-to-reach objects to within easy grasp of the operator in a wide variety of industrial tilting applications – utilizing air, rather than hydraulics. Air Force tilters are powered by heavy-duty Firestone Airstroke actuators, which are connected to your plant's shop air system. These tilters reduce the need to reach and bend - the leading causes of back injuries in repetitive operating environments.

The Air Force tilter comes sized in a capacity of 3,000 with 30° of available tilt.



TYPICAL MARKETS

Automotive & Transportation
Chemicals & Plastics
Aerospace
Food & Drug

GENERAL APPLICATIONS

Explosion Proof Environment
Clean Room Environment
Wash Down Environment
Assembly Table



KEY FEATURES

- Rigid base — no lag down required
- Portable base design incorporates built-in Pallet Jack pockets
- Removable gibs for easy access
- Relief valve to protect airbag from over pressure
- Easy access to airbag
- Foot valve standard with 6' hose
- Hand valve control standard with 6' hose
- Operating pressure — 80 psi
- Air damper to reduce “bounce”
- Built and designed in accordance with ANSI MH29.2

BENEFITS

- Requires no electricity
- Clean — no hydraulics — no oily mess
- Powered by existing shop air
- Portable — easy to move with Fork Truck
- Maintenance free
- Explosion-proof applications



AIR FORCE TILTER

SPECIFICATIONS:

Travel (degrees)	Capacity (Lbs.)	Baseframe Size (inches)	Platform Sizes (inches)	Lowered Height (inches)	Raised Height (inches)	No. of Airbags	Max. Operating Pressure	Model
30	3,000	36 x 48	48 x 48	7 ¼	33 ½	1	80 psi	STA-4830

DOUBLE PANTOGRAPH LIFTS

Autoquip Double Pantograph lifts are designed to provide the most stable high travel lifting solution available in scissors lifts with minimal footprint and platform size. Double Pantograph lifts are used in a variety of applications where heavy loads need to be raised higher than conventional scissors lifts are capable - as is the case with conveyor systems, freight elevation to mezzanines or other second level storage locations, and in the repair or assembly of tall products. These lifts provide an effective and economical solution to lifting applications which require vertical travels up to 96" and load capacities up to 6,000 pounds.

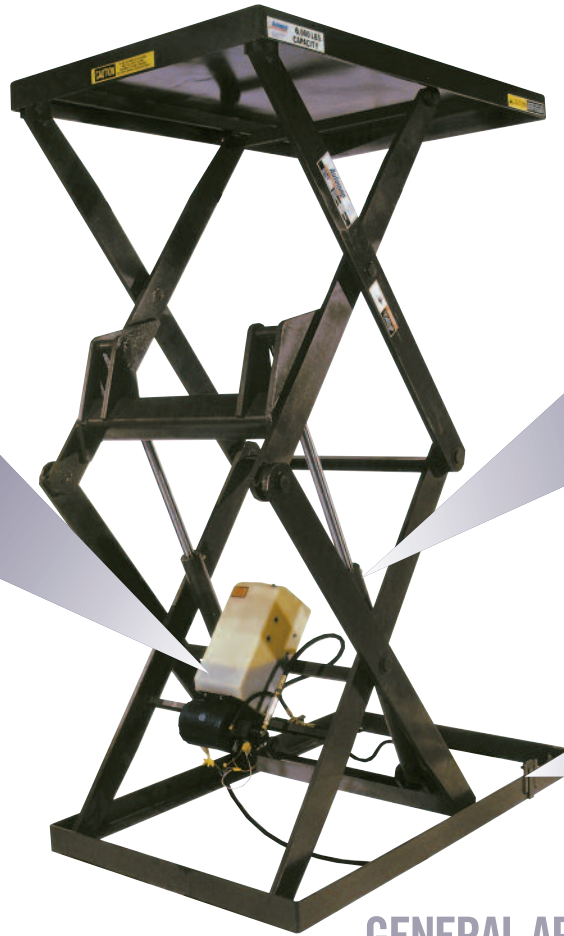
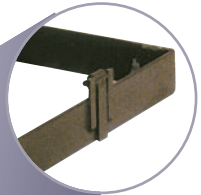
Double pantograph lifts include 8 popular sized models which can be used in a wide variety of lifting applications. 3,000 and 6,000 lb. capacities. 60" to 96" travel.

Internal mounted 5 hp power unit



Velocity fuse to prevent uncontrollable descent

Maintenance locks for easy accessibility to power unit and cylinder(s)

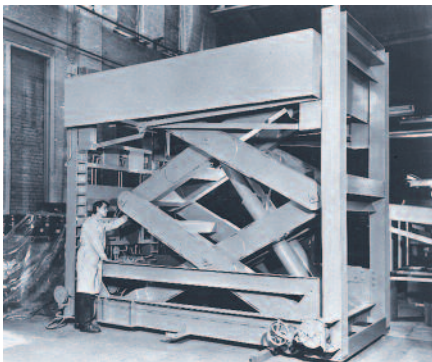


TYPICAL MARKETS

Distribution & Warehousing
OEM/Systems Integrator
Automotive & Transportation
Food & Drug

GENERAL APPLICATIONS

Palletizing & Depalletizing
Systems with Conventional Top
Ergonomic Positioning
Materials Lift



KEY FEATURES

- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs
- Turned, ground, polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Velocity fuses on cylinders
- Maintenance (safety) locks in base frame
- Internally mounted power unit
- Built and designed in accordance with ANSI MH29.1
- Factory tested to 110% of capacity



DOUBLE PANTOGRAPH LIFT

BENEFITS

- Maintenance-free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Extended hose life for added safety
- High efficiency motor provides faster raising times
- Easy servicing of hydraulic valve components
- Easy access to hydraulic/electrical components for servicing
- Controlled descent in case of severed hose — Safety first!

POWER SUPPLY The 5 hp “DP” lift motor and the 1.5 hp “Q” lift motor are internally mounted.

CUSTOM DESIGNS A number of “customized” engineering plans are already on file for the DP Series. Additionally, Autoquip offers computerized engineering services for development of “one-of-a-kind” double pantograph applications.

“DP” LIFT SPECIFICATIONS: 60" to 96" Travel; Capacities — 3,000 and 6,000 lbs.

Travel (Inches)	Capacity (Max. lbs.)	Base & Std. Min. Platform (Inches)	Std. Max. Platform (Inches)	Lowered Height (Inches)	Raised Height (Inches)	Max. End Load (lbs.)	Max. Side Load (lbs.)	Speed Sec-FPM	Shipping Weight (lbs.)	Model
60	3000	36x60	48x84	14-3/4	74-3/4	3000	2000	25-12	1500	60DP30
60	6000	36x60	48x84	14-3/4	74-3/4	4500	2000	25-12	1500	60DP60
72	3000	36x60	48x84	14-3/4	86-3/4	3000	2000	30-12	1500	72DP30
72	6000	36x60	48x84	14-3/4	86-3/4	4500	2000	30-12	1500	72DP60
84	3000	48x72	60x96	15-3/4	99-3/4	3000	2000	42-10	2000	84DP30
84	6000	48x72	60x96	15-3/4	99-3/4	4500	2000	42-10	2000	84DP60
96	3000	48x72	60x96	15-3/4	111-3/4	3000	2000	48-10	2000	96DP30
96	6000	48x72	60x96	15-3/4	111-3/4	4500	2000	48-10	2000	96DP60

“Q” LIFT SPECIFICATIONS: 54" to 74" Travel; Capacities — 1,000 to 5,000 lbs. — Low Profile

Travel (Inches)	Capacity (Max. lbs.)	Base & Std. Min. Platform (Inches)	Std. Max. Platform (Inches)	Lowered Height (Inches)	Raised Height (Inches)	Max. End Load (lbs.)	Max. Side Load (lbs.)	Speed Sec-FPM	Shipping Weight (lbs.)	Model
54	1500	30x42	48x72	7	61	1500	1500	16	935	54Q15
	3500	30x42	48x66	7	61	2000	2000	31	1000	54Q35
	5000	36x42	48x60	7	61	2500	2500	44	1100	54Q50
62	1500	30x50	48x78	10-3/4	72-3/4	1500	1500	16	1000	62QS15
	3000	30x50	48x72	10-3/4	72-3/4	2000	2000	31	1075	62QS30
	5000	36x50	48x66	10-3/4	72-3/4	2500	2500	44	1190	62QS50
65	1200	30x50	48x78	7	72	1200	1200	16	1000	65Q12
	2500	30x50	48x78	7	72	1500	1500	31	1075	65Q25
	4000	36x50	48x72	7	72	2000	2000	44	1190	65Q40
74	1000	30x50	48x84	7	81	1000	1000	16	1050	74Q10
	2000	30x50	48x78	7	81	1500	1500	31	1125	74Q20
	3500	36x50	48x72	7	81	2000	2000	44	1240	74Q35

TITAN PRECISION TABLES

The Titan family offers a wide range of platform sizes and capabilities for all your unique lifting needs. This family of lifts served as the foundation for many of the lifts that Autoquip currently manufactures. With Autoquip's engineering department, this lift can be designed to meet all of those "special application" needs.

The Titan Series of Precision Tables includes multiple models for tough, industrial applications. 1,000 to 15,000 lb. capacities. 13" to 84" travel. Other sizes available.



Velocity fuse to prevent uncontrollable descent

Solid steel legs with leg stiffener bars for minimal platform deflection

Oversized, 3" diameter, heavy-duty rollers for extended life

TYPICAL MARKETS

Warehousing & Distribution
Woodworking
Metalworking
System Integration/OEM

GENERAL APPLICATIONS

Palletizing/Depalletizing
Feeding/Receiving
Conveyor Top
Assembly Table

KEY FEATURES

- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs
- Turned, ground, polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Velocity fuses on all cylinders
- Super torque motor
- Maintenance (safety) locks in base-frame
- Internally mounted power unit
- Built and designed in accordance with ANSI MH29.1
- Factory tested to 110% of capacity

BENEFITS

- Maintenance-free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Extended hose life for added safety
- High efficiency motor provides faster raising times
- Easy servicing of hydraulic valve components
- Easy access to hydraulic/electrical components for servicing

POWER SUPPLY The super torque electric motor is internally mounted. It is available in either 1 1/2hp three phase or 3/4 hp single phase.

CUSTOM DESIGNS A number of "customized" engineering plans are already on file for the Titan Series. Additionally, Autoquip offers computerized engineering services for development of "one-of-a-kind" Titan applications.

SPECIFICATIONS: 13" to 31" Travel Series

	Capacity (Pounds)	Base Frame (Inches)	Standard Minimum Platform Size (Inches)	Maximum Platform Size (Optional Extra Inches)	Maximum Loading (Standard Platform Only)		Lowered Height (Inches)	Raised Height (Inches)	Raising Time (Seconds)	Motor (HP)	Number of Rams	Shipping Weight (Pounds)	Model No.
					End	Side							
13" TRAVEL	1,500	24x48	24x48	48x96	1,500	1,500	6	19	4	1 1/2	1	640	13A3E15
	2,500	24x38	24x36	48x60	2,500	2,500	6 1/2	19 1/2	5	1 1/2	1	530	13A2D25
	3,000	48x48	48x48	60x96	3,000	3,000	6 1/4	19 1/4	7	1 1/2	2	977	13B3E30EXW
	3,500	24x48	24x48	48x96	3,500	3,000	6	19	7	1 1/2	2	700	13B3E35
	4,500	24x38	24x36	48x60	4,500	4,500	10 1/2	23 1/2	6	1 1/2	1	650	13A1D45
	6,000	24x38	24x36	48x60	6,000	4,500	6 3/4	19 3/4	8	1 1/2	2	590	13B2D60
	9,000	24x38	24x36	48x60	6,000	4,500	7 1/2	20 1/2	13	1 1/2	3	680	13C2D90
	10,000	24x38	24x36	48x60	8,000	6,500	10 3/4	23 3/4	11	1 1/2	2	760	13B1D100
	15,000	24x38	24x36	48x60	8,000	6,500	10 3/4	23 3/4	16	1 1/2	3	800	13C1D150
18" TRAVEL	1,500	24x48	24x48	48x96	1,500	1,500	6	24	6	1 1/2	1	640	18A3E15
	2,500	24x38	24x36	48x60	2,500	2,500	6 1/2	24 1/2	6	1 1/2	1	530	18A2D25
	3,000	48x48	48x48	60x96	3,000	3,000	6 1/4	24 1/4	10	1 1/2	2	980	18B3E30EXW
	3,500	24x48	24x48	48x96	2,400	3,000	6	24	10	1 1/2	2	700	18B3E35
	4,000	24x38	24x36	48x60	4,000	4,000	10 1/2	28 1/2	8	1 1/2	1	650	18A1D40
	4,500	24x48	24x48	48x96	4,500	4,500	14	32	8	1 1/2	1	825	18A4E45
	6,000	24x38	24x36	48x60	6,000	4,500	6 3/4	24 3/4	11	1 1/2	2	590	18B2D60
	9,000	24x38	24x36	48x60	6,000	4,500	7 1/2	25 1/2	16	1 1/2	3	680	18C2D90
	13,000	24x38	24x36	48x60	8,000	6,500	10 3/4	28 3/4	21	1 1/2	3	800	18C1D130
	14,000	48x48	48x48	60x96	6,500	5,000	12	30	21	1 1/2	3	1,401	18C4E140EXW
	14,500	24x48	24x48	48x96	6,500	5,000	12	30	21	1 1/2	3	1,000	18C4E145
20" TRAVEL	1,500	24x48	24x48	48x96	1,500	1,500	6	26	6	1 1/2	1	640	20A3E15
	2,500	24x38	24x36	48x60	2,500	2,500	6 1/2	26 1/2	7	1 1/2	1	530	20A2D25
	3,000	48x48	48x48	60x96	3,000	3,000	6 1/4	26 1/4	11	1 1/2	2	980	20B3E30EXW
	3,500	24x48	24x48	48x96	3,500	3,000	6	26	11	1 1/2	2	700	20B3E35
	4,000	24x38	24x36	48x60	4,000	4,000	10 1/2	30 1/2	18	1 1/2	1	650	20A1D40
	6,000	24x38	24x36	48x60	6,000	4,500	6 3/4	26 3/4	12	1 1/2	2	590	20B3D60
	9,000	24x38	24x36	48x60	6,000	4,500	7 1/2	27 1/2	19	1 1/2	3	680	20C2D90
	12,000	24x38	24x36	48x60	8,000	6,500	10 3/4	30 3/4	23	1 1/2	3	800	20C1D120
24" TRAVEL	1,500	24x48	24x48	48x96	1,500	1,500	6	30	8	1 1/2	1	640	24A3E15
	2,500	24x38	24x36	48x60	2,500	2,500	6 1/2	30 1/2	8	1 1/2	1	530	24A2D25
	3,000	48x48	48x48	60x96	3,000	3,000	6 1/4	30 1/4	14	1 1/2	2	940	24B3E30EXW
	3,500	24x48	24x48	48x96	3,500	3,000	6	30	14	1 1/2	2	700	24B3E35
	4,000	24x48	24x48	48x96	4,000	4,000	12	36	21	1 1/2	1	825	24A4E40
	6,000	24x38	24x36	48x60	5,500	4,500	6 3/4	30 3/4	15	1 1/2	2	590	24B2D60
	8,000	24x48	24x48	48x96	6,500	5,000	12 1/4	36 1/4	19	1 1/2	2	950	24B4E80
	9,000	24x38	24x36	48x60	6,000	4,500	7 1/2	31 1/2	22	1 1/2	3	680	24C2D90
	11,500	48x48	48x48	60x96	6,500	5,000	12	36	28	1 1/2	3	1,390	24C4E115EXW
	12,000	24x48	24x48	48x96	6,500	5,000	12	36	28	1 1/2	3	1,000	24C4E120
26" TRAVEL	1,500	24x48	24x48	48x96	1,500	1,500	6	32	9	1 1/2	1	640	26A3E15
	2,500	24x38	24x36	48x60	2,500	2,500	6 1/2	32 1/2	9	1 1/2	1	530	26A2D25
	3,000	48x48	48x48	60x96	3,000	3,000	6 1/4	32 1/4	15	1 1/2	2	940	26B3E30EXW
	3,500	24x48	24x48	48x96	3,500	3,000	6	32	15	1 1/2	2	700	26B3E35
	5,000	24x38	24x36	48x60	4,500	4,500	6 3/4	32 3/4	15	1 1/2	2	590	26B2D50
	6,000	24x48	24x48	48x96	4,500	3,000	7 1/4	33 1/4	22	1 1/2	3	770	26C3E60
	8,000	24x38	24x36	48x60	6,000	4,500	7 1/2	33 1/2	22	1 1/2	3	680	26C2D80
31" TRAVEL	2,000	24x44	24x42	48x60	2,000	2,000	6	37	9	1 1/2	1	590	31A5D20
	4,000	24x44	24x42	48x72	2,500	3,500	6	37	15	1 1/2	2	640	31B5D40
	6,000	24x44	24x42	48x72	3,500	3,500	7 1/4	38 1/4	23	1 1/2	3	700	31C5D60

