

## Double Pantograph High Travel Scissor Lift for Unbeatable Productivity

Two sets of vertically stacked scissors are pinned directly together, stabilized, and raised simultaneously by common hydraulic cylinders. This Double Pantograph scissors lift design creates a stable structure that consumes less floor space and improves worker productivity and increases factory throughput. Common applications include parts assembly and disassembly, personnel work platforms, mezzanine and multiple landing access.

The Double Pantograph heavy duty lift tables offer travel ranges from 48 to 240 inches and a standard capacity from 3,000 to 12,000 pounds. Specially designed capacities of 20,000 pounds or more are also possible.

Double Pantograph heavy duty scissors lifts are designed and manufactured to the highest standards of safety and reliability. Our standard DP is equipped with all of the standard features you need, or your choice of numerous options, for a wide range of functional tasks.



## Features and Benefits

- Joints, the most critical wear points in the lift, feature chrome-plated, 100,000 psi, ultimate-strength pins for premium load strength and long life.
- Minimum 1/4-inch-thick steel-reinforced platform minimizes deck deflection, maximizes load stability, and greatly extends the life of the platform deck.
- Solid steel legs and added stiffeners provide overall stability and straight, repeatable roller tracking as the lift raises and lowers.
- Autoquip offers an industry-best 2 year warranty on all parts as a promise that you've purchased the industry's most reliable scissor lift.
- On-board maintenance devices enable maintenance crews to safely and effectively block open the scissors during inspection and routine maintenance.
- Sturdy, semi-transparent polyurethane oil reservoir provides an easily visible method of checking fluid levels and eliminates oil contamination due to rust.
- Maintenance-free bearings at pivot points require no lubrication
- Double wire braided Parker hydraulic hoses resist wear, abrasion, and leaks.
- High-strength steel rollers are easily replaced, minimizing downtime.
- Extremely small footprint allows workers to stand closer to the product and minimizes the amount of required floor space.
- Standard controls are prewired and internal power unit is onboard. Installation requires only that the lift be lagged to the floor and connected to electricity.
- Hydraulic velocity fuses completely stop lifts in the unlikely event of uncontrolled descent due to sudden hose rupture.
- Minimum 3:1 structural factor of safety makes these lifts the most structurally sound lift in the industry.
- Compliance with recognized standards:
  - ANSI MH29.1 - Safety Requirements for Industrial Scissors Lifts
  - NFPA 70 - National Electric Code
  - ASTM - A36 - Structural Steel Standard
  - ANSI Z535 - Safety Labeling Requirements
  - AWS D.1 - Welding Standards
  - Applicable portions of OSHA 29CFR1910 - General workplace safety

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Models	Travel (inches)	Capacity (lbs#)	Lowered Height (inches)	Raised Height (inches)	Max# End Load @ Std# Platform (lbs#)	Max# Side Load @ Std# Platform (lbs#)	Base Frame Width (inches)	Base Frame Length (inches)	Minimum Platform Width (inches)	Minimum Platform Length (inches)	Maximum Platform Width (inches)	Maximum Platform Length (inches)	Raising or Lowering Time Loaded (seconds)	Motor Size (hp)	Number of Cylinders	Shipping Weight Approx# (lbs#)	Standard Hydraulic Power Unit	Raising and Lowering Speed Loaded (fpm)
36DP05	36	500	8.5	44.5	500	200	24	32	24	32	36	48	7	0.75	1	350	REMOTE	27
36DP15	36	1500	9.25	45.25	1000	500	24	32	24	32	36	48	8	1.5	2	400	REMOTE	25
36DP30	36	3000	10.75	46.75	1500	1000	24	32	24	32	36	48	16	1.5	2	500	REMOTE	12
48DP30	48	3000	11.25	59.25	2000	1000	30	43	30	43	42	72	33	1.5	1	800	REMOTE	7
48DP60	48	6000	12.75	60.75	2500	1200	30	43	30	43	42	72	22	5	2	850	REMOTE	11.5
48DP90	48	9000	15	63	3000	1500	30	43	30	43	42	72	38	5	2	1200	REMOTE	9
48DP120	48	12000	16.5	64.5	4000	1500	30	43	30	43	42	72	44	5	2	1450	REMOTE	5.5
60DP30	60	3000	14.75	74.75	3000	2000	36	60	36	60	48	84	25	5	2	1500	INTERNAL	12
60DP60	60	6000	14.75	74.75	4500	2000	36	60	36	60	48	84	25	5	2	1500	INTERNAL	12
60DP90	60	9000	16.5	76.5	3000	1500	36	54	36	54	48	84	37	5	2	1600	INTERNAL	8
60DP120	60	12000	18	78	4000	1500	36	54	36	54	48	84	36	5	2	1700	REMOTE	8.5
72DP30	72	3000	14.75	86.75	3000	2000	36	60	36	60	48	84	30	5	2	1500	INTERNAL	12
72DP60	72	6000	14.75	86.75	4500	2000	36	60	36	60	48	84	30	5	2	1500	INTERNAL	12
72DP90	72	9000	17	89	3000	1500	36	62	36	62	48	84	47	5	2	1800	INTERNAL	8
72DP120	72	12000	18.5	90.5	4000	1500	36	62	36	62	48	84	46	5	2	2300	REMOTE	8
84DP30	84	3000	15.75	99.75	3000	2000	48	72	48	72	60	96	42	5	2	2000	INTERNAL	10
84DP60	84	6000	15.75	99.75	4500	2000	48	72	48	72	60	96	42	5	2	2000	INTERNAL	10
84DP90	84	9000	18	102	3000	1500	48	70	48	70	60	96	56	5	2	2400	INTERNAL	7.5
84DP120	84	12000	19.5	103.5	4000	1500	48	70	48	70	60	96	55	5	2	3000	REMOTE	8
96DP30	96	3000	15.75	111.75	3000	2000	48	72	48	72	60	96	48	5	2	2000	INTERNAL	10
96DP60	96	6000	15.75	111.75	4500	2000	48	72	48	72	60	96	48	5	2	2000	INTERNAL	10
96DP90	96	9000	19.5	115.5	3000	1500	48	80	48	80	60	104	70	5	2	2950	INTERNAL	7
96DP120	96	12000	20.5	116.5	4000	1500	48	80	48	80	60	104	68	5	2	3500	REMOTE	7
108DP30	108	3000	17.25	125.25	2000	1000	54	82	54	82	78	106	67	5	2	2650	INTERNAL	8
108DP60	108	6000	17.25	125.25	2500	1200	54	82	54	82	78	106	67	5	2	2650	INTERNAL	8
108DP90	108	9000	20.5	128.5	3000	1500	54	88	54	88	78	112	46	5	2	3300	REMOTE	11.75
108DP120	108	12000	22	130	4000	1500	54	88	54	88	78	112	72	5	2	3900	REMOTE	7.5
120DP30	120	3000	18.75	138.75	2000	1000	60	92	60	92	84	116	88	5	2	3400	INTERNAL	6.8
120DP60	120	6000	18.75	138.75	2500	1200	60	92	60	92	84	116	88	5	2	3400	INTERNAL	6.8

