

ROTARY LIFT

The World's Most Trusted Lift



A DOVER COMPANY

Pit Lifts

Commercial Truck and Transit



Floor Running Pit Lift

The Choice is Yours

Rotary® Floor-running pit lifts are offered in two types, a free floor-running model with caster wheels or mounted to a rail system for cracked or uneven pit floors. Floor-running pit lifts provide extra flexibility, and rail-mounted lifts offer maximum freedom of movement inside the pit.

Our free moving lifts are great for applications where there are several interconnected pits – usually by a tunnel. When not in use, these models can be moved out of the way into a storage area.

The floor-running pit lift can also be mounted on rails for increased pit functionality. The standard needle roller bearings on the carriage permit effortless sliding in the pit.



Shown: GSB
support bridge



Shown: GHUSFFT14
floor-running pit lift
ATS - cross beam



Shown: GHUSFFT14
floor-running pit lift
GSB - support bridge

Advantages

Rotary pit lifts increase your pits functionality and enhanced productivity will increase revenue. Vehicles can be raised for wheel and hub service, and pit lifts can be used as a service or removal tool for transmissions and undercarriages.

Turn your Pit into a Full Service Bay

- Stop moving from bay to bay to do open service work, perform multiple services in one bay
- A fully functional service bay with little investment
- Do lube and tire work in the same place as well as drop engines, transmissions and drive shafts all in one bay
- Increase your return on investment with your existing pit
- All types of services can be performed in a pit such as removing or replacing tires, greasing suspensions, changing oil and servicing brakes and drive trains. All without the use of a dolly or jack stands

For more information about Rotary® products, visit www.rotarylif.com or call 800.640.5438

Benefits

Chrome Plated Pistons

Both the piston rod and the pump piston are hard-chrome plated, for protection against corrosion and wear.

Forced Return

The hydro-pneumatic forced return rapidly retracts the piston even when the lift is not loaded and quickly moves the piston rod to the lifting point.

Foot Pedal Controls

Floor-running pit lifts are operated by foot pedals, requiring minimum effort to raise and lower the vehicle.

Foot Pump

The single action foot pump allows fine adjustments when raising.

Productive Design

The design permits maximum freedom of movement. Technicians will have room to move about freely in the pit.

Telescoping Cycle

This pit lift has a two-stage telescoping cylinder. The first and second stages have a maximum capacity of 30,000 lbs.