SPECIFICATIONS: 32" to 48" Travel Series

	Capacity (Pounds)	Base Frame (Inches)	Standard Minimum Platform Size (Inches)	Maximum Platform Size (Optional Extra Inches)	Maximum Loading (Standard Platform Only)		Lowered Height (Inches)	Raised Height (Inches)	Raising Time (Seconds)	Motor (HP)	Number of Rams	Shipping Weight (Pounds)	Model No.
					End	Side							
32" TRAVEL	2,000	24x48	24x48	36x60	2,000	2,000	6	38	11	1 1/2	1	640	32A3E20
	2,500	48x48	48x48	60x84	2,500	2,500	6 1/4	38 1/4	19	1 1/2	2	940	32B3E25EXW
	3,000	24x48	24x48	48x84	3,000	3,000	6	38	19	1 1/2	2	700	32B3E30
	4,000	24x48	24x48	48x72	3,200	3,000	6	38	19	1 1/2	2	700	32B3E40
	5,000	24x48	24x48	48x84	4,500	3,000	7 1/4	39 1/4	28	1 1/2	3	770	32C3E50
	6,000	24x48	24x48	48x72	4,500	3,000	7 1/4	39 1/4	28	1 1/2	3	770	32C3E60
	7,000	24x48	24x48	48x72	6,500	5,000	8 3/4	40 3/4	31	1 1/2	3	925	32C3E70
	8,000	24x48	24x48	48x72	6,500	5,000	8 3/4	40 3/4	31	1 1/2	3	940	32C4E80
	9,000	24x48	24x48	48x96	6,500	5,000	8 3/4	40 3/4	31	1 1/2	3	940	32C4E90
	9,500	48x48	48x48	60x96	6,500	5,000	10 1/4	41 1/2	31	1 1/2	3	1,290	32C4E95EXW
	10,000	24x48	24x48	48x96	6,500	5,000	9 1/2	41 1/2	31	1 1/2	3	970	32C4E100
36" TRAVEL	1,000	24x48	24x48	48x84	1,000	1,000	6	42	12	1 1/2	1	640	36A3E10
	2,000	24x48	24x48	36x60	2,000	2,000	6	42	12	1 1/2	1	640	36A3E20
	2,500	48x48	48x48	60x72	2,500	2,500	6 1/4	42 1/4	21	1 1/2	2	940	26B3E25EXW
	3,000	24x48	24x48	48x84	2,400	3,000	6	42	21	1 1/2	2	700	36B3E30
	4,000	24x48	24x48	48x72	2,400	3,000	6	42	21	1 1/2	2	700	36B3E40
	5,000	24x48	24x48	48x84	3,000	3,000	7 1/4	43 1/4	31	1 1/2	3	770	36C3E50
	5,500	48x48	48x48	60x72	3,000	3,000	7 1/2	43 1/2	31	1 1/2	3	1,070	36C3E55EXW
	6,000	24x48	24x48	48x72	3,000	3,000	7 1/4	43 1/4	31	1 1/2	3	780	36C3E60
	8,000	24x64	24x64	48x96	7,000	5,000	11 3/4	47 3/4	38	1 1/2	3	1,190	36C8F80
	10,000	24x64	24x64	48x120	7,000	5,000	18 3/4	54 3/4	39	1 1/2	3	1,080	36C8F100
	12,000	24x64	24x64	48x120	7,000	5,000	18 3/4	54 3/4	39	1 1/2	3	1,080	36C8F120
42" TRAVEL	1,000	24x64	24x64	30x72	1,000	1,000	6 1/2	48 1/2	15	1 1/2	1	790	42A6F10
	2,000	24x64	24x64	30x72	2,000	2,000	7 1/2	49 1/2	16	1 1/2	1	820	42A6F20
	2,500	48x64	48x64	60x120	2,500	2,500	6 3/4	48 3/4	26	1 1/2	2	1,130	42B8F25EXW
	3,000	24x64	24x64	48x120	3,000	2,500	6 1/2	48 1/2	26	1 1/2	2	860	42B6F30
	4,000	24x64	24x64	48x96	3,500	2,500	7 1/2	49 1/2	27	1 1/2	2	890	42B6F40
	4,500	48x64	48x64	60x120	3,500	2,500	7 1/2	49 1/2	39	1 1/2	3	1,242	42C6F45EXW
	5,000	24x64	24x64	48x120	3,500	2,500	7	49	39	1 1/2	3	920	42C6F50
	6,000	24x64	24x64	48x96	3,500	2,500	7 1/2	49 1/2	40	1 1/2	3	960	42C6F60
	8,000	24x64	24x64	48x96	7,000	5,000	11 3/4	53 3/4	45	1 1/2	3	1,180	42C8F80
	9,500	48x64	48x64	60x120	7,000	5,000	11 3/4	53 3/4	45	1 1/2	3	1,682	42C8F95EXW
	10,000	24x64	24x64	48x120	7,000	5,000	11 3/4	53 3/4	45	1 1/2	3	1,180	42C8F100
	12,000	24x64	24x64	48x120	7,000	5,000	13 1/4	55 1/4	46	1 1/2	3	1,180	42C8F120
48" TRAVEL	1,000	24x64	24x64	30x72	1,000	1,000	6 1/2	54 1/2	17	1 1/2	1	790	48A6F10
	2,000	24x64	24x64	30x72	2,000	2,000	7 1/2	55 1/2	18	1 1/2	1	820	48A6F20
	2,500	48x64	48x64	60x96	2,500	2,500	6 3/4	54 3/4	30	1 1/2	2	1,130	48B6F25EXW
	3,000	24x64	24x64	48x96	2,500	2,500	6 1/2	54 1/2	30	1 1/2	2	860	48B6F30
	4,000	24x64	24x64	48x90	3,500	2,500	7 1/2	55 1/2	30	1 1/2	2	890	48B6F40
	4,500	48x64	48x64	60x120	3,500	2,500	7 1/2	55 1/2	45	1 1/2	3	1,242	48C6F45EXW
	5,000	24x64	24x64	48x120	3,500	2,500	7	55	45	1 1/2	3	920	48C6F50
	6,000	24x64	24x64	48x78	3,500	2,500	7 1/2	55 1/2	45	1 1/2	3	960	48C6F60
	7,500	48x64	48x64	54x96	7,000	5,000	10 1/4	58 1/4	46	1 1/2	3	1,902	48C8F75EXW
	8,000	24x64	24x64	48x96	7,000	5,000	10	58	46	1 1/2	3	1,200	48C8F80

SPECIFICATIONS: 56" to 84" Travel Series

	Capacity (Pounds)	Base Frame (Inches)	Standard Minimum Platform Size (Inches)	Maximum Platform Size (Optional Extra Inches)	Maximum Loading (Standard Platform Only)		Lowered Height (Inches)	Raised Height (Inches)	Raising Time (Seconds)	Motor (HP)	Number of Rams	Shipping Weight (Pounds)	Model No.
					End	Side							
56" TRAVEL	1,000	24x81	24x81	30x96	1,000	1,000	6 3/4	62 3/4	16	1 1/2	1	1,050	56A12F10
	1,500	24x101	24x101	36x120	1,500	1,500	7	63	22	1 1/2	2	1,040	56B13F15
	2,500	24x81	24x81	30x96	2,500	2,000	6 3/4	62 3/4	28	1 1/2	2	1,120	56B12F25
	3,000	48x81	48x81	54x96	2,500	2,000	7 1/2	63 1/2	43	1 1/2	3	1,369	56C12F30EXW
	3,500	24x81	24x81	30x96	2,500	2,000	7 1/2	63 1/2	42	1 1/2	3	1,190	56C12F35
	5,000	24x101	24x101	30x120	4,200	3,100	11 1/2	67 1/2	36	1 1/2	3	1,600	56C14F50
	6,000	24x101	24x101	30x120	4,200	3,100	11 1/2	67 1/2	36	1 1/2	3	1,630	56C14F60
60" TRAVEL	1,000	24x81	24x81	30x96	1,000	1,000	6 3/4	66 3/4	17	1 1/2	1	1,050	60A12F10
	1,500	24x101	24x101	36x120	1,500	1,500	7	67	24	1 1/2	2	1,040	60B13F15
	2,500	24x81	24x81	30x96	2,200	2,000	6 3/4	66 3/4	30	1 1/2	2	1,120	60B12F25
	3,000	48x81	48x81	54x96	2,500	2,000	7 1/2	67 1/2	46	1 1/2	3	1,369	60C12F30EXW
	3,500	24x81	24x81	30x96	2,500	2,000	7 1/2	67 1/2	45	1 1/2	3	1,190	60C12F35
	4,000	24x81	24x81	30x96	2,500	2,000	7 1/2	67 1/2	45	1 1/2	3	1,190	60C12F40
	5,000	24x101	24x101	30x120	4,200	3,100	11 1/2	71 1/2	38	1 1/2	3	1,850	60C14F50
	6,000	24x101	24x101	30x120	4,200	3,100	11 1/2	71 1/2	38	1 1/2	3	1,600	60C14F60
72" TRAVEL	1,000	24x101	24x101	36x144	1,000	1,000	7	79	30	1 1/2	2	1,040	72B13F10
	1,500	24x101	24x101	36x120	1,500	1,500	7	79	32	1 1/2	2	1,060	72B13F15
	2,000	48x101	48x101	54x120	2,000	1,500	7	79	44	1 1/2	3	1,550	72C13F20EXW
	2,500	24x101	24x101	36x120	2,000	1,500	7	79	44	1 1/2	3	1,100	72C13F25
	3,500	24x101	24x101	36x144	3,500	3,100	11 1/2	83 1/2	30	1 1/2	2	1,530	72B14F35
	5,000	24x120	24x120	30x144	3,500	2,600	12 1/2	84 1/2	39	1 1/2	3	1,600	72C16F50
	5,500	48x101	48x101	54x120	4,200	3,100	11 1/2	83 1/2	45	1 1/2	3	1,660	72C14F55EXW
	6,000	24x101	24x101	30x120	4,200	3,100	11 1/2	83 1/2	45	1 1/2	3	1,600	72C14F60
84" TRAVEL	1,200	24x120	24x120	60x144	1,200	1,200	12 1/2	96 1/2	30	1 1/2	2	1,740	84B16F12
	1,500	48x120	48x120	54x144	1,500	1,500	12 1/2	96 1/2	30	1 1/2	2	1,902	84B16F15EXW
	2,000	24x120	24x120	60x144	2,000	2,000	12 1/2	96 1/2	30	1 1/2	2	1,750	84B16F20
	3,000	24x120	24x120	30x144	3,000	2,600	12 1/2	96 1/2	30	1 1/2	2	1,790	84B16F30
	4,500	48x120	48x120	54x144	3,500	2,600	12 1/2	96 1/2	45	1 1/2	3	2,197	84C16F45EXW
	5,000	24x120	24x120	30x144	3,500	2,600	12 1/2	96 1/2	45	1 1/2	3	1,860	84C16F50

SUPER TITAN

Super Titans are the “Big Boys” of the Autoquip line of scissors lifts. These units are capable of lifting tons of material and are fitted with oversize platforms to accommodate the largest of loads. The double set of scissor legs gives added stability for the larger platform sizes offered in this series.

The Super Titan Series includes models for heavy-duty, custom applications. 8,000 to 85,000 lb. capacities. 12" to 120" travel.



Velocity fuse to prevent uncontrollable descent

Solid steel legs for minimal platform deflection

Heavy-Duty Rams

TYPICAL MARKETS

Metalworking
Aerospace
Automotive & Transportation
Government

GENERAL APPLICATIONS

Assembly
Maintenance Table
Conveyor
Feeding & Receiving



KEY FEATURES

- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs (8", 10" or 12" X 1 1/2" thick)
- Minimum platform thickness of 1/2"
- Turned, ground, polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Velocity fuses on cylinders
- Four-inch hydraulic rams with solid steel rods, hard chrome plated.
- Built and designed in accordance with ANSI MH29.1
- Factory tested to 110% of capacity
- Maintenance legs

BENEFITS

- Maintenance-free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Extended hose life for added safety
- High efficiency motor provides faster raising times
- Easy servicing of hydraulic valve components
- Extended cylinder life
- Controlled descent in case of severed hose — Safety first!

POWER SUPPLY The remote 5 hp electric motor will satisfactorily operate on any of the following 3 phase voltages: 208, 220, 230, 240, 440, 460 or 480.

CUSTOM DESIGNS A number of "customized" engineering plans are already on file for the Super Titan Series. Additionally, Autoquip offers computerized engineering services for development of "one-of-a-kind" Super Titan applications.

