Dare to Compare / Separating Fact from Fiction

Too often in the DIY auto lift market, manufacturers rely on the dissemination of inaccurate information and creative advertising ploys in order to sell inferior products. BendPak recommends that anyone in the market for an auto lift thoroughly conduct comparative research of all the options before ultimately deciding which lift to purchase. In an effort to assist the customer in navigating the various factual gray-areas and minefields of misinformation, BendPak compiled this study for your consideration.
Full Range of Lift Models to Choose From
BendPak has 72 unique lift models ranging from lightweight to super-duty. Many “hobby” lift companies could not come close to a fraction of lifts BendPak sells globally. Investigate thoroughly on the web using several search engines to see how many pages other, lesser-known lift companies appear on when compared to a true world-leader like BendPak.

Optional Equipment
Many valuable options are available for your BendPak four-post lift.

Service is our Specialty
BendPak has over 650 installation and service centers located in the United States. These fully equipped installation and service centers have specialty service fleets that make a living installing and servicing large car dealerships, national accounts, auto repair centers and occasional auto enthusiasts and DIY’ers.

Engineering Excellence
BendPak has a staff of seven full-time engineers who do nothing but design, test and evaluate lift systems. BendPak lifts have changed and evolved over the past 40-years, not because they want to sell you on a new model every few years, but because they are constantly improving the structural integrity and design of our lifts to meet ever-changing world standards. On the surface, many lifts look “engineered”, but what lies under the surface? All BendPak lift designs are computer modeled for function and structural integrity, undergo simulation of applied forces, axial force, bending moment, etc. using Solid Works Cosmos and other FEA programs. After the design is sound, they proceed with actual destructive (physical) testing.

There is only one real national lift standard for quality and safety - OSHA endorsed ANSI/ALI ALCTV-2006. If you don’t see any reference to this standard, then ask yourself if saving a few extra bucks on a non-certified lift is really worth jeopardizing the safety of you, your loved ones and your valuable equipment. BendPak gives you value, but more important, peace of mind.
ETL Certified
The only reason a lift is not granted ANSI/ALI ALCTV-2006 certification is if it does not pass the standard. This could be due to a number of factors including a lack of a slack-cable lock system, a substantiated engineering report from an accredited PE (professional engineer) verifying that all components could withstand a load of 150% capacity with no permanent yield or deformation of any kind, their absence of an ample cable guard to prevent unintentional displacement, and more. Do not take the risk. These certifications exist for a reason.
Common Misleading Claims

- Claims that state "Meets or Exceeds Standard ANSI/ALI B-153.1" are meaningless. This standard no longer exists.
- Claims that state "Meets all ANSI Standards" are meaningless. No other standards apply to lift construction except ANSI/ALI ALCTV. In order to meet ANSI/ALI ALCTV, Certification is required. Look for the Mark.
- Claims that state "Meets all OSHA Requirements" are meaningless. OSHA has no requirements governing automotive lifts, but they do write citations that apply to them. OSHA does this under the General Duty Clause and recommend to those cited that it would be prudent for the cited party to follow the directives in the various standards developed by ALI.
- Any claim that implies "This lift is ALA Certified" is worthless. ALA (Automotive Lift Association) is reported to be an organization of suspect lift suppliers with no endorsement by ANSI or OSHA. ALA appears to be purely fictitious and created merely to confuse purchasers, users and inspectors.
- Any claim that implies "This lift is MAMTC Certified" is worthless. MAMTC (Mid-America Manufacturing Technology Center) is a unit of Wichita State University which, in one instance, attempted to certify a lift model. Test Reports on MAMTC letterhead stated that a particular lift complied with ANSI B153.1 – 1990. Of course this is meaningless because MAMTC is not a NRTL (Nationally Recognized Test Facility), and the standard cited is obsolete.

Don’t Call it “Plastic”
Even if a lift is ANSI/ALI-2006 certified, ask yourself if you want to do business with a company that tries to mislead you with padded, false certification. BendPak lifts incorporate UHMW (Ultra-High Molecular weight) Polyethylene glide blocks to maintain proper alignment of lifting and safety components. UHMW is often referred to as the world’s toughest polymer. A linear high density polyethylene, UHMW has high abrasion resistance as well as high impact strength. UHMW is also chemical resistant and has a low-coefficient-of-friction which makes it highly effective in a variety of applications. BendPak glide blocks are simply guides that keep the cross tubes and safety ladder centered within the column and minimize sway.