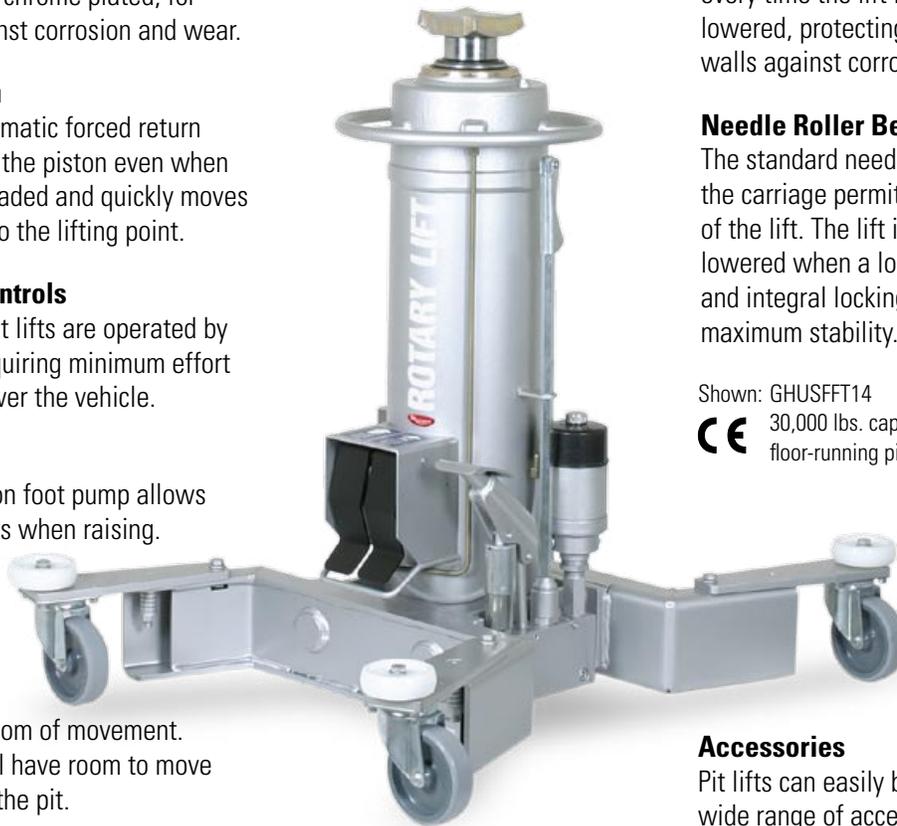
Corrosion Prevention System

The corrosion prevention system submerges the cylinder in oil every time the lift is raised or lowered, protecting the cylinder walls against corrosion.

Needle Roller Bearings

The standard needle roller bearings on the carriage permit effortless rolling of the lift. The lift is automatically lowered when a load is applied and integral locking brakes provide maximum stability.

Shown: GHUSFFT14
CE 30,000 lbs. capacity floor-running pit lift



Accessories

Pit lifts can easily be fitted with a wide range of accessories for almost any need.

Shown: GHUSFT14
CE 30,000 lbs. capacity floor-running pit lift mounted on rails

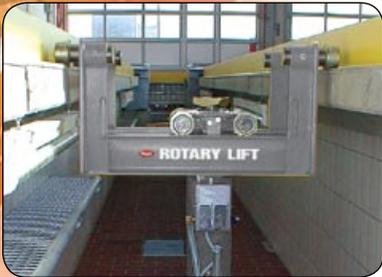


* Floor-running rail pit lifts are custom engineered to match your pit dimensions and therefore are made to order

Suspended Pit Lift



Shown: GHUSLP14
suspended pit lift
ATS - cross beam



Shown: GHUSLP14
suspended pit lift



Shown: GHUSLP14 - suspended pit lift
GSB - support bridge

Quality in Detail

The renowned quality of Rotary® products is assured by modern production facilities. These include high-performance machining centers, as well as precision welding robots and computer-controlled laser cutting machines.

A suspended pit lift rides on a rail at the floor grade area and needs specific structural requirements to safely use the product. Rotary® pit lifts have benefits that will enhance your productivity and efficiency. Pit lifts are designed for effortless moving and sliding in the pit.

Advantages

Rotary pit lifts increase your pits functionality and enhanced productivity will increase revenue. Vehicles can be raised for wheel and hub service, and pit lifts can be used as a service or removal tool for transmissions and undercarriages.

Turn your Pit into a Full Service Bay

- Stop moving from bay to bay to do open service work, perform multiple services in one bay
- A fully functional service bay with little investment
- Do lube and tire work in the same place as well as drop engines, transmissions and drive shafts all in one bay
- Increase your return on investment with your existing pit
- All types of services can be performed in a pit such as removing or replacing tires, greasing suspensions, changing oil and servicing brakes and drive trains. All without the use of a dolly or jack stands



Shown: GHUSLP14
suspended pit lift
ATS - cross beam

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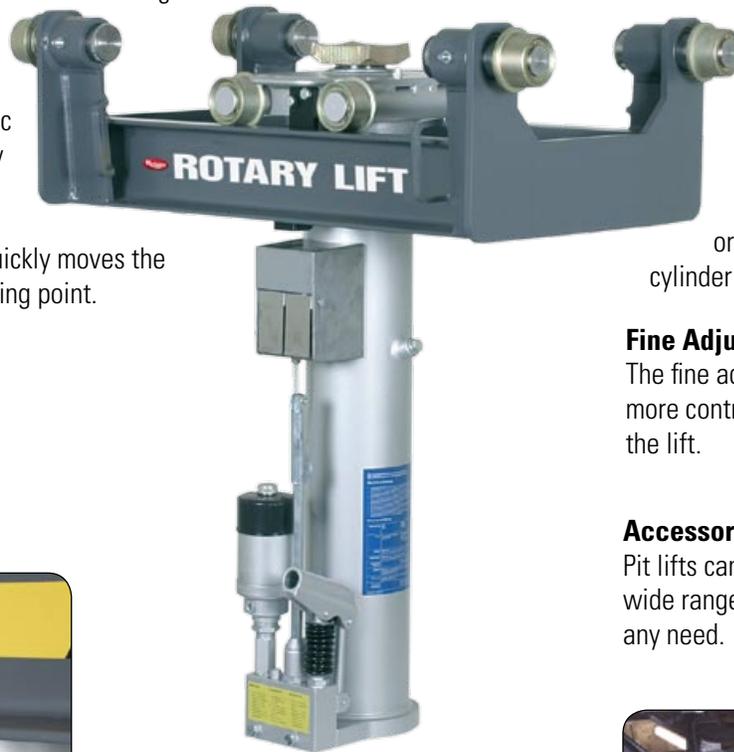
Benefits