SUPER TITAN™

SPECIFICATIONS: 12" Travel Series

	Lifting Capacity (Pounds)	Base Frame and Std. Min. Platform Size (Inches)	Max. Permissible Platform (At Reduced Load Ratings) Optional Extra (Inches)	Maximum Edge Load		Lowered Height (Inches)	Raised Height (Inches)	Approx. Raising Time With Std. Power Unit (Seconds)	Standard Motor (hp)	No. of Hydraulic Rams	Approx. Shipping Wt. With Std. Platform (Pounds)	Model No.
				End	Side							
12" TRAVEL SINGLE	18,000	42 x 60	72 x 96	18,000	18,000	12 1/2	24 1/4	7 sec.	5	2	3,000	12K18
	23,000	42 x 60	72 x 96	23,000	23,000	15 1/2	27 1/4	8 sec.	5	2	3,150	12L23
	27,000	42 x 60	72 x 96	27,000	27,000	18 3/4	30 1/2	9 sec.	5	2	3,300	12M27
	28,000	42 x 60	72 x 96	23,000	23,000	12 5/8	24 3/8	9 sec.	5	3	3,200	12K28
	30,000	42 x 60	72 x 96	30,000	30,000	21 1/2	33 1/4	10 sec.	5	2	3,350	12N30
	34,000	42 x 60	72 x 96	34,000	34,000	24 3/4	36 1/2	11 sec.	5	2	3,350	12V34
	35,000	42 x 60	72 x 96	30,000	27,000	15 5/8	27 3/8	12 sec.	5	3	3,350	12L35
	41,000	42 x 60	72 x 96	30,000	30,000	19	30 3/4	13 sec.	5	3	3,500	12M41
	46,000	42 x 60	72 x 96	30,000	30,000	21 3/4	33 1/2	16 sec.	5	3	3,550	12N46
	52,000	42 x 60	72 x 96	30,000	30,000	25	36 3/4	18 sec.	5	3	3,550	12V52
12" TRAVEL DOUBLE LONG	30,000	42 x 122	60 x 144	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	24 1/4	13 sec.	5	4	5,900	12K30DL
	40,000	42 x 122	60 x 144			15 5/8	27 3/8	15 sec.	5	4	6,200	12L40DL
	45,000	42 x 122	60 x 144			18 7/8	30 5/8	18 sec.	5	4	6,500	12M45DL
	47,000	42 x 122	60 x 144			12 5/8	24 3/8	20 sec.	5	6	6,300	12K47DL
	50,000	42 x 122	60 x 144			21 5/8	33 3/8	20 sec.	5	4	6,600	12N50DL
	55,000	42 x 122	60 x 144			25	36 3/4	22 sec.	5	4	6,600	12V55DL
	60,000	42 x 122	60 x 144			15 3/4	27 1/2	24 sec.	5	6	6,600	12L60DL
	68,000	42 x 122	60 x 144			19	30 3/4	28 sec.	5	6	6,900	12M68DL
	76,000	42 x 122	60 x 144			21 3/4	33 1/2	32 sec.	5	6	7,000	12N76DL
	85,000	42 x 122	60 x 144			25	36 3/4	35 sec.	5	6	7,000	12V85DL
12" TRAVEL DOUBLE WIDE	30,000	84 x 60	96 x 96	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	24 1/4	13 sec.	5	4	5,900	12K30DW
	40,000	84 x 60	96 x 96			15 5/8	27 3/8	15 sec.	5	4	6,200	12L40DW
	45,000	84 x 60	96 x 96			18 7/8	30 5/8	18 sec.	5	4	6,500	12M45DW
	47,000	84 x 60	96 x 96			12 5/8	24 3/8	20 sec.	5	6	6,300	12K47DW
	50,000	84 x 60	96 x 96			21 5/8	33 3/8	20 sec.	5	4	6,600	12N50DW
	55,000	84 x 60	96 x 96			25	36 3/8	22 sec.	5	4	6,600	12V55DW
	60,000	84 x 60	96 x 96			15 3/4	27 1/2	24 sec.	5	6	6,600	12L60DW
	68,000	84 x 60	96 x 96			19	30 3/4	28 sec.	5	6	6,900	12M68DW
	76,000	84 x 60	96 x 96			21 3/4	33 1/2	32 sec.	5	6	7,000	12N76DW
	85,000	84 x 60	96 x 96			25	36 3/4	35 sec.	5	6	7,000	12V85DW

SPECIFICATIONS: 18" to 24" Travel Series

	Lifting Capacity (Pounds)	Base Frame and Std. Min. Platform Size (Inches)	Max. Permissible Platform (At Reduced Load Ratings) Optional Extra (Inches)	Maximum Edge Load		Lowered Height (Inches)	Raised Height (Inches)	Approx. Raising Time With Std. Power Unit	Standard Motor (hp)	No. of Hydraulic Rams	Approx. Shipping Wt. With Std. Platform (Pounds)	Model No.
				End	Side							
18" TRAVEL SINGLE	18,000	42 x 60	72 x 96	18,000	18,000	12 1/2	30 1/4	8 sec.	5	2	3,000	18K18
	22,000	42 x 60	72 x 96	22,000	22,000	15 1/2	33 1/4	13 sec.	5	2	3,150	18L22
	28,000	42 x 60	72 x 96	18,000	18,000	12 5/8	30 3/8	15 sec.	5	3	3,200	18K28
	28,000	42 x 60	72 x 96	28,000	28,000	21 1/2	39 1/4	14 sec.	5	2	3,350	18N28
	31,000	42 x 60	72 x 96	31,000	31,000	24 3/4	42 1/2	15 sec.	5	2	3,350	18V31
	34,000	42 x 60	72 x 96	23,000	25,000	15 5/8	33 3/8	17 sec.	5	3	3,350	18L34
	43,000	42 x 60	72 x 96	30,000	30,000	21 5/8	39 3/8	23 sec.	5	3	3,550	18N43
	47,000	42 x 60	72 x 96	30,000	30,000	25	42 3/4	26 sec.	5	3	3,550	18V47
18" TRAVEL DOUBLE LONG	30,000	42 x 122	60 x 144	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		30 1/4	30 1/4	18 sec.	5	4	5,900	18K30DL
	37,000	42 x 122	60 x 144			33 1/4	33 1/4	21 sec.	5	4	6,200	18L37DL
	47,000	42 x 122	60 x 144			39 3/8	39 3/8	29 sec.	5	4	6,600	18N47DL
	48,000	42 x 122	60 x 144			30 3/8	30 3/8	29 sec.	5	6	6,300	18K48DL
	52,000	42 x 122	60 x 144			42 3/4	42 3/4	32 sec.	5	4	6,600	18V52DL
	55,000	42 x 122	60 x 144			33 3/8	33 3/8	34 sec.	5	6	6,600	18L55DL
	73,000	42 x 122	60 x 144			39 1/2	39 1/2	46 sec.	5	6	7,000	18N73DL
	80,000	42 x 122	60 x 144			42 3/4	42 3/4	51 sec.	5	6	7,000	18V80DL
18" TRAVEL DOUBLE WIDE	30,000	84 x 60	96 x 96	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	30 1/4	18 sec.	5	4	5,900	18K30DW
	37,000	84 x 60	96 x 96			15 1/2	33 1/4	21 sec.	5	4	6,200	18L37DW
	47,000	84 x 60	96 x 96			21 5/8	39 3/8	29 sec.	5	4	6,600	18N47DW
	48,000	84 x 60	96 x 96			12 5/8	30 3/8	29 sec.	5	6	6,300	18K48DW
	52,000	84 x 60	96 x 96			25	42 3/4	32 sec.	5	4	6,600	18V52DW
	55,000	84 x 60	96 x 96			15 5/8	33 3/8	34 sec.	5	6	6,600	18L55DW
	73,000	84 x 60	96 x 96			21 3/4	39 1/2	46 sec.	5	6	7,000	18N73DW
	80,000	84 x 60	96 x 96			25	42 3/4	51 sec.	5	6	7,000	18V80DW
24" TRAVEL SINGLE	18,000	42 x 60	72 x 96	18,000	18,000	12 1/2	36 1/4	12 sec.	5	2	3,000	24K18
	20,000	42 x 60	72 x 96	20,000	20,000	15 1/2	39 1/4	15 sec.	5	2	3,150	24L20
	23,000	42 x 60	72 x 96	23,000	23,000	18 3/4	42 1/2	17 sec.	5	2	3,300	24M23
	27,000	42 x 60	72 x 96	18,000	18,000	12 5/8	36 3/8	18 sec.	5	3	3,200	24K27
	31,000	42 x 60	72 x 96	23,000	23,000	15 5/8	39 3/8	22 sec.	5	3	3,350	24L31
	35,000	42 x 60	72 x 96	27,000	27,000	18 7/8	42 5/8	25 sec.	5	3	3,500	24M35
24" TRAVEL DOUBLE LONG	30,000	42 x 122	60 x 144	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	36 1/4	24 sec.	5	4	5,900#	24K30DL
	34,000	42 x 122	60 x 144			15 1/2	39 1/4	29 sec.	5	4	6,200#	24L34DL
	39,000	42 x 122	60 x 144			18 3/4	42 1/2	34 sec.	5	4	6,500#	24M39DL
	42,000	42 x 122	60 x 144			12 5/8	36 3/8	36 sec.	5	6	6,300#	24K42DL
	53,000	42 x 122	60 x 144			15 5/8	39 3/8	43 sec.	5	6	6,600#	24L53DL
	65,000	42 x 122	60 x 144			18 7/8	42 5/8	50 sec.	5	6	6,900#	24M65DL
24" TRAVEL DOUBLE WIDE	30,000	84 x 60	96 x 96	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	36 1/4	24 sec.	5	4	5,900	24K30DW
	34,000	84 x 60	96 x 96			15 1/2	39 1/4	29 sec.	5	4	6,200	24L34DW
	39,000	84 x 60	96 x 96			18 3/4	42 1/2	34 sec.	5	4	6,500	24M39DW
	46,000	84 x 60	96 x 96			12 5/8	36 3/8	36 sec.	5	6	6,300	24K42DW
	53,000	84 x 60	96 x 96			15 5/8	39 3/8	43 sec.	5	6	6,600	24L53DW
	65,000	84 x 60	96 x 96			18 7/8	42 5/8	50 sec.	5	6	6,900	24M65DW

SPECIFICATIONS: 30" to 36" Travel Series

	Lifting Capacity (Pounds)	Base Frame and Std. Min. Platform Size (Inches)	Max. Permissible Platform (At Reduced Load Ratings) Optional Extra (Inches)	Maximum Edge Load		Lowered Height (Inches)	Raised Height (Inches)	Approx. Raising Time With Std. Power Unit	Standard Motor (hp)	No. of Hydraulic Rams	Approx. Shipping Wt. With Std. Platform (Pounds)	Model No.	
				End	Side								
30" TRAVEL SINGLE	15,000	42 x 60	72 x 96	15,000	15,000	12 1/2	42 1/4	15 sec.	5	2	3,000	30K15	
	18,000	42 x 60	72 x 96	18,000	18,000	15 1/2	45 1/4	18 sec.	5	2	3,150	30L18	
	23,000	42 x 60	72 x 96	18,000	18,000	12 1/2	42 1/4	22 sec.	5	3	3,200	30K23	
	27,000	42 x 60	72 x 96	23,000	23,000	15 1/2	45 1/4	26 sec.	5	3	3,350	30L27	
30" TRAVEL DOUBLE LONG	26,000	42 x 122	60 x 144	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	42 1/4	29 sec.	5	4	5,900	30K26DL	
	30,000	42 x 122	60 x 144			15 1/2	45 1/4	36 sec.	5	4	6,200	30L30DL	
	39,000	42 x 122	60 x 144			12 5/8	42 3/8	43 sec.	5	6	6,300	30K39DL	
	46,000	42 x 122	60 x 144			15 5/8	45 3/8	53 sec.	5	6	6,600	30L46DL	
30" TRAVEL DOUBLE WIDE	26,000	84 x 60	96 x 96			15 5/8	45 3/8	53 sec.	5	6	6,600	30L46DW	
	30,000	84 x 60	96 x 96			42 1/4	29 sec.	5	4	5,900	30K26DW		
	39,000	84 x 60	96 x 96			45 1/4	36 sec.	5	4	6,200	30L30DW		
	46,000	84 x 60	96 x 96			42 3/8	43 sec.	5	6	6,300	30K39DW		
36" TRAVEL SINGLE	12,000	42 x 60	72 x 96		12,000	12,000	12 1/2	48 1/4	18 sec.	5	2	3,000	36K12
	15,000	42 x 84	72 x 120		12,000	12,000	12 1/2	48 1/4	21 sec.	5	2	3,750	36KK15
	21,000	42 x 60	72 x 96		18,000	18,000	12 1/2	48 1/4	27 sec.	5	3	3,200	36K21
	21,000	42 x 84	72 x 120		16,000	16,000	15 1/2	51 1/4	23 sec.	5	2	4,000	36LL21
	24,000	42 x 84	72 x 120	12,000	12,000	12 1/2	48 1/4	32 sec.	5	3	4,050	36KK24	
	26,000	42 x 84	72 x 120	22,000	22,000	18 3/4	54 1/2	26 sec.	5	2	4,150	36MM26	
	28,000	42 x 84	72 x 120	26,000	26,000	21 1/2	47 1/4	28 sec.	5	2	4,250	36NN28	
	31,000	42 x 84	72 x 120	26,000	26,000	24 3/4	60 1/2	31 sec.	5	2	4,250	36VV31	
	32,000	42 x 84	72 x 120	16,000	16,000	15 5/8	51 3/8	37 sec.	5	3	4,300	36LL32	
	40,000	42 x 84	72 x 120	22,000	22,000	18 7/8	54 5/8	41 sec.	5	3	4,450	36MM40	
	45,000	42 x 84	72 x 120	26,000	26,000	21 5/8	57 3/8	43 sec.	5	3	4,550	36NN45	
50,000	42 x 84	72 x 120	26,000	26,000	24 7/8	60 5/8	49 sec.	5	3	4,550	36VV50		
36" TRAVEL DOUBLE LONG	22,000	42 x 122	60 x 144	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	48 1/4	31 sec.	5	4	5,900	36K22DL	
	26,000	42 x 170	60 x 192			12 1/2	48 1/4	40 sec.	5	4	7,400	36KK26DL	
	36,000	42 x 122	60 x 144			12 5/8	48 3/8	53 sec.	5	6	6,300	36K36DL	
	36,000	42 x 170	60 x 192			15 1/2	51 1/4	46 sec.	5	4	7,900	36LL36DL	
	41,000	42 x 170	60 x 192			12 5/8	48 3/8	63 sec.	5	6	8,000	36KK41DL	
	44,000	42 x 170	60 x 192			18 7/8	54 5/8	52 sec.	5	4	8,200	36MM44DL	
	49,000	42 x 170	60 x 192			21 5/8	57 3/8	56 sec.	5	4	8,400	36NN49DL	
	53,000	42 x 170	60 x 192			24 7/8	60 5/8	61 sec.	5	4	8,400	36VV53DL	
	55,000	42 x 170	60 x 192			15 5/8	51 3/8	73 sec.	5	6	8,500	36LL55DL	
	68,000	42 x 170	60 x 192			18 7/8	54 5/8	81 sec.	5	6	8,800	36MM68DL	
	76,000	42 x 170	60 x 192			21 3/4	57 1/2	86 sec.	5	6	9,000	36NN76DL	
	85,000	42 x 170	60 x 192			24 3/4	60 3/4	98 sec.	5	6	9,000	36VV85DL	
36" TRAVEL DOUBLE WIDE	22,000	84 x 60	96 x 96	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	48 1/4	31 sec.	5	4	5,900	36K22DW	
	26,000	84 x 84	96 x 102			12 1/2	48 1/4	40 sec.	5	4	7,400	36KK26DW	
	36,000	84 x 60	96 x 96			12 5/8	48 3/8	53 sec.	5	6	6,300	36K36DW	
	36,000	84 x 84	96 x 120			15 1/2	51 1/4	46 sec.	5	4	7,900	36LL36DW	
	41,000	84 x 84	96 x 120			12 5/8	48 3/8	63 sec.	5	6	8,000	36KK41DW	
	44,000	84 x 84	96 x 120			18 7/8	54 5/8	52 sec.	5	4	8,200	36MM44DW	
	49,000	84 x 84	96 x 120			21 5/8	57 3/8	56 sec.	5	4	8,400	36NN49DW	
	53,000	84 x 84	96 x 120			24 7/8	60 5/8	61 sec.	5	4	8,400	36VV53DW	
	55,000	84 x 84	96 x 120			15 5/8	51 3/8	73 sec.	5	6	8,500	36LL55DW	
	68,000	84 x 84	96 x 120			18 7/8	54 5/8	81 sec.	5	6	8,800	36MM68DW	
	76,000	84 x 84	96 x 120			21 3/4	57 1/2	86 sec.	5	6	9,000	36NN76DW	
	85,000	84 x 84	96 x 120			25	60 3/4	98 sec.	5	6	9,000	36VV85DW	