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120DP90	120	9000	21	141	3000	1500	60	96	60	96	84	120	73	5	2	4400	REMOTE	8
120DP120	120	12000	23	143	4000	1500	60	96	60	96	84	120	73	5	2	5000	REMOTE	8
144DP30	144	3000	19.75	163.75	2000	1000	72	108	72	108	96	132	58	5	2	4000	REMOTE	12.5
144DP60	144	6000	19.75	163.75	2500	1200	72	108	72	108	96	132	58	5	2	4000	REMOTE	12.5
144DP90	144	9000	23	167	3000	1500	72	113	72	113	96	136	91	5	2	5950	REMOTE	8
144DP120	144	12000	25	169	4000	1500	72	113	72	113	96	136	91	5	2	6700	REMOTE	8



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## Options

### **Platform**

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

Throw Over Bridge and Approach Ramps

Shuttle Decks

"V" Deck

Conveyor -- gravity or powered, supplied and mounted

Special Platform Configurations & Shapes

Handrails -- removable & permanent

Accordion Skirts -- standard & special configurations

Four-way Non Skid Tread Plate

Bevel Toe Guard

Electric Toe Guards or Photoeye Toe Indicator

Stainless Steel Platform -- in lieu of carbon steel

Stainless Steel Skin -- bolted to platform

Lifting Eyes -- eye bolts not included

### **Power Unit Options**

Connection Hose

Remote Power Units

Wall Mounting Brackets

Cover for Remote Power Unit

Internal 5HP Super Torque Intermittent Duty Motor (230/460V/3PH-60CY,TENV)

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

Hydraulic Hose Quick Disconnect

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

Air Operated Power Unit -- includes hand valve and lubricator (internally mounted)

Hand Operated Up/Down Control

Foot Operated Up/Down Air Valve

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

Food Grade Oil

Biodegradable Oil

Dipstick

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

Oil Immersion Heater (remote steel tank power units)

Sight Gauge (remote steel tank power units)

No Power Unit & No Controls

### **Electrical Options**

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

Upper/Lower Travel Limit Switch -- shipped loose

Upper/Lower Travel Limit Switch -- mounted and wired

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

115 Volt Controls

N-12 Enclosure -- mounted and prewired to power unit (110V & 24V control)

Key Operated Up/Down Switch (NEMA-12)  
Upper/Lower Travel Limit Switch -- mounted not wired  
115 Volt AC Down Solenoid Coil -- mounted only (controls not supplied)  
24 Volt DC Down Solenoid Coil -- mounted only (controls not supplied)  
Magnetic Push Button Station  
Up/Down Push Button Station -- wall mounted (NEMA 4)  
Up/Down Push Button Station -- pedestal mounted (NEMA 4)  
Hook for Pushbutton  
Weatherproof Push Button -- 20' coil cord  
Audible Signal -- shipped loose  
Audible Signal with Volume Adjust -- shipped loose  
Prewired Audible Signal -- standard or adjustable (mounted in main control enclosure)  
Flashing Red Light -- shipped loose  
115 Volt Controls -- mounted & prewired (in lieu of standard 24 VAC)  
No Controls

## **Baseframe**

Portability Set -- includes (2) wheels (end or side mounted), lifting tongue & dolly handle  
Fixed Wheel Transport Base -- available for track mounted lift with pocket mounted "V" or flanged 5" steel wheels  
Caster Type Transport Base -- moves a loaded lift with maximum capacity 6,000 lbs  
Floor Lock -- foot activated (mounted to baseframe)  
Locking Swivel Casters -- must have caster transport option  
Casters with Brake -- set of two, must have transport option  
Steel Wheels -- 2 fixed/2 swivel, dolly handle, clevis and pin  
Phenolic Surface Wheels  
Anchor Clips  
Built Up Baseframe -- to achieve specified lowered height up to 24" in addition to full standard travel  
Fork Truck Pockets -- two sides of base frame  
Fork Truck Pockets - all sides of base frame

## **Gates & Enclosures**

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

## **Paint**

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

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Primer Only

Tile Clad Epoxy -- sand blasting of unit required

## ***High Cycle Package***

High Cycle Packages include: cam followers with sealed tapered roller bearings, replaceable hardened runner strips, special 'PTFE' filament wound bearings in all pivot points (recommended for applications exceeding 100,000 cycles per year)



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