Needle Roller Bearings

The standard needle roller bearings on the carriage permit effortless rolling of the lift.

Forced Return

The hydro-pneumatic forced return rapidly retracts the piston even when the lift is not loaded and quickly moves the piston rod to the lifting point.



Chrome Plated Pistons

Both the piston rod and the pump piston are hard-chrome plated, for protection against corrosion and wear.

Corrosion Prevention System

The corrosion prevention system submerges the cylinder in oil every time the lift is raised or lowered, protecting the cylinder walls against corrosion.

Fine Adjustment Stroke

The fine adjustment stroke allows more control when raising or lowering the lift.

Accessories

Pit lifts can easily be fitted with a wide range of accessories for almost any need.



Shown: GHUSLP14
44,000 lbs. capacity
air powered rail mounted pit lift

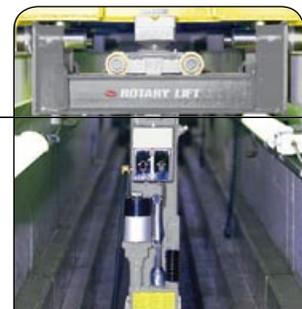


Large-Area Controls

Suspended pit lifts have large controls which make operation easy when wearing gloves. The controls are mounted on the front of the lift to allow maximum freedom of movement in the pit.

Sealed

All oil-filled compartments are bolted on. No hoses, no leaks.



* Suspended pit lifts are custom engineered to match your pit dimensions and therefore are made to order

Pit Covers

The Rotary® segment pit covering turns the conventional approach to pit tasks easier. The pit covers are individual roller-mounted pull-out elements. Any needed section of the pit is opened up leaving areas not in use closed.

Benefits

- *Time Saving* - perform work in front of, beneath and behind the vehicle simultaneously
- *Versatility* - the exposed length of the pit is only as much as needed, the remaining surface can be used for other tasks. This increases the usable surface area of the workspace
- *Productivity* - maximum access to the vehicle is obtainable and bridges can be created across the pit within a matter of seconds
- *Safety* - sections of the pit not in use can be covered. Covers also support extra-high capacity which permits full drive across capabilities



Shown: PCS
pit covers

Pit Lift Adapters

Adapters allow the pit lifts to be used in lifting and removing transmissions and other vehicle components. When used in conjunction with cross beams added support is given to the vehicle.



Shown: GA4
2,200 lbs. capacity
transmission adapters



Pit Cross Beams

Cross beams increase safety by providing more points of support to the vehicle allowing the axles to hang freely. It is ideal for loaded axles and bypassing the differential gears. The cross beams can be combined with adapters to provide even more support.



Shown: ATS
30,000 lbs. capacity cross beams
shown with optional adapters

Support Bridge

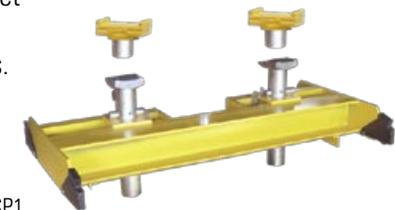
The support bridge allows the vehicle to remain lifted while the pit lift is moved and used in other areas of the pit or in another pit.



Shown: GSB
30,000 lbs. capacity support bridge

Support Package

The support package for a working pit includes: (1) GSB support bridge, (1) ATS saddle and adapter assembly, (2) stack adapters and (1) set auxiliary adapters.