SPECIFICATIONS: 42" to 48" Travel Series

	Lifting Capacity (Pounds)	Base Frame and Std. Min. Platform Size (Inches)	Max. Permissible Platform (At Reduced Load Ratings) Optional Extra (Inches)	Maximum Edge Load		Lowered Height (Inches)	Raised Height (Inches)	Approx. Raising Time With Std. Power Unit	Standard Motor (hp)	No. of Hydraulic Rams	Approx. Shipping Wt. With Std. Platform (Pounds)	Model No.
				End	Side							
42" TRAVEL SINGLE	10,000	42 x 112	72 x 144	8,000	8,000	12 1/2	54 1/4	21 sec.	5	2	4,600	42010
	14,000	42 x 112	72 x 144	11,000	11,000	15 1/2	57 1/4	23 sec.	5	2	4,900	42P14
	15,000	42 x 84	72 x 120	12,000	12,000	12 1/2	54 1/4	26 sec.	5	2	3,750	42KK15
	17,000	42 x 112	72 x 144	8,000	8,000	12 1/2	54 1/4	31 sec.	5	3	4,900	42017
	18,000	42 x 112	72 x 144	16,000	16,000	18 3/4	60 1/2	26 sec.	5	2	5,150	42R18
	21,000	42 x 84	72 x 120	16,000	16,000	15 1/2	57 1/4	29 sec.	5	2	4,000	42LL21
	21,000	42 x 112	72 x 144	18,000	18,000	21 1/2	63 1/4	27 sec.	5	2	5,200	42T21
	23,000	42 x 112	72 x 144	11,000	11,000	15 1/2	57 1/4	34 sec.	5	3	5,200	42P23
	24,000	42 x 84	72 x 120	12,000	12,000	12 1/2	54 1/4	37 sec.	5	3	4,050	42KK24
	26,000	42 x 84	72 x 120	22,000	22,000	18 3/4	60 1/2	31 sec.	5	2	4,150	42MM26
	28,000	42 x 112	72 x 144	16,000	16,000	18 3/4	60 1/2	38 sec.	5	3	5,450	42R28
	32,000	42 x 84	72 x 120	16,000	16,000	15 5/8	57 3/8	43 sec.	5	3	4,300	42LL32
	33,000	42 x 112	72 x 144	18,000	18,000	21 5/8	63 3/8	40 sec.	5	3	5,500	42T33
	40,000	42 x 84	72 x 120	22,000	22,000	18 7/8	60 5/8	46 sec.	5	3	4,450	42MM40
42" TRAVEL DOUBLE LONG	26,000	42 x 170	60 x 192	CONSULT		12 1/2	54 1/4	51 sec.	5	4	7,500	42KK26DL
	36,000	42 x 170	60 x 192	SALES		15 1/2	57 1/4	57 sec.	5	4	8,000	42LL36DL
	41,000	42 x 170	60 x 192	TO VERIFY		12 5/8	54 3/8	74 sec.	5	6	8,100	42KK41DL
	44,000	42 x 170	60 x 192	APPLIED		18 7/8	60 5/8	61 sec.	5	4	8,300	42MM44DL
	55,000	42 x 170	60 x 192	END AND SIDE		15 5/8	57 3/8	84 sec.	5	6	8,600	42LL55DL
	68,000	42 x 170	60 x 192	LOADS		18 7/8	60 5/8	91 sec.	5	6	8,900	42MM68DL
42" TRAVEL DOUBLE WIDE	26,000	84 x 84	96 x 120	CONSULT		12 1/2	54 1/4	51 sec.	5	4	7,500	42KK26DW
	36,000	84 x 84	96 x 120	SALES		15 1/2	57 1/4	57 sec.	5	4	8,000	42LL36DW
	41,000	84 x 84	96 x 120	TO VERIFY		12 5/8	54 3/8	74 sec.	5	6	8,100	42KK41DW
	44,000	84 x 84	96 x 120	APPLIED		18 7/8	60 5/8	61 sec.	5	4	8,300	42MM44DW
	55,000	84 x 84	96 x 120	END AND SIDE		15 5/8	57 3/8	84 sec.	5	6	8,600	42LL55DW
	68,000	84 x 84	96 x 120	LOADS		18 7/8	60 5/8	91 sec.	5	6	8,900	42MM68DW
48" TRAVEL SINGLE	10,000	42 x 112	72 x 144	8,000	8,000	12 1/2	60 1/4	24 sec.	5	2	4,600	48010
	14,000	42 x 112	72 x 144	11,000	11,000	15 1/2	63 1/4	27 sec.	5	2	4,900	48P14
	15,000	42 x 84	72 x 96	12,000	12,000	12 1/2	60 1/4	29 sec.	5	2	3,750	48KK15
	17,000	42 x 112	72 x 144	8,000	8,000	12 1/2	60 1/4	35 sec.	5	3	4,900	48017
	18,000	42 x 112	72 x 144	16,000	16,000	18 3/4	66 1/2	28 sec.	5	2	5,150	48R18
	21,000	42 x 84	72 x 96	16,000	16,000	15 1/2	63 1/4	33 sec.	5	2	4,000	48LL21
	21,000	42 x 112	72 x 144	18,000	18,000	21 1/2	69 1/4	33 sec.	5	2	5,200	48T21
	23,000	42 x 112	72 x 144	11,000	11,000	15 1/2	63 1/4	40 sec.	5	3	5,200	48P23
	24,000	42 x 84	72 x 96	12,000	12,000	12 1/2	60 1/4	44 sec.	5	3	4,050	48KK24
	25,000	42 x 84	72 x 96	22,000	22,000	18 3/4	66 1/2	29 sec.	5	2	4,150	48MM25
	28,000	42 x 112	72 x 144	16,000	16,000	18 3/4	66 1/2	43 sec.	5	3	5,450	48R28
	32,000	42 x 84	72 x 96	16,000	16,000	15 5/8	63 3/8	49 sec.	5	3	4,300	48LL32
	33,000	42 x 112	72 x 144	18,000	18,000	21 1/2	69 1/4	46 sec.	5	3	5,500	48T33
	40,000	42 x 84	72 x 96	22,000	22,000	18 7/8	66 5/8	44 sec.	5	3	4,450	48MM40
48" TRAVEL DOUBLE LONG	26,000	42 x 170	60 x 192	CONSULT		12 1/2	60 1/4	58 sec.	5	4	7,500	48KK26DL
	36,000	42 x 170	60 x 192	SALES		15 1/2	63 1/4	66 sec.	5	4	8,000	48LL36DL
	41,000	42 x 170	60 x 192	TO VERIFY		12 5/8	60 3/8	87 sec.	5	6	8,100	48KK41DL
	44,000	42 x 170	60 x 192	APPLIED		18 7/8	66 5/8	58 sec.	5	4	8,300	48MM44DL
	55,000	42 x 170	60 x 192	END AND SIDE		15 5/8	63 3/8	99 sec.	5	6	8,600	48LL55DL
	68,000	42 x 170	60 x 192	LOADS		18 7/8	66 5/8	87 sec.	5	6	8,900	48MM68DL

SPECIFICATIONS: 48" to 54" Travel Series

	Lifting Capacity (Pounds)	Base Frame and Std. Min. Platform Size (Inches)	Max. Permissible Platform (At Reduced Load Ratings) Optional Extra (Inches)	Maximum Edge Load		Lowered Height (Inches)	Raised Height (Inches)	Approx. Raising Time With Std. Power Unit	Standard Motor (hp)	No. of Hydraulic Rams	Approx. Shipping Wt. With Std. Platform (Pounds)	Model No.
				End	Side							
48" TRAVEL DOUBLE WIDE	26,000	84 x 84	96 x 120	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		96 x 102	15 1/2	63 1/4	66 sec.	5	4	8,000
	36,000	84 x 84	96 x 120			96 x 102	12 5/8	60 3/8	87 sec.	5	6	8,100
	41,000	84 x 84	96 x 120			96 x 102	18 7/8	66 5/8	58 sec.	5	4	8,300
	44,000	84 x 84	96 x 120			96 x 102	15 5/8	63 3/8	99 sec.	5	6	8,600
	55,000	84 x 84	96 x 120			96 x 102	18 7/8	66 5/8	87 sec.	5	6	8,900
	68,000	84 x 84	96 x 120			12 1/2	60 1/4	58 sec.	5	4	7,500	48KK26DW
54" TRAVEL SINGLE	10,000	42 x 112	72 x 144	8,000	8,000	12 1/2	66 1/4	27 sec.	5	2	4,600	54O10
	14,000	42 x 112	72 x 144	11,000	11,000	15 1/2	69 1/4	31 sec.	5	2	4,900	54P14
	15,000	42 x 84	72 x 96	12,000	12,000	12 1/2	66 1/4	33 sec.	5	2	3,750	54KK15
	16,000	42 x 112	72 x 144	8,000	8,000	12 1/2	66 1/4	42 sec.	5	3	4,900	54O16
	18,000	42 x 112	72 x 144	16,000	16,000	18 3/4	72 1/2	34 sec.	5	2	5,150	54R18
	21,000	42 x 84	72 x 96	16,000	16,000	15 1/2	69 1/4	37 sec.	5	2	4,000	54LL21
	21,000	42 x 112	72 x 144	18,000	18,000	21 1/2	75 1/4	36 sec.	5	2	5,200	54T21
	23,000	42 x 112	72 x 144	11,000	11,000	15 1/2	69 1/4	46 sec.	5	3	5,200	54P23
	24,000	42 x 84	72 x 96	12,000	12,000	12 1/2	66 1/4	45 sec.	5	3	4,050	54KK24
	28,000	42 x 112	72 x 144	16,000	16,000	18 3/4	72 1/2	51 sec.	5	3	5,450	54R28
	32,000	42 x 84	72 x 96	16,000	16,000	15 5/8	69 3/8	46 sec.	5	3	4,300	54LL32
	33,000	42 x 112	72 x 144	18,000	18,000	21 1/2	75 1/4	54 sec.	5	3	5,500	54T33
54" TRAVEL DOUBLE LONG	17,000	42 x 226	72 x 264	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	66 1/4	56 sec.	5	4	9,200	54O17DL
	24,000	42 x 226	72 x 264			15 1/2	69 1/4	61 sec.	5	4	9,800	54P24DL
	26,000	42 x 170	60 x 192			12 1/2	66 1/4	65 sec.	5	4	7,500	54KK26DL
	28,000	42 x 226	72 x 264			12 1/2	66 1/4	83 sec.	5	6	9,800	54O28DL
	31,000	42 x 226	72 x 264			18 3/4	72 1/2	67 sec.	5	4	10,300	54R31DL
	36,000	42 x 170	60 x 192			15 1/2	69 1/4	73 sec.	5	4	8,000	54LL36DL
	36,000	42 x 226	72 x 264			21 1/2	75 1/4	71 sec.	5	4	10,400	54T36DL
	39,000	42 x 226	72 x 264			15 5/8	69 3/8	111 sec.	5	6	10,400	54P39DL
	41,000	42 x 170	60 x 192			12 5/8	66 3/8	89 sec.	5	6	8,100	54KK41DL
	47,000	42 x 226	72 x 264			18 7/8	72 5/8	101 sec.	5	6	10,900	54R47DL
	55,000	42 x 170	60 x 192			15 5/8	69 3/8	111 sec.	5	6	8,600	54LL55DL
	56,000	42 x 226	72 x 264			21 5/8	75 3/8	107 sec.	5	6	11,000	54T56DL
54" TRAVEL DOUBLE WIDE	17,000	84 x 112	96 x 144	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	66 1/4	56 sec.	5	4	9,200	54O17DW
	24,000	84 x 112	96 x 144			15 1/2	69 1/4	61 sec.	5	4	9,800	54P24DW
	26,000	84 x 84	96 x 96			12 1/2	66 1/4	65 sec.	5	4	7,500	54KK26DW
	28,000	84 x 112	96 x 144			12 1/2	66 1/4	83 sec.	5	6	9,800	54O28DW
	31,000	84 x 112	96 x 144			18 3/4	72 1/2	67 sec.	5	4	10,300	54R31DW
	36,000	84 x 84	96 x 96			15 1/2	69 1/4	73 sec.	5	4	8,000	54LL36DW
	36,000	84 x 112	96 x 144			21 1/2	75 1/4	71 sec.	5	4	10,400	54T36DW
	39,000	84 x 112	96 x 144			15 5/8	69 3/8	92 sec.	5	6	10,400	54P39DW
	41,000	84 x 84	96 x 96			12 5/8	66 3/8	89 sec.	5	6	8,100	54KK41DW
	47,000	84 x 112	96 x 144			18 7/8	72 5/8	101 sec.	5	6	10,900	54R47DW
	55,000	84 x 84	96 x 96			15 5/8	69 3/8	111 sec.	5	6	8,600	54LL55DW
	56,000	84 x 112	96 x 144			21 5/8	75 3/8	107 sec.	5	6	11,000	54T56DW

