TRAILER LIFTS
About Stinger Lifts

Stinger by AXE is part of a private Corporation. All Stinger by AXE lifts are manufactured and assembled in historic Council Grove Kansas. We are located about 2 hours Southwest of Kansas City, and about 2 Hours North of Wichita Kansas. We are only 23 miles from the I-70 interstate, so if you are in the area stop by and see first hand how we manufacture and assemble our storage lifts. Stinger lifts began manufacturing Commercial Trailer Lifts in 1993. Stinger lifts is part of AXE Equipment also located at the same manufacturing facilities. AXE Equipment began manufacturing a line of engine rebuilding Equipment in 1978. Our mission is to provide Safe, Affordable, Vehicle and Utility Storage Systems. With a trained staff of employees we are able to provide customer service for todays and yesterdays Stinger products.

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Frequently Asked Questions

Q: How much weight can we transport?
A: 4000 lbs. is Standard on all Stinger lifts. Greater weight capacity is available on request.

Q: What length of Trailer Lifts are offered?
A: 10 ft, 13 ft, 14 ft, 16 ft, & 18 ft ramp lengths, 24' Dragster lifts are also available. Custom sizes are available on request.

Q: What determines the length of Trailer Lift that I need?
A: The wheel base of the vehicle.

Q: Is there only one width of Trailer Lift Available?
A: No, Stinger by Axe Trailer Lifts are built to the customers specifications.

Q: What preparation needs to be done to my trailer to install a lift in it?
A: Stinger by AXE requires you to put extra supports in the wall and the floor where the columns are mounted. Each column has two mounting points on the top and bottom.

Q: How much weight will I be adding to my trailer if I install a lift in it?
A: From 1125 lbs. to 1600 lbs. depending on what length of lift you use.

Q: If I want to install the lift in the trailer myself, how much time does it take to install the lift?
A: In most cases it will take 10 to 12 hours to install the lift.

Q: How much ceiling height do I need?
A: Add the height of both vehicles and add another 10”

Q: How high will the Trailer Lifts Raise for clearance under the ramp?
A: The Trailer Lift will raise to a clearance height of 80.50” under the ramp

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Q: What are the pre-set lock clearance positions on the Trailer Lifts?
A: 36”, 42”, 48”, 54”, 60”, 66”, 72”, & 80.50”

Q: What is the maximum height the lift will raise?
A: 80.50” under the ramp, 84.50” to the top side of the ramp

Q: What color is the lift?
A: Lifts are powder coated White, Black, Silver, Red, and AXE Blue is available on request

Q: What is the Warranty?
A: One year on parts, 5 years on the Structure

Q: What maintenance is required?
A: Keeping locks levers adjusted, lubricating the column sliders, and cleaning.

Q: Have the lifts been tested?
A: YES. The lifts have been tested to 3 times its weight capacity.
Stinger by AXE Features

The Generation 3 Trailer Lift is designed with drive through space in mind. With heavy duty posts that measure in at only 1\(^\text{3/8}\)” thick customers can comfortably and safely enter the lift.

With the sleek design of the G3 lifts each post has the capability of being installed into the walls for even greater clearance if desired.

The Generation 3 Trailer Lift uses hidden lock release linkage inside the crossbars, and hidden lock blocks inside the post. This unique design eliminates any chance of damaging the lock release linkage, and reduces installation time for the lift installer.

Each Stinger lift comes with 8 pre-set lock blocks inside each post for added safety.

Each Stinger lift comes with a set of 4” tapered light weight (15#) aluminum “detachable” drive on ramps for entering and exiting the lift.

Each Stinger lift comes with a one way hydraulic control valve for adjusting and controlling the downward speed of the ramps

Each Stinger lift comes with an American made 3” hydraulic cylinder that can be taken anywhere in this county for repairs today, or 10 years down the road.

Each Stinger lift comes with 3 tie down points on each ramp.

Each Stinger lift comes with short circuit and thermal overload protection for added protection on your 12 volt power system.

Each Stinger lift comes powdered coated for a long lasting finish.

Each Stinger lift comes with a safety cable on each of the four columns. These aircraft style 3/8” galvanized rust resistance wire cables are rated at a 14,400 pound breaking strength. 10 times the rated weight capacity of each lift.

Each Column is built with a tie down point on the foot and the crossbar. This feature allows the user to anchor the ramps, eliminating the bouncing up and down as you travel down the road.

Each Stinger lift comes with a 8 foot hand held remote control cord allowing you to operate the lift from a distance.

Each Stinger lift comes with a total of 14 pulleys. Each pulley is equipped with a roller bearing for safety and reliability for years to come. This unique feature reduces cable wear, and friction resulting in a smooth Up and Down Operation.

Each Stinger lift comes with a drip pan located under each end of the hydraulic cylinder for containing any drips that may occur. This unique feature adds protection for the car underneath from any oil damage.