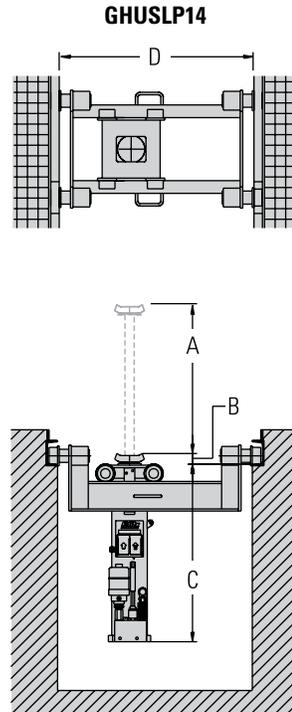
Shown: PSP1
support package

Suspended Pit Lift Specifications

Model	GHUSLP14*
A. Stroke	31 1/2" (800mm)
B. Standard Adapter Height	4 7/8" (125mm)*
C. Carriage Depth from Track**	41 9/16" (1056mm) STD
D. Width	Adj. to Pit
Cylinder Diameter	3" (80mm)
Weight	683 lbs. (310kg)
Lifting Capacity	30,000 lbs. (14,000kg)

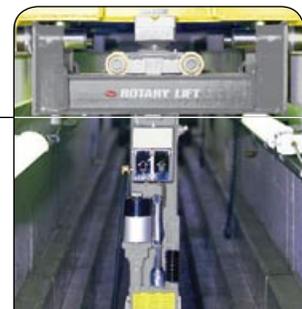
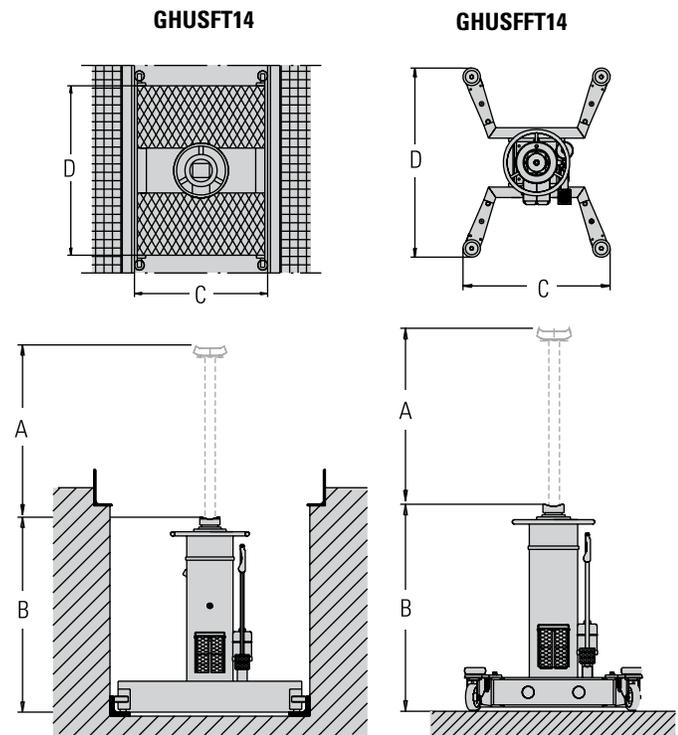
* Suspended pit lifts are custom engineered to match your pit dimensions and therefore are made to order

** Carriage pit depths customized by request



Floor Running Pit Lift Specifications

Model	GHUSFT14	GHUSFFT14
A. Stroke	47" (1200 mm)	47" (1200 mm)
B. Height	39 1/4 (996 mm)	39 3/4 (1009 mm)
C. Width	Adj. to Pit	33 1/4" (845 mm)
D. Length	Adj. to Pit	42 3/4" (1085 mm)
Cylinder Diameter	2 1/8" (55 mm)	2 1/8" (55 mm)
Weight	798 lbs. (362 kg)	820 lbs. (372 kg)
Capacity	30,000 lbs. (14,000 kg)	30,000 lbs. (14,000 kg)



Return on Investment Payback Calculator

R.O.I. Payback Chart

	Typical	Your Example
A. Number of technicians	5	_____
B. Number of minutes saved per day with pit lifts	30	_____
C. Minutes saved per day (A x B)	150	_____
D. Hours saved per day (C ÷ 60).....	2.5	_____
E. Hourly shop rate	\$75.00 USD	_____
F. Additional profit per day (D x E)	\$187.50 USD	_____
G. Number of working days annually.....	260	_____
H. Equipment cost for (1) pit lift.....	\$10,000 USD	_____
I. Approximate days required to recover initial investment (H ÷ F).....	54	_____
J. Additional revenue generated per year after equipment is paid for (F x G).....	\$48,750 USD	_____



Shown: GHUSFFT14
floor-running pit lift
ATS - cross beam

FAQs for Pit Lifts

Q) What is a pit lift system?