SPECIFICATIONS: 60" to 72" Travel Series

	Lifting Capacity (Pounds)	Base Frame and Std. Min. Platform Size (Inches)	Max. Permissible Platform (At Reduced Load Ratings) Optional Extra (Inches)	Maximum Edge Load		Lowered Height (Inches)	Raised Height (Inches)	Approx. Raising Time With Std. Power Unit	Standard Motor (hp)	No. of Hydraulic Rams	Approx. Shipping Wt. With Std. Platform (Pounds)	Model No.
				End	Side							
60" TRAVEL SINGLE	10,000	42 x 112	72 x 144	8,000	8,000	12 1/2	72 1/4	31 sec.	5	2	4,600	60010
	14,000	42 x 112	72 x 144	11,000	11,000	15 1/2	75 1/4	34 sec.	5	2	4,900	60P14
	15,000	42 x 84	60 x 96	12,000	12,000	12 1/2	72 1/4	36 sec.	5	2	3,750	60KK15
	17,000	42 x 112	72 x 144	8,000	8,000	12 1/2	72 1/4	47 sec.	5	3	4,900	60017
	18,000	42 x 112	72 x 144	16,000	16,000	18 3/4	78 1/2	38 sec.	5	2	5,150	60R18
	23,000	42 x 112	72 x 144	11,000	11,000	15 1/2	75 1/4	51 sec.	5	3	5,200	60P23
	24,000	42 x 84	60 x 96	12,000	12,000	12 1/2	72 1/4	55 sec.	5	3	4,050	60KK24
	28,000	42 x 112	72 x 144	16,000	16,000	18 3/4	78 1/2	57 sec.	5	3	5,450	60R28
60" TRAVEL DOUBLE LONG	18,000	42 x 226	72 x 264	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	72 1/4	62 sec.	5	4	9,200	60018DL
	24,000	42 x 226	72 x 264			15 1/2	75 1/4	68 sec.	5	4	9,800	60P24DL
	26,000	42 x 170	60 x 192			12 1/2	72 1/4	72 sec.	5	4	7,500	60KK26DL
	28,000	42 x 226	72 x 264			12 1/2	72 1/4	93 sec.	5	6	9,800	60028DL
	31,000	42 x 226	72 x 264			18 3/4	78 1/2	75 sec.	5	4	10,300	60R31DL
	39,000	42 x 226	72 x 264			15 5/8	75 3/8	102 sec.	5	6	10,200	60P39DL
	41,000	42 x 170	60 x 192			12 5/8	72 3/8	109 sec.	5	6	8,100	60KK41DL
	47,000	42 x 226	72 x 264			18 7/8	78 5/8	112 sec.	5	6	10,900	60R47DL
60" TRAVEL DOUBLE WIDE	18,000	84 x 112	96 x 144	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	72 1/4	62 sec.	5	4	9,200	60018DW
	24,000	84 x 112	96 x 144			15 1/2	75 1/4	68 sec.	5	4	9,800	60P24DW
	26,000	84 x 84	96 x 96			12 1/2	72 1/4	72 sec.	5	4	7,500	60KK26DW
	28,000	84 x 112	96 x 144			12 1/2	72 1/4	93 sec.	5	6	9,800	60028DW
	31,000	84 x 112	96 x 144			18 3/4	78 1/2	75 sec.	5	4	10,300	60R31DW
	39,000	84 x 112	96 x 144			15 5/8	75 3/8	102 sec.	5	6	10,200	60P39DW
	41,000	84 x 84	96 x 96			12 5/8	72 3/8	109 sec.	5	6	8,100	60KK41DW
	47,000	84 x 112	96 x 144			18 7/8	78 5/8	112 sec.	5	6	10,900	60R47DW
67" TRAVEL SINGLE	10,000	42 x 112	42 x 112	8,000	8,000	12 1/2	79 1/4	35 sec.	5	2	4,600	67010
	14,000	42 x 112	42 x 112	11,000	11,000	15 1/2	82 1/4	39 sec.	5	2	4,900	67P14
	17,000	42 x 112	42 x 112	8,000	8,000	12 1/2	79 1/4	53 sec.	5	3	4,900	67017
	23,000	42 x 112	42 x 112	11,000	11,000	15 1/2	82 1/4	58 sec.	5	3	5,200	67P23
67" TRAVEL DOUBLE LONG	18,000	42 x 226	72 x 226	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	79 1/4	70 sec.	5	4	9,200	67018DI
	24,000	42 x 226	72 x 226			15 1/2	82 1/4	77 sec.	5	4	9,800	67P24DL
	28,000	42 x 226	72 x 226			12 1/2	79 1/4	104 sec.	5	6	9,800	67028DL
	39,000	42 x 226	72 x 226			15 5/8	82 3/8	115 sec.	5	6	10,400	67P39DL
67" TRAVEL DOUBLE WIDE	18,000	84 x 112	84 x 112	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	79 1/4	70 sec.	5	4	9,200	67018DW
	24,000	84 x 112	84 x 112			15 1/2	82 1/4	77 sec.	5	4	9,800	67P24DW
	26,000	84 x 112	84 x 112			12 1/2	79 1/4	104 sec.	5	6	9,800	67028DW
	39,000	84 x 112	84 x 112			15 5/8	82 3/8	115 sec.	5	6	10,400	67P39DW
72" TRAVEL SINGLE	10,000	42 x 112	42 x 112	8,000	8,000	12 1/2	84 1/4	38 sec.	5	2	4,600	72010
	15,000	42 x 112	42 x 112	11,000	11,000	15 1/2	87 1/4	39 sec.	5	2	4,900	72LL15
	17,000	42 x 112	42 x 112	8,000	8,000	12 1/2	84 1/4	57 sec.	5	3	4,900	72017
	24,000	42 x 112	42 x 112	11,000	11,000	15 1/2	87 1/4	56 sec.	5	3	5,200	72LL24
72" TRAVEL DOUBLE LONG	18,000	42 x 226	72 x 264	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	84 1/4	76 sec.	5	4	9,200	72018DL
	25,000	42 x 226	72 x 264			15 1/2	87 1/4	77 sec.	5	4	9,800	72LL25DL
	29,000	42 x 226	72 x 264			12 1/2	84 1/4	114 sec.	5	6	9,800	72029DL
	40,000	42 x 226	72 x 264			15 5/8	87 3/8	112 sec.	5	6	10,400	72LL40DL

SPECIFICATIONS: 72" to 120" Travel Series

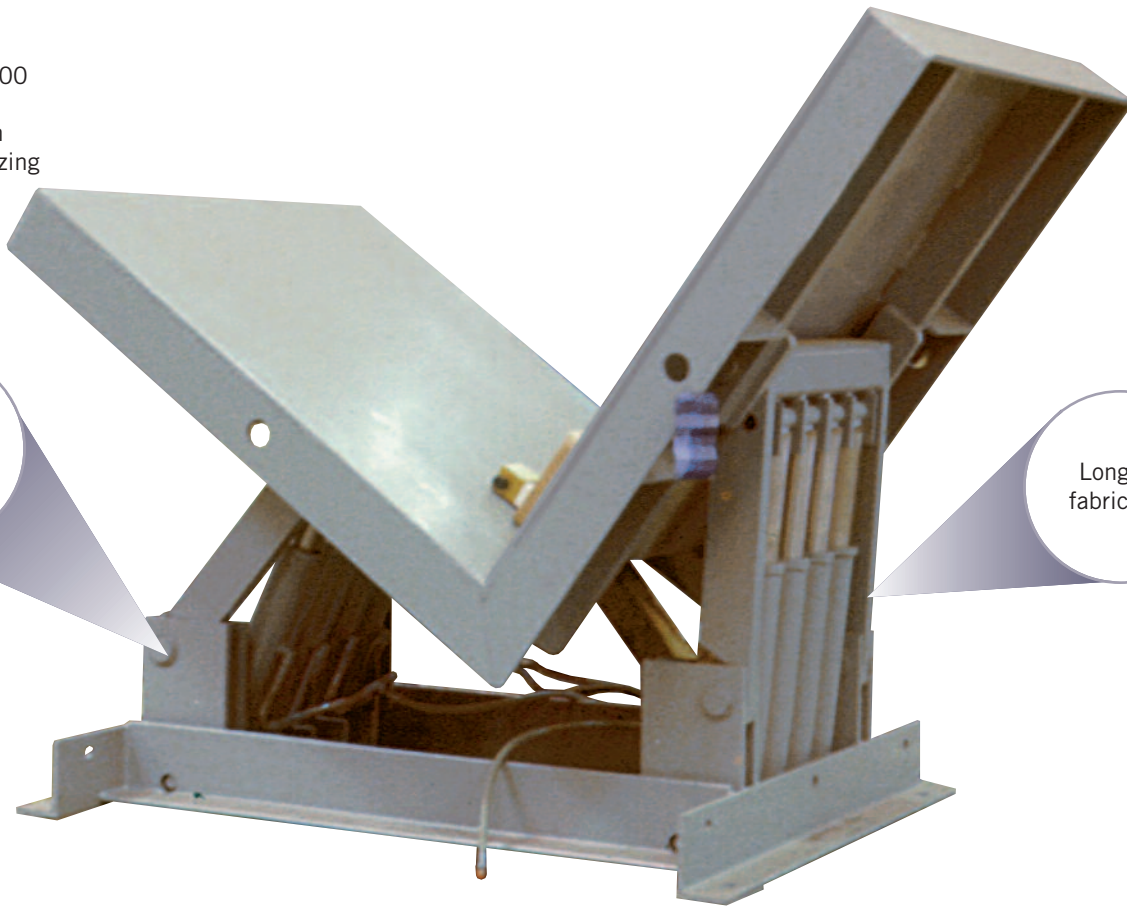
	Lifting Capacity (Pounds)	Base Frame and Std. Min. Platform Size (Inches)	Max. Permissible Platform (At Reduced Load Ratings) Optional Extra (Inches)	Maximum Edge Load		Lowered Height (Inches)	Raised Height (Inches)	Approx. Raising Time With Std. Power Unit	Standard Motor (hp)	No. of Hydraulic Rams	Approx. Shipping Wt. With Std. Platform (Pounds)	Model No.
				End	Side							
72" TRAVEL DOUBLE WIDE	18,000	84 x 112	84 x 112	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	84 1/4	76 sec.	5	4	9,200	72018DW
	25,000	84 x 112	84 x 112			15 1/2	87 1/4	77 sec.	5	4	9,800	72LL25DW
	29,000	84 x 112	84 x 112			12 1/2	84 1/4	114 sec.	5	6	9,800	72029DW
	40,000	84 x 112	84 x 112			15 5/8	87 3/8	112 sec.	5	6	10,400	72LL40DW
84" TRAVEL SINGLE	8,000	42 x 132	72 x 168	6,500	6,500	12 1/2	96 1/4	33 sec.	5	2	5,200	8408
	12,000	42 x 132	72 x 168	9,000	9,000	15 1/2	99 1/4	37 sec.	5	2	5,600	84LL12
	14,000	42 x 132	72 x 168	6,500	6,500	12 1/2	96 1/4	56 sec.	5	3	5,450	84014
	20,000	42 x 132	72 x 168	9,000	9,000	15 1/2	99 1/4	55 sec.	5	3	5,900	84LL20
84" TRAVEL DOUBLE LONG	14,000	42 x 266	72 x 300	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	96 1/4	66 sec.	5	4	10,400	84014DL
	21,000	42 x 266	72 x 300			15 1/2	99 1/4	73 sec.	5	4	11,200	84LL21DL
	23,000	42 x 266	72 x 300			12 1/2	96 1/4	111 sec.	5	6	10,900	84023DL
	34,000	42 x 266	72 x 300			15 1/2	99 1/4	110 sec.	5	6	11,800	84LL34DL
84" TRAVEL DOUBLE WIDE	14,000	84 x 132	96 x 168	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	96 1/4	66 sec.	5	4	10,400	84014DW
	21,000	84 x 132	96 x 168			15 1/2	99 1/4	73 sec.	5	4	11,200	84LL21DW
	23,000	84 x 132	96 x 168			12 1/2	96 1/4	111 sec.	5	6	10,900	84023DW
	34,000	84 x 132	96 x 168			15 1/2	99 1/4	110 sec.	5	6	11,800	84LL34DW
96" TRAVEL SINGLE	7,000	42 x 150	72 x 180	5,500	5,500	12 1/2	108 1/4	37 sec.	5	2	5,800	9607
	11,000	42 x 150	72 x 180	8,000	8,000	15 1/2	111 1/4	42 sec.	5	2	6,200	96LL11
	12,000	42 x 150	72 x 180	5,500	5,500	12 1/2	108 1/4	51 sec.	5	3	6,100	96012
	18,000	42 x 150	72 x 180	8,000	8,000	15 1/2	111 1/4	58 sec.	5	3	6,500	96LL18
96" TRAVEL DOUBLE LONG	12,000	42 x 302	72 x 348	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	108 1/4	74 sec.	5	4	11,600	96013DL
	19,000	42 x 302	72 x 348			15 1/2	111 1/4	84 sec.	5	4	12,400	96LL19DL
	20,000	42 x 302	72 x 348			12 1/2	108 1/4	122 sec.	5	6	12,200	96020DL
	31,000	42 x 302	72 x 348			15 1/2	111 1/4	115 sec.	5	6	13,000	96LL31DL
96" TRAVEL DOUBLE WIDE	12,000	84 x 150	96 x 180	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	108 1/4	74 sec.	5	4	11,600	96013DW
	19,000	84 x 150	96 x 180			15 1/2	111 1/4	84 sec.	5	4	12,400	96LL19DW
	20,000	84 x 150	96 x 180			12 1/2	108 1/4	122 sec.	5	6	12,200	96020DW
	31,000	84 x 150	96 x 180			15 1/2	111 1/4	115 sec.	5	6	13,000	96LL31DW
120" TRAVEL SINGLE	5,000	42 x 186	72 x 222	4,500	4,500	12 1/2	132 1/4	36 sec.	5	2	7,000	12005
	6,000	42 x 186	72 x 222	6,000	6,000	15 1/2	135 1/4	40 sec.	5	2	7,500	120LL6
	10,000	42 x 186	72 x 222	4,500	4,500	12 1/2	132 1/4	55 sec.	5	3	7,300	120010
	11,000	42 x 186	72 x 222	6,500	6,500	15 1/2	135 1/4	45 sec.	5	3	7,800	120LL11
120" TRAVEL DOUBLE LONG	8,000	42 x 374	72 x 420	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	132 1/4	74 sec.	5	4	14,000	12008DL
	10,000	42 x 374	72 x 420			15 1/2	135 1/4	80 sec.	5	4	15,000	120LL10DL
	17,000	42 x 374	72 x 420			12 1/2	132 1/4	110 sec.	5	6	14,600	120017DL
	20,000	42 x 374	72 x 420			15 1/2	135 1/4	90 sec.	5	6	15,600	120LL20DL
120" TRAVEL DOUBLE WIDE	8,000	84 x 186	96 x 222	CONSULT SALES TO VERIFY APPLIED END AND SIDE LOADS		12 1/2	132 1/4	74 sec.	5	4	14,000	12008DW
	10,000	84 x 186	96 x 222			15 1/2	135 1/4	80 sec.	5	4	15,000	120LL10DW
	17,000	84 x 186	96 x 222			12 1/2	132 1/4	110 sec.	5	6	14,600	120017DW
	20,000	84 x 186	96 x 222			15 1/2	135 1/4	90 sec.	5	6	15,600	120LL20DW

TITAN UPENDERS

Autoquip Titan Upenders reposition or turn upright a wide variety of heavy, bulky objects with minimal floor space requirements. They may be used in conjunction with automated (coil car) systems or alone.