Safety Locks

For added safety all Stinger Lifts use a series of pre-set safety lock blocks welded inside of each post. The safety lock blocks are used in conjunction with a spring loaded lock lever located on each corner of the lift. This exclusive safety device is operated from a single lock release handle. Our lifts have all been tested to 3 times the weight capacity.
**HOW TO ORDER YOUR STINGER BY AXE TRAILER LIFT**

The Model # on the Dealer Price Sheet represents the length (in inches) and design of ramps needed. Example: T156FG3. This means you are wanting a 156” long ramp. (13’)

Remember when laying out the floor plan the lift comes with a set of detachable 39” long drive on ramps.

The second set of variable numbers needed to complete the order represents the desired overall width of the lift in inches. You should leave some clearance from each side of the interior walls, we suggest 1/2”, that’s 1/4” on each side. So, if your 96” interior trailer walls are square from top to bottom you could order a 95.5” wide lift.

The 3 set of numbers to complete the order is 94”. This is the height of the 4 columns that attach to the wall. This number will not change unless a custom set of columns is requested.

Your completed order, using the above example, would be Model # T156F-95.5-94.

This explains to Stinger by Axe that you want a (T) Trailer Lift that uses 156” ramp and a width of 95.5”, with standard 94” post.

*If you need any assistance with ordering feel free to call us at 800-251-0018*

**Technical Data**

To determine the distance between columns simply deduct 4” from the overall width of the lift.

To determine the distance from the outside of one ramp to the outside of the other ramp use the following formula:

\[
\text{models} = \text{Lift width} - 41\text{”} + 19\text{ “} = 19.375
\]

T120 & T216 Models: Lift Width - 41” + 22 1/4” = 22.75

T168, & T192 Models: Lift Width - 41” + 19 1/8” = 19.125

(example: T156F-94.50-94 Lift = 94.50 - 41 plus 19.375 = 72.875)

To determine the distance from the inside of one ramp to the inside of the other ramp use the following formula:

\[
\text{T156 models} = \text{Lift width} - 41\text{”} - 19\text{ “} = 19.375
\]

T120 & T216 Models: Lift Width - 41” - 22 1/4” = 22.75

T168, & T192 Models: Lift Width - 41” - 19 1/8” = 19.125

(example: T156F-94.50-94 Lift = 94.50 - 41 minus 19.375 = 34.125)

To calculate the ceiling height required refer to the “Will it Fit” illustration in the rear of this booklet.

**Ramp Styles & Design**

Stinger offers five standard ramp lengths. 10’ 13’ 14’ 16’ & 18’. (Custom sizes are available on request)

Every ramp we manufacture includes a powder coated finish, diamond plate runways, 3 tie down anchors per ramp, and a heavy duty 12 gauge center support stiffener welded to the underneath side of each ramp for a bullet proof structure.

For dealers that desire to install their own flooring we offer a model with an “Open Channel Design.” With an open channel design all the structural support is manufactured except, Stinger does not add a top to the ramp, this allows the dealer to install their own flooring.

Every Stinger Lift is equipped with a pair of 39” Light-weight (14#) Detachable Drive on Ramps.

Because any oil drip on a vehicle matters. Standard equipment on every Stinger lift is includes a drip pan located on the rod end and breather end of the hydraulic cylinder located under the ramp.

Every Stinger Lift comes with 3 separate tie down points on the inside of each ramp.
Stinger Lift Exclusive Features

When it comes to the details look no further than Stinger by AXE. Our exclusive pulleys with sealed bearings gives you a smooth, safe, and reliable long term operation. Compared to the thin wall bushings our sealed bearings will provide 10 times greater surface area with 100% less friction. These exclusive features gives you all the tools needed for long term use.

Others

Stinger

Complete Pulley System included with each Stinger Lift

Cross Bar Tie Downs

Each Column is built with a tie down point on the foot and the crossbar. This feature allows you to anchor the ramps, reducing any up and down eliminating the movement as you travel. Straps not included.

Narrow Columns

With just a 1 7/8” wide column Stinger lifts gives you ample drive on clearance between columns.

Hydraulic Pump

Every Stinger Lift comes with a 12 volt motor and hydraulic pump that includes a 8 foot remote control cord set. Cord set features short circuit protection, and each motor is protected with our exclusive thermal protection device mounted on the motor.
WILL THEY FIT?

4" MINIMUM CLEARANCE REQUIRED

1/4 MIN

4" RAMP THICKNESS

ROOF CLEARANCE

CAR - A

CAR - B

TOTAL

CEILING HEIGHT - TOTAL = CLEARANCE  (CEILING HEIGHT MUST BE GREATER THAN TOTAL)
CHECK LOCK HEIGHTS FOR FINAL FIT.