A) A pit lift system is the combination of a Rotary® pit lift and selected accessories to convert a pit into a full service bay.

Q) Why would I want a pit lift system?

A) A pit lift system is an economical way to utilize an existing pit or one in a new facility. It can bring additional revenue and productivity to any bay. Each lifting system is specially designed around the individual needs and configuration of the pit. Rotary Lift® can assist in recommendations on how to best fit the right lift to the job.

Q) My pit is old. How do I know if it can structurally support a pit lift system?

A) Because of the vast differences in pits, Rotary offers three different types of systems. A suspended pit lift rides on a rail at the floor grade area and needs specific structural requirements to safely use the product. Floor-running pit lifts are offered in two types, a free floor-running model with caster wheels or mounted to a rail system for cracked or uneven pit floors.

Q) How do I know if a pit lift will fit?

A) When a Rotary Lift representative visits your facility they will help make recommendations on the type of pit lift and accessories that will best fit your location. The suspended and rail-running floor lifts are designed and manufactured specific to each pit.

Q) With the same capacity, how does the cost compare between a pit lift system and a traditional lift system?

A) The pit lift system is dramatically less expensive than a traditional lift system because it utilizes an existing pit. A local Rotary Lift representative can walk you through the features, benefits and any associated cost implications. The cost will very depending on the type of system and options chosen.

Q) Are there any advantages to using a pit lifts over a traditional lift system?

A) Yes! Pit lifts in combination with pit-specific support bridges and lifting devices can give all the same features as a full-rise lift. Also, with interchangeable tops, the lift can become a specialty tool to remove transmissions, clutches, flywheels and other components from the undercarriage of the vehicle. Tire rotations and other wheel service work are advantages to using pit lifts as well.

Q) How many pit lifts do I need to raise a vehicle?

A) One. We offer cross bridges and design them pit-specific, multiple bridge assemblies are used so that the vehicle can be supported and you can use the jack assembly as a removal tool with one of our accessories to properly and safely remove transmissions, flywheels and other undercarriage components.

Q) What type of accessories are available and what type of operations can be performed?

A) Rotary offers several types of accessories for the service work indicated:

- **A transverse saddle allowing dual connection points on the axle or frame for properly raising the vehicle**
- **Pit specific bridges to securely hold one end of the vehicle while service is being performed. Two bridge assemblies can be used to raise an entire vehicle off the ground for the lift to move elsewhere**
- **The removal table is a flat top table with rubber connection pads in each corner and dual security straps to safely hold a load for safely removing components**
- **C-Disk is a clutch removal tool with three connection points to rotate the clutch during servicing**
- **Other specialty tools such as flywheel removal tools are available to make the technicians job easier, safer and more efficient. We can adapt the pit lift to any specific needs to help make your job easier**

Q) Does Rotary offer a system to help cover those areas of the pit that are not being used?

A) Yes! We offer a draw style pit cover that can be driven over by the largest of vehicles. We sell them in 39" (990.6mm) sections that are monolithically poured into the concrete during installation. Rotary Lift can supply additional information upon request to design the pit floor around the pit cover.

Rotary Lift has the answer in meeting your lifting needs. Our exclusive pit lift systems are designed to meet any pit requirements. It easily adapts to different removal or lifting requirements to make your pit more efficient, more productive and increase revenue in the bay.



Rotary Lift® is the world leader in service bay productivity. We offer a broad range of solutions to make any service bay more productive.

For more information and a complete guide to our product offering, visit us on the web at rotarylif.com or contact your local distributor today.



Rotary Lift is an approved AIA provider assisting in continuing education credits. Contact us for training sessions in your area or online.



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Lit# pitCTT_2007.05
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