18 Models,
Maximum
Capacity 15,000
lbs. Can Be
Specified With
Lifts, Customizing
For Specific
Applications.

Lubricated
for life
composite
bearings



Long life
fabrication

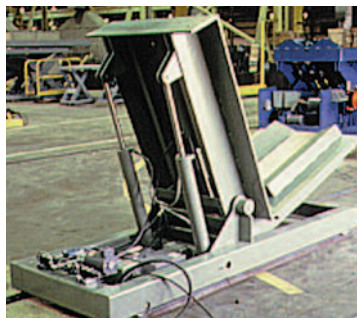
TYPICAL MARKETS

Metal Working
Paper Mills
Foundries
Automotive Plants
Machine Shops

GENERAL APPLICATIONS

Coil Handling/Reorientation
Die Handling
Engine Block Manufacturing/Repair
Coil Palletizing
Roll Handling

90-degree tilters, flip-flop tilters and special high-hinge tilters are also available.



KEY FEATURES

- Lubricated-for-life composite bearings on all pivot points
- Turned, ground, polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Factory tested to 110% of capacity
- Super torque motor

OPTIONS

Can be combined with lift(s) to raise objects to different level.

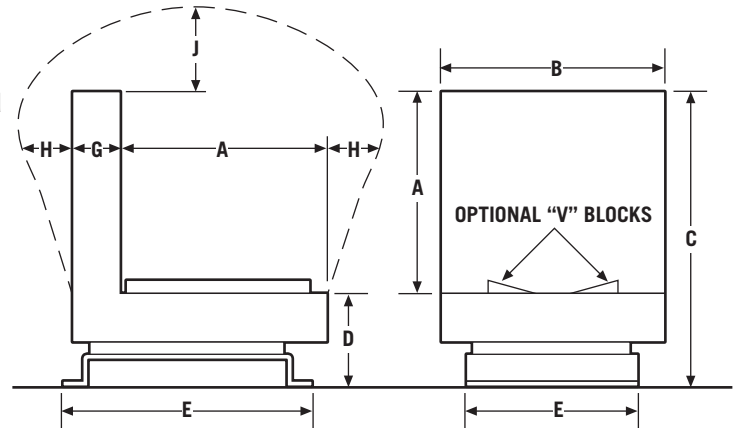
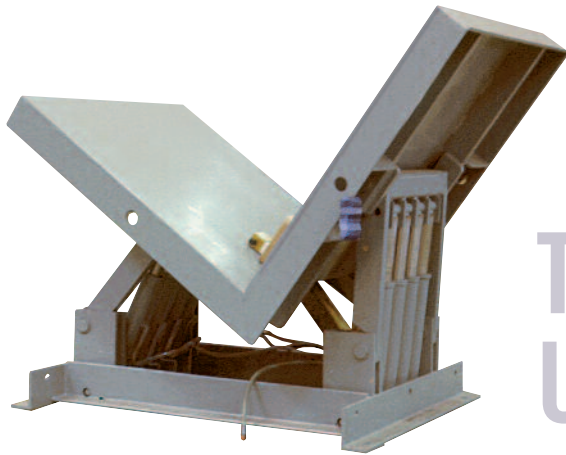
CUSTOM DESIGNS

If less than 90 degrees are required, travel can be blocked to suit. Other capacities and designs available to suit special applications.

BENEFITS

- Extended hose life for added safety
- Maintenance free bearings, no greasing
- Extended bearing life

POWER SUPPLY Standard power supply includes super torque 1 1/2 hp, 3-phase motor, 115v standard control transformer, NEMA-4 hand-held up/down pushbutton station.



TITAN UPENDER

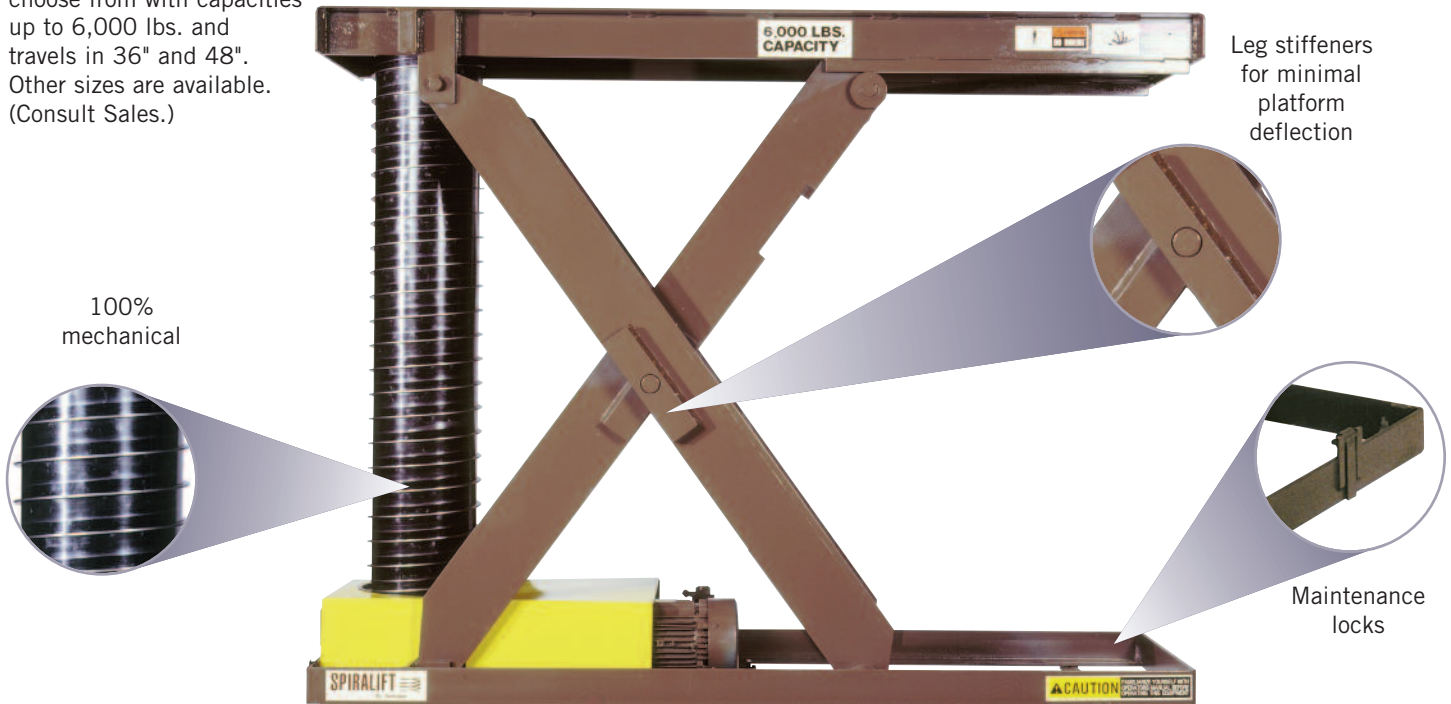
SPECIFICATIONS: Capacities - 2,000 to 15,000 lbs.

Capacities 2,500 to 15,000 lbs.														
Model No.	Max Capacity (pounds)	Std. Motor HP	No. of Rams	Shipping Weight (pounds)	90° Cycle Time (seconds)	D I M E N S I O N S								
						A	B	C	D	E	F	G	H	J
136-30	3,000	1½	1	1,500	29	36	36	48	12	45½	36	4¾	13	21
136-40	4,000	1½	1	1,550	29	36	36	48	12	45½	36	4¾	13	21
136-60	6,000	1½	2	1,650	29	36	36	48	12	45½	36	4¾	13	21
142-25	2,500	1½	1	1,650	29	42	42	54	12	45½	36	4¾	15	25
142-50	5,000	1½	2	1,750	29	42	42	54	12	45½	36	4¾	15	25
148-20	2,000	1½	1	1,700	29	48	48	60	12	45½	36	4¾	17	29
148-40	4,000	1½	2	1,800	29	48	48	60	12	45½	36	4¾	17	29
248-60	6,000	1½	2	2,800	42	48	48	63	12	60	48	5½	17	29
248-80	8,000	1½	2	2,900	42	48	48	63	15	60	48	5½	17	29
248-120	12,000	5	3	3,000	41	48	48	63	15	60	48	5½	17	29
248-150	15,000	5	4	3,200	55	48	48	63	15	60	48	5½	17	29
254-40	4,000	1½	2	3,100	41	54	54	69	15	60	48	5½	19	33
254-50	5,000	1½	2	3,150	41	54	54	69	15	60	48	5½	19	33
254-80	8,000	5	3	3,300	41	54	54	69	15	60	48	5½	19	33
254-120	12,000	5	4	3,500	55	54	54	69	15	60	48	5½	19	33
260-40	4,000	1½	2	3,350	41	60	60	75	15	60	48	5½	21	36
260-60	6,000	5	3	3,500	41	60	60	75	15	60	48	5½	21	36
260-100	10,000	5	4	3,700	55	60	60	75	15	60	48	5½	21	36

SPIRALIFT

The Spiralift is a highly customizable, mechanical lift which is designed for satisfying specialized applications requiring precise travel heights. They offer repeatability in elevation to .06" accuracy.

There are 6 popular sized models in this series to choose from with capacities up to 6,000 lbs. and travels in 36" and 48". Other sizes are available. (Consult Sales.)

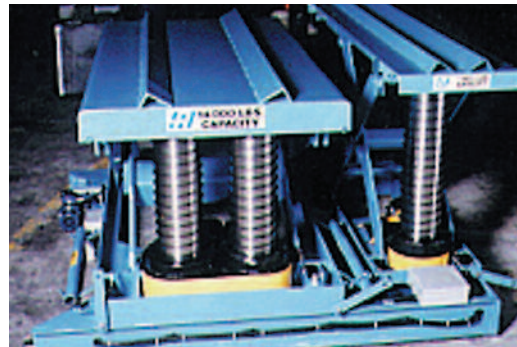


TYPICAL MARKETS

System Integration/OEM
Metalworking
Aerospace
Chemical & Plastics

GENERAL APPLICATIONS

Assembly Table
Clean Room Environment
Conveyor
Explosion Proof



KEY FEATURES

- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs with leg stiffeners
- Turned, ground, polished and hard-chromed axle pins
- Maintenance (safety) locks in base-frame
- Factory tested at 110% of rated capacity
- Designed and built in accordance to ANSI MH29.1
- Mechanically operated
- No hydraulics
- Internally mounted motor and drive mechanism
- Easily adaptable to a PLC

BENEFITS

- Maintenance-free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Can hold loads at any elevation and provide zero drift for unlimited time
- Ideal for raising to precise elevations
- Ideal for clean/sterile rooms and food processing environments

POWER SUPPLY Integral power unit with 2 hp motor with brake. The electric brake motor supplied will operate on any of the following 3-phase voltages: 208, 220, 230, 240, 440, 460, or 480. Specify which voltage will be used.

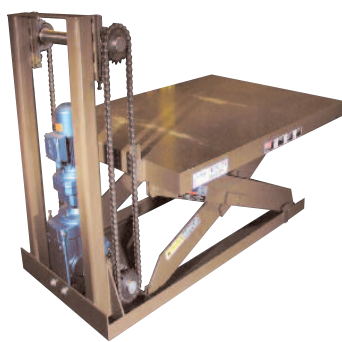
CUSTOM DESIGNS

A number of "customized" engineering plans are already on file for the Spiralift Series. Additionally, Autoquip offers computerized engineering services for development of "one-of-a-kind" Spiralift applications.

SPECIFICATIONS: 36" to 48" Travel; Capacities — 2,500 to 6,000 lbs.

Capacity (lbs.)	Travel (ins.)	Lowered Height (ins.)	Raised Height (ins.)	Max. End Load (lbs.)	Max. Side Load (lbs.)	Standard Platform & Base Frame (in.)	Maximum Allowable Platform Size (in.)	Standard Raising Time (sec.)	Optional Raising Time (sec.)	Std. Horse-power Motor	Shipping Weight (lbs.)	Model No.
2,500	36	9 1/2	45 1/2	2,500	2,500	24 x 56	48 x 80	18	12	2	700	36SL25
4,000	36	9 1/2	45 1/2	3,000	3,000	24 x 56	48 x 80	18	12	2	725	36SL40
6,000	36	9 1/2	45 1/2	3,000	3,000	24 x 56	48 x 80	24	12	2	750	36SL60
2,500	48	10 1/4	58 1/4	2,500	2,500	24 x 72	48 x 104	24	16	2	775	48SL25
4,000	48	10 1/4	58 1/4	2,500	2,500	24 x 72	48 x 104	24	16	2	800	48SL40
6,000	48	10 1/4	58 1/4	2,500	2,500	24 x 72	48 x 104	32	16	2	825	48SL60

Custom Mechanical Scissor table designs which can be designed specifically for your application:



CAROUSEL LIFTS

Increases order picking productivity by positioning the operator to the appropriate height to effectively pick parts and products from horizontal carousel systems. Provides an affordable and effective solution for companies requiring increases in assembly and order processing times.

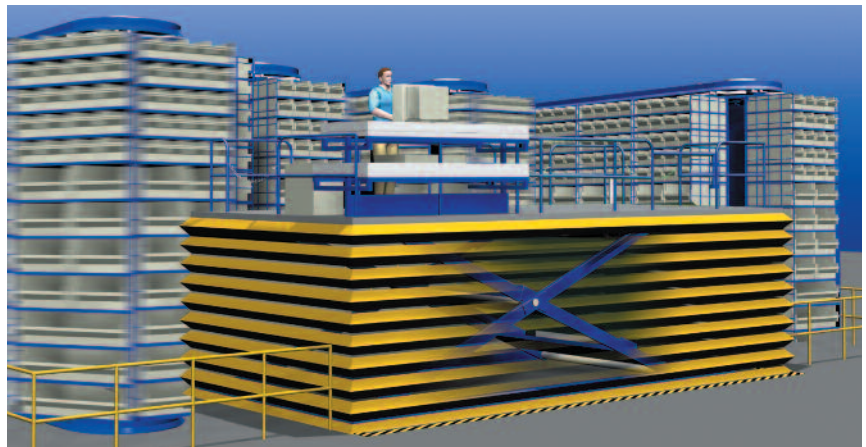


TYPICAL MARKETS

Warehouse Systems
Light Manufacturing
Assembly
Parts Sales

GENERAL APPLICATIONS

Parts Picking
Inventory Management
Carousel System Integration



KEY FEATURES

- Slip-resistant grit surface
- "Tecspak" bumpers for soft landing
- 48" high handrails with snapchains at pick openings
- One 36" gate with mechanical latch
- Painted "iron" blue
- Capillary tubing on breather ports of cylinders to prevent leaking
- One duplex outlet mounted to platform and wired to J-box
- NEMA 12 up/down pushbutton mounted to lift and wired to J-box
- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs
- Turned, ground, polished and hard-chromed axle pins
- Double-wire braided hydraulic hoses
- Velocity fuses on cylinders
- Maintenance leg
- Up limit switch mounted and wired to J-box
- Built and designed in accordance with ANSI MH29.1
- Factory tested to 110% of capacity

BENEFITS

- Maintenance-free bearings, no greasing
- Minimal platform deflection
- Extended bearing life
- Extended hose life for added safety
- High efficiency motor provides faster raising times
- Easy servicing of hydraulic valve components
- Easy access to hydraulic/electrical components for servicing
- Controlled descent in case of severed hose – Safety first!

POWER SUPPLY Remote power unit, 5 hp, high speed, HDPC motor, 11 gallon reservoir.

CUSTOM DESIGNS A number of "customized" engineering plans are already on file for the Carousel Series. Additionally, Autoquip offers computerized engineering services for development of "one-of-a-kind" Carousel applications.

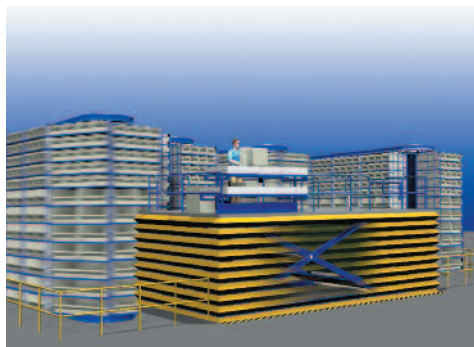
OPTIONS

- Soft start/stop (increase speed to 30 fpm)
- Special wings
- Gate interlocks

SPECIFICATIONS: 72" to 96" Travel; Capacity – 2,000 lbs.

Travel (inches)	Capacity (lbs.)	Base Frame (inches)	Standard Minimum Platform Size (inches)	Standard Maximum Platform Size (inches)	Lowered Height (inches)	Raised Height (inches)	Maximum End Load (lbs.)	Maximum Side Load (lbs.)	Speed (fpm)	Shipping Weight (lbs.)	Model
72	2,000	58 x 96	72 x 102	72 x 168	8	80	1,000	500	20	3600	CAR7220
84	2,000	58 x 111	72 x 120	72 x 180	8	92	1,000	500	20	3900	CAR8420
96	2,000	58 x 140	72 x 146	72 x 228	12	108	1,000	500	20	4200	CAR9620

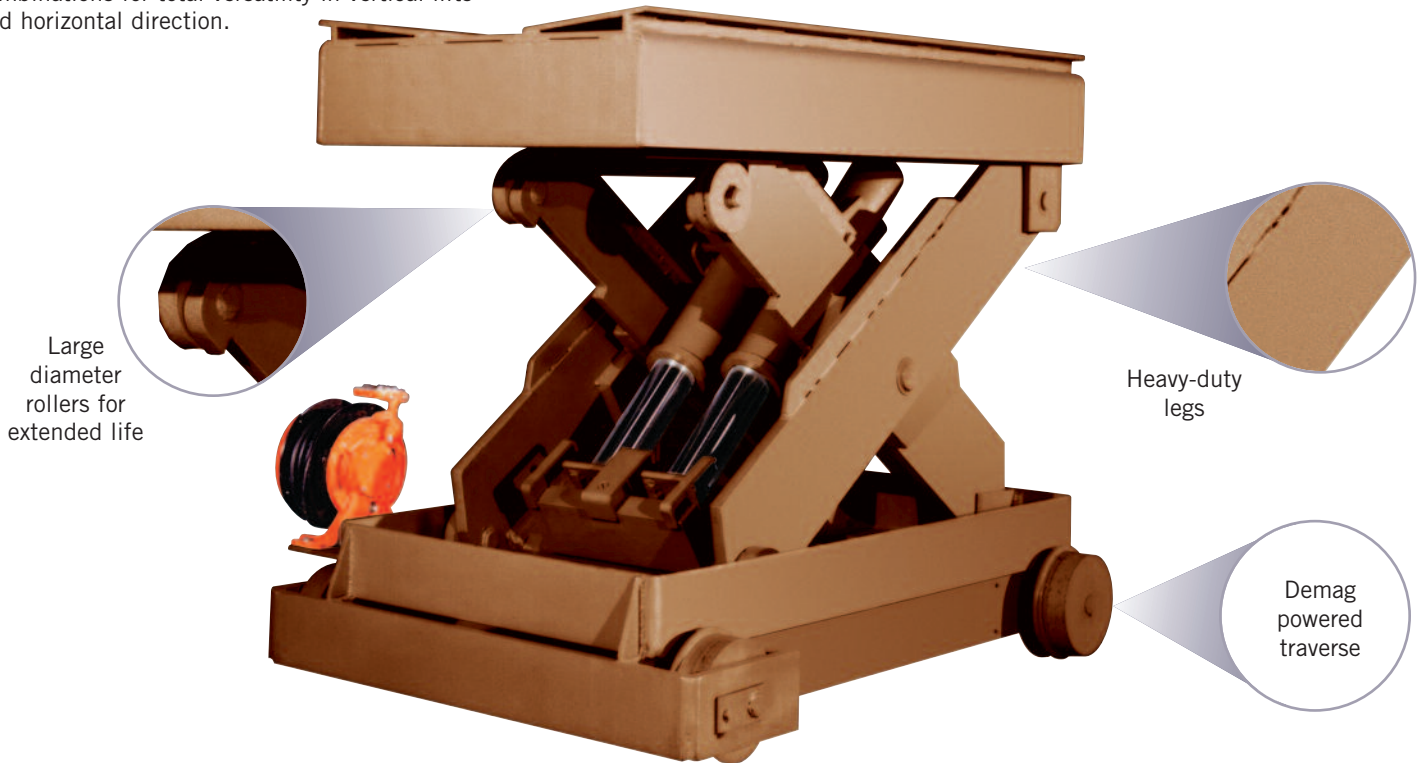
Custom work platform designs to improve worker efficiency:



TROJAN COIL CAR

The Autoquip Coil Car is built to meet industry's most demanding coil handling requirements. With the AQ Coil Car, an overhead crane is not needed to make coil-to-mandrel transfers. Low profile units are available and they permit loading of larger coils at normal mandrel heights.

Available with 2- or 4-wheel drive, "V" deck or flat top. Unlimited choice of pump-motor combinations for total versatility in vertical lifts and horizontal direction.

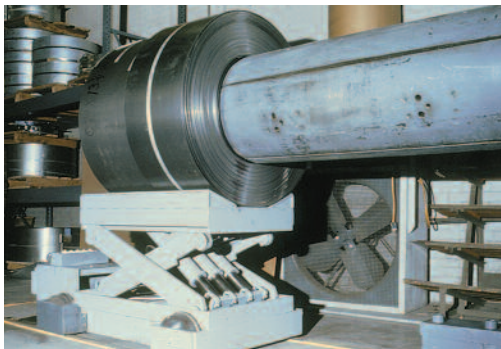


TYPICAL MARKETS

Paper & Printing
Metalworking
Automotive & Transportation
System Integration/OEM

GENERAL APPLICATIONS

Transporting Products
Feeding/Receiving
Coil Transfer
Roll Positioning



KEY FEATURES

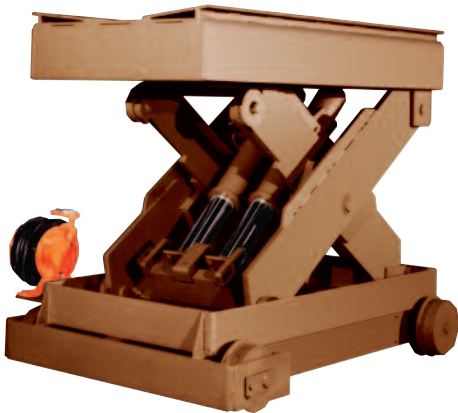
- Lubricated-for-life composite bearings on all pivot points
- Solid steel legs
- Turned, ground, polished and hard-chromed axle pins
- Maintenance (safety) locks in base-frame
- Factory tested at 110% of rated capacity
- Double-wire braided hydraulic hoses
- Velocity fuses on cylinders
- Eases coil to mandrel transfer
- Custom designed and built for the application
- All controls are NEMA-12
- Standard traverse speed of 40fpm
- Designed and built in accordance to ANSI MH29.1

BENEFITS

- Maintenance free bearings, no greasing on pivot points
- Minimal platform deflection
- Extended bearing life
- Controlled descent in case of severed hose — Safety first!
- Custom-built — we make our equipment fit your application
- Various materials can be used on the platform to prevent damage to the coil (Polyurethane, poly-snubber rollers, Marine plywood, etc.)
- Fast traversing speed, less time for employees to be standing around
- Heavy duty — above 8,000 lbs. capacity, 1 1/4" thick steel legs are used
- Modular drive components for simplified maintenance

POWER SUPPLY The super torque 5 hp electric motor will satisfactorily operate on any of the following 3-phase voltages: 208, 220, 230, 240, 440, 460 or 480.

CUSTOM DESIGNS A number of "customized" engineering plans are already on file for the Trojan Series. Additionally, Autoquip offers computerized engineering services for development of "one-of-a-kind" Coil Car applications.



TROJAN COIL CAR

SPECIFICATIONS:

Capacities — 2,000 to 50,000 lbs.

COIL OR ROLL: MAX. ID _____ MAX. OD _____ MAX. LENGTH _____
 MIN. ID _____ MIN. OD _____ MIN. LENGTH _____
 MAX. COIL OR ROLL WT. HANDLED _____

MANDREL: CENTER LINE HT. FROM TOP OF CAR TRACK _____

PLATFORM: STANDARD 'V' (RUNS PARALLEL W/TRACKS) OR IF OTHER PLEASE SPECIFY:

ROLLER PLATFORM _ CROSS CRADLE _ ROLLERS FOR COIL SNUBBING _____

TRAVERSE SPEED: STANDARD (40' PER MIN.) _____

TRACK: TOTAL CAR TRANSPORT DISTANCE _____

CABLE REEL: MOUNTED ON CAR _____ END MOUNT _____ SIDE MOUNT _____ OR SUPPLIED BY OTHERS _____

POWER SUPPLY: 3-PHASE _____ VOLTS

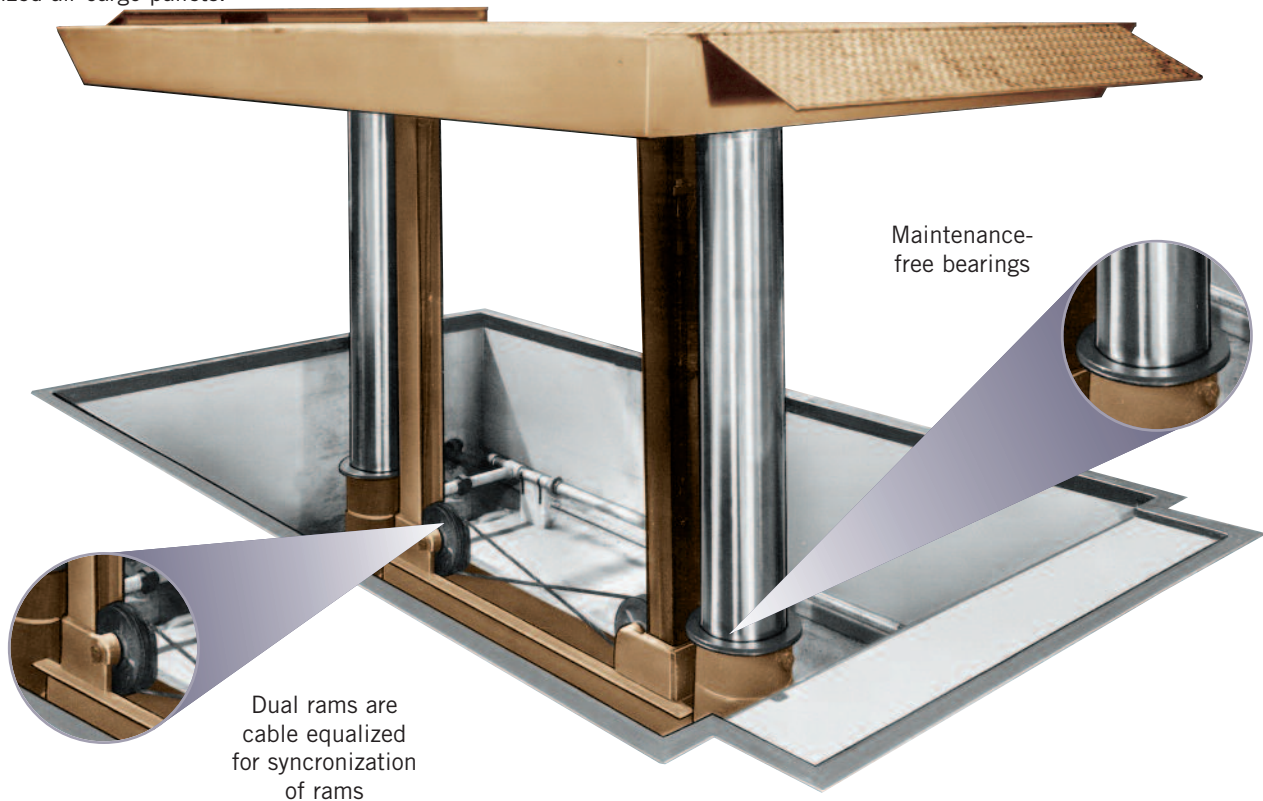
CONTROLS:

ELECTRIC PUSHBUTTONS: PENDANT OR STANCHION MOUNT

PLATFORM RAM LIFT

Autoquip ram lifts are utilized when a scissors lift is not an option. Ram lifts are designed to handle the most awkward and heaviest loads and can reach heights where scissors lifts become unstable. Completely customizable, these lifts have very few moving parts and they offer the greatest flexibility as to platform size, travel and capacity. These lifts require a pit and usually become permanent installations. They are ideal for concentrated, rolling loads of all kinds.

Ram lifts can raise and position heavy loads, lift stage platforms, lift rail cars or airliners for servicing, or lift specialized air cargo pallets.



TYPICAL MARKETS

Aerospace
Automotive & Transportation
Government
System Integrator/OEM

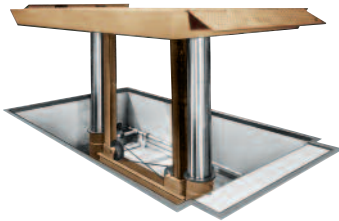
GENERAL APPLICATIONS

Maintenance Table
At the Dock
Conveyers
Feeding/Receiving



KEY FEATURES

- One moving part
- Fluid prison seal on ram
- Bearing length of approximately 24" to 36" or more
- Wear-proof bearing
- Non-rotator
- Low pressure system
- Platform constructed of 4-way tread plate
- Hard-piped hydraulics



PLATFORM RAM LIFT

BENEFITS

- Maintenance-free bearings, no greasing
- Fractional deflection
- Extended bearing life
- Higher travel with less deflection
- Ideal for eccentric loads

POWER SUPPLY The power unit includes a heavy-duty, continuous-duty motor, hydraulic pump, check valve, oil reservoir, lowering valve, and suction strainers. The exact motor supplied will depend on model chosen. However, all are 3-phase and capable of operating on 208, 220, 230, 240, 440, 460 or 480 volts.

CUSTOM DESIGNS A number of "customized" engineering plans are already on file for the Ram Lifts. Additionally, Autoquip offers computerized engineering services for development of "one-of-a-kind" Ram Lift applications.

SPECIFICATIONS: 6,000 to 30,000 lbs. Capacities — Travel to 60"

APE Selection Chart — Single Ram 20,000 LB. ROLLOVER STANDARD

Platform Size (inches)	Lifting Capacity (pounds)	Axle Load Centered Over Ends	Centered Over Sides	Travel (inches)	Ram	Raising Time Std. Motor (fpm)	Motor H.P. Std. Motor (hp)	Shipping Wt. (pounds) Approx. With Skirts	Shipping Wt. (pounds)	Model No.
48 x 48	6,000	3,500	3,500	60	(1) 10Q	7	5	1,540	1,860	APE-0
48 x 72	6,000	3,500	3,500	60	(1) 10Q	7	5	1,700	2,100	APE-1
72 x 72	6,000	3,500	3,500	60	(1) 10Q	7	5	2,000	2,480	APE-2
72 x 96	6,000	3,500	3,500	60	(1) 10Q	7	5	2,300	2,860	APE-3
72 x 120	6,000	3,500	3,500	60	(1) 10Q	7	5	2,540	3,220	APE-4
96 x 96	6,000	3,500	3,500	60	(1) 10Q	7	5	2,620	3,340	APE-5
96 x 120	6,000	3,500	3,500	60	(1) 10Q	7	5	2,940	3,820	APE-6

DRAPE Selection Chart — Double Ram

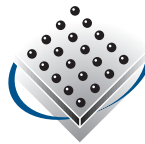
Cable Equalized

Platform Size (inches)	Lifting Capacity (pounds)	Axle Load Centered Over Ends	Centered Over Sides	Travel (inches)	Ram	Raising Time Std. Motor (fpm)	Raising Time Opt. Motor (fpm)	Motor H.P. Std. Motor (hp)	Motor HP Opt. Motor (hp)	Shipping Wt. (pounds) Approx. No Skirts	Shipping Wt. (pounds) Approx. With Skirts	Model No.
72 x 144	15,000	12,000	12,000	60	(2) 10Q	6	12	7 1/2	15	4,700	5,420	DRAPE-1
	20,000	16,000	16,000	60	(2) 12Q	4	8	5	10	5,850	6,570	DRAPE-2
	25,000	20,000	16,000	60	(2) 12QEH	4	8	7 1/2	15	6,750	7,470	DRAPE-3
	30,000	24,000	24,000	60	(2) 12QSD	4	8	10	20	8,150	8,870	DRAPE-4
84 x 144	15,000	12,000	11,000	60	(2) 10Q	6	12	7 1/2	15	5,000	5,760	DRAPE-5
	20,000	16,000	16,000	60	(2) 12Q	4	8	5	10	6,250	7,010	DRAPE-6
	25,000	20,000	14,000	60	(2) 12QEH	4	8	7 1/2	15	7,250	8,010	DRAPE-7
	30,000	24,000	24,000	60	(2) 12QSD	4	8	10	20	8,700	9,460	DRAPE-8
96 x 144	15,000	12,000	10,000	60	(2) 10Q	6	12	7 1/2	15	5,400	6,200	DRAPE-9
	20,000	16,000	15,000	60	(2) 12Q	4	8	5	10	6,650	7,450	DRAPE-10
	25,000	20,000	13,000	60	(2) 12QEH	4	8	7 1/2	15	7,700	8,500	DRAPE-11
	30,000	24,000	24,000	60	(2) 12QSD	4	8	10	20	9,250	10,050	DRAPE-12
72 x 180	15,000	12,000	12,000	60	(2) 10Q	6	12	10	20	5,650	6,480	DRAPE-13
	20,000	16,000	16,000	60	(2) 12Q	4	8	7 1/2	15	6,700	7,530	DRAPE-14
	25,000	20,000	16,000	60	(2) 12QEH	4	8	7 1/2	15	7,650	8,480	DRAPE-15
	30,000	24,000	24,000	60	(2) 12QSD	4	8	10	20	9,150	9,980	DRAPE-16
84 x 180	15,000	12,000	11,000	60	(2) 10Q	6	12	10	20	6,100	6,980	DRAPE-17
	20,000	16,000	16,000	60	(2) 12Q	4	8	7 1/2	15	7,200	8,080	DRAPE-18
	25,000	20,000	14,000	60	(2) 12QEH	4	8	7 1/2	15	8,250	9,130	DRAPE-19
	30,000	24,000	24,000	60	(2) 12QSD	4	8	10	20	9,850	10,730	DRAPE-20
96 x 180	15,000	12,000	10,000	60	(2) 10Q	6	12	10	20	6,550	7,470	DRAPE-21
	20,000	16,000	15,000	60	(2) 12Q	4	8	7 1/2	15	7,750	8,670	DRAPE-22
	25,000	20,000	13,000	60	(2) 12QEH	4	8	7 1/2	15	8,850	9,770	DRAPE-23
	30,000	24,000	24,000	60	(2) 12QSD	4	8	10	20	10,500	11,420	DRAPE-24

GLOSSARY OF OPTIONS & ACCESSORIES



Access Plate - removable or hinged plate in platform surface which allows access to power unit and hydraulics when lift in down position



Ball Transfer Surface - ball type conveyors built into platform, either fixed or retractable



Accordion Skirting - covers scissors mechanism between platform and base. Stitched vinyl coated polyester with alternating black and yellow folds. Requires oversize platform for mounting, must specify either standard, perimeter inboard or outboard design. Does not provide toe protection



Base Frame, Narrow - Special applications only



Added Rollover Capacity - lift structure is "beefed up" for use in pit mounted installations where truck traffic or load transfer is experienced in the lowered position



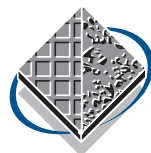
Base Frame, Wide - extra stability for wider than normal loads with higher edge load capacity requirements



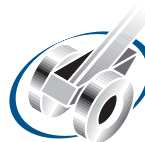
Air Bag Actuation - inflatable air bag provides travel. Use when electrical power is not available and/or desirable. Clean room or explosion proof



Base Unit, Added Build-Up - increases lowered height and provides under-clearance



Anti-skid Surface - diamond tread or abrasive material applied to lift platform



Casters - Fixed or swivel, can be positioned in a variety of configurations for portability and transportability. (See drawings under heading GENERAL INFORMATION)



Approach Ramp - hinged or fixed plate with structural support from the floor level to the top of lift platform



Coatings, Colors and Epoxy - customer can select colors and formulations of paint



Automatic Indexing - optical or mechanical sensing to position platform at preset height



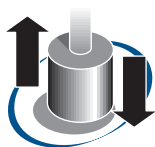
Controls, Press and Release - push button control of up down plus an emergency stop button. Travel ceases automatically at preset level



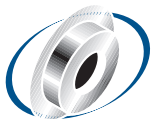
Controls, Constant Pressure (Dead Man's) - Push button control of travel which when finger is removed from the button, travel stops



Controls, Quick Disconnect - for use with portable or frequently relocated lifts. (Not available for power supply)



Double Acting Cylinders - where special applications require control of both up and down action



Flanged Wheels - for use with flat or rail-type track to provide fixed path lateral movement



Fork Pockets - allow unit to be readily moved by fork truck



Handrails and Snap Chain - for use when personnel must be raised or lowered. Removable rails allow access from all sides when lift not in use. Rails are 48" high. May require oversize platform: 4" per rail for removable handrails. (Handrail may be bolted to a mounting plate on top of the lift platform.)



Lag-down provision - for use when a unit needs to be permanently attached to the floor



Lifting Eye Bolts - steel eyebolts are provided so lift can be lifted and/or moved with a hoist. Included with all bevel toe guard platforms



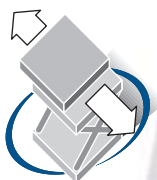
Limit switch - stops travel and prevents over travel. Provides height positioning and can activate associated equipment



NEMA Rated - packages comply with NEMA standards for outdoor, explosion-proof, and other installations (NEMA 1,2,4,12,7,9)



Operational signals - visual or audible alarms warn personnel when lift in use



Platform, Lateral Shifting - manual or powered, for use on lifts which are used as a part of a system



Platform, Stainless Steel - corrosion and damage resistant platform for use with corrosive materials or in areas requiring frequent wash down



Portability Set - includes wheeled jack handle for moving lift from one area to another. Wheels at one end. (See GENERAL INFORMATION)



Power Units, Air - for uses where electrical is unavailable or undesirable and shop air is available. Explosion proof



Powered Drive - motor and gear box drives at least two wheels



Power Units, Continuous Duty - power units equipped with motors capable of a high number of motor starts per hour



Push Bar - for use with wheel or caster equipped, portable units



Power Units, Continuous Running - heavy duty with special cooling features. Power runs continuously. Valves are actuated to activate lift. For extremely high numbers of jogs or cycling



Roller Conveyor Platform - gravity or powered for integration with other handling equipment. Usually treat as a "rolling load" and derate edge loads similarly.



Power Units, DC, JIC Style (Continuous Running)-Built to JIC specifications



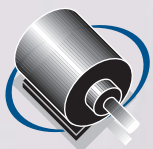
Screw Jack Actuation - gear motor worm or ball screw. Precise, repetitive positioning



Power Units, DC - for use with battery power



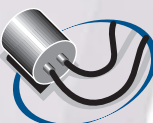
Special Coatings - coatings such as spray metalizing and steel coat are available and must be specified by the customer



Power Units, Oversize - Higher horsepower motors and larger pumps and components for increasing travel and speed



Temperature Extremes - special sealing and hydraulic fluids for use in abnormally hot or cold environments



Power Units, Remote - Remote motor. Power connection via hydraulic hoses



Throw-over Bridge - hinged plate used to bridge gap between platform surface and adjacent fixed height surface



Tilter - positions work at 30, 45, or 90 degrees



V-deck Platform - for centering of cylindrical loads (rolls)



Toe Guard, Beveled - beveled edge on platform serves as toe protection for worker



"Vee" Wheels - for use with inverted angle or vee track to provide fixed path lateral movement



Toe Guard, Electric - electrical contact stops down movement when obstacle is encountered



Velocity Fuse(s) - prevent(s) free fall in the event of hydraulic failure



Turntable - manual or powered. Rotates and positions a load ergonomically.



Wall Mounted Push Button - provides fixed operating station



Valve(s), No Coast - where precise positioning is desired. Hydraulic dump valves decrease upward coast



Wheel Chock - automatically engages as lift raises, preventing wheeled vehicle from rolling off platform



Valve(s), Minimum Down Drift - provides for positive shutoff. For use where platform must maintain position for extended periods



Valve, Upstop - Hydraulic component used primarily to physically limit the travel of scissors lifts which have RAM type cylinders by depressing a plunger which diverts hydraulic flow from the cylinder to the oil reservoir

AVAILABLE OPTIONS & ACCESSORIES

[illegible]

"The MISSION of AUTOQUIP CORPORATION

TO BE A RECOGNIZED LEADER IN THE MATERIAL HANDLING INDUSTRY THROUGH OUR COMMITMENT TO:



- **Safe, innovative and timely solutions that MEET OR EXCEED CUSTOMER EXPECTATIONS.**
- **WORLD CLASS PERFORMANCE** in all areas of our business.
- **An EMPLOYEE PARTNERSHIP** that values creativity, participation and growth. "

It is generally recognized that Autoquip's growth and steady development toward its present broad product line is a direct result of suggestions it has received from its field sales personnel and its customers. Autoquip listens. Autoquip responds. The company has many years of experience designing and manufacturing lifting devices... the company also has a long list of satisfied customers! Among these Autoquip product users are America's leading companies. Autoquip today is truly the leader when it comes to providing "Lifting Solutions" for the world of industry today!

Warranty:

One Year - Parts and Labor

Autoquip warrants its scissor lifts to be free from substandard workmanship and material for a period of one year. This warranty includes all components of the lift, including all electrical and hydraulic components, parts or devices. Autoquip will provide direct or through its authorized agent the necessary skilled labor to facilitate such repairs or replacements in a timely manner to minimize inconvenience to the end user.

One Year - Electrical and Hydraulic Components

Under normal operating conditions, should substandard workmanship or material in the electrical or hydraulic components cause failure, rendering them unfit for further service, Autoquip will furnish, free of charge, replacement components for one year.

Lifetime - Hydraulic Cylinder Seals on Series 35

One Year - Hydraulic Cylinder Seals on All Other Equipment

Under normal operating conditions, should substandard workmanship or material in the hydraulic cylinder seals cause failure, rendering them unfit for further service, Autoquip will furnish, free of charge, replacement seal kit for the life of the equipment.

Five Years - Mechanical on Series 35

One Year - Mechanical on All Other Machines

For a period of five years from date of installation, Autoquip will warrant the structure of the lift against breakage or failure of all mechanical components due to substandard design, workmanship, or material. Our obligation under this warranty is limited to repair or replacement at our option, of any part or material which proves to be substandard. Evidence of physical abuse or capacity overload shall void this mechanical warranty.

All warranties apply only to the original installation and commence from date of installation provided the lift is put into service not later than (6) months after original shipment from Autoquip. This warranty is valid only if the lift is maintained and operated as required by the Owner's Manual. Improprieties including, but not limited to, overloading, abuse, negligence, or failure to maintain or adjust the equipment properly, will void the equipment warranty. The warranty is also voided if unauthorized parts or equipment are installed, or modifications are made.

FAST DELIVERY **BEST WARRANTY**
BEST PRICE