Designed for Longevity
BendPak lifts feature cable sheaves that are precisely centered within the cross tube to ensure that the cross tube stays level, thereby eliminating side loads of any kind. Lesser-known lift brands employ cross tube sheaves and axles that are located outside the cross tube body, forcing the cross tubes to twist or rotate away from the sheave as the lift raises. This twisting occurrence tends to develop side-loading on their cross tube components and plastic sliders.
Hydraulic Cylinder Design

All of BendPak lift cylinders use internal flow-restrictors to prevent rapid fall in case of a hose or fitting failure. This is a worldwide safety standard that is required for all commercial lift manufacturers. International lift standards prohibit the use of quick-disconnect fittings on vehicle or personnel lift applications. Quick disconnect fittings have spring loaded ball-in-seat components. If the ball does not “seat” like you expect it due to contamination or a faulty ball-seat, there is nothing to shut off the flow of oil and the uncontrolled descent of your lift. Hose “blow-outs” simply do not occur under normal use. As part of the ANSI/ALI ALCTV-2006 standard, all BendPak hoses have a 400% safety factor based on the pressure required to operate the lift at its rated load capacity.

BendPak HD-9 series lift models feature a single 3” diameter hydraulic cylinder hidden away under the runway for maximum performance, reliability and minimum elemental exposure. Our industrial-grade hydraulic cylinders feature a one-piece, pilot fitted, machined steel piston wrapped with specially designed, pressure loaded U-cup piston seals, backups and wear bands that virtually eliminates any fluid bypass. The micro-smooth chrome-rod is machined from high yield, ground & polished C-1045/50 micro-alloy steel and plated to a minimum of .001” diametrically, to ensure superior cylinder operation and life. Specially designed, high durometer, mechanically loaded rod seals virtually eliminate rod seal leakage and a specially formulated abrasion resistant urethane rod wiper provides exclusion protection. The welded cylinder body is made from high yield-strength steel tubing produced to exceed ASTM specifications. This combination of superb base material and superior processing ensures straight, smooth and long duty life cylinders.

Redundant Safety Lock System

BendPak four-post lifts employ eight independent safety lock devices - four primary and four back-ups.
**Adjustable Safety Locks**
BendPak’s adjustable ladder provides adaptability for unlevel floors, enabling your vehicle to sit safely in a level position even if your floor is unlevel - an important feature that many other lift brands lacks. BendPak also features 13 adjustable lock positions to provide greater versatility and storage height coverage.

**Commercial-Grade Pneumatic Safety Lock System**
Our commercial-grade pneumatic safety lock system ensures that your locks release simultaneously every time. Other lifts use linkage rods to release the four spring loaded locks. That’s a lot of resistance to overcome. That, combined with the accumulation of slop for all of the linkage points, means the safety lock furthest from the operator has a good chance of not being “pulled back” far enough. Think about what would happen if three corners descended and one stuck. The worst cause of lift failures or vehicle “drops” is the runways suddenly becoming unlevel due to a seized column or a stuck lock. Mechanical linkage systems are more prone to failure.
**Anti-Twist Cable Block**

BendPak’s cable block attached to the chrome rod features “outrigger” sleds that ride on the inside rails of the runways to ensure the cable block remains square at all times. Lifts that do not incorporate this device can experience cable block misalignment (the cylinder rod tends to rotate as the cylinder moves due to the inherent nature of the cables trying to “unwind” and/or the rifling surface inside the cylinder bore) which ultimately causes premature wear of cables and/or sheaves.

![Image of Anti-Twist Cable Block](image.png)

**6” Diameter Cable Sheaves**

Our 6” diameter cable sheaves are a tad bit on the large size, but these super size sheaves will add years of service life to the lifting cables. The largest contributing factor for premature cable wear is bending fatigue as the cable wraps around the sheaves under load.

![Image of 6” Diameter Cable Sheaves](image.png)
Powder Coat Paint Finish
All BendPak lifts feature a durable powder coat finish that gives the metal a high-quality, extremely durable finish which can withstand even the harshest environmental or chemical conditions. Unlike other companies that claim to powder coat, we take pride in our meticulous process. First, all parts are visually inspected before being sandblasted and then washed in our five-stage phosphate tanks. They’re immediately dried to avoid rust production, then any surfaces and/or threaded holes that need to be masked or plugged are done so with high-temperature masking tape and silicone plugs. Next, the parts are given a quick thinner wipe to remove any light debris or fingerprints, before being hung on an electrostatically grounded conveyor line. The powder is then applied using an electrostatic spray gun. The powder ”sticks” to the parts similar to how dust sticks to a television screen. Once the parts are powder coated, the carts are rolled into our curing oven and baked at 400°F for 15 for 45 minutes.
Professional Appearance
BendPak lifts are more visually attractive because they feature lifting cables that are routed internally through the cross tubes and columns. They are also void of clumsy linkage rods and external safety locks.

Other Brands
Immediate Shipping
BendPak has one of the largest inventories of lifts in the world with over 3,000 ready-to-ship models available for immediate shipment. Our in-stock units offer consumers a variety of lift designs and capacities, as well as several options to choose from. If we do not have it in stock, our experts can help you spec the specific lift your job demands.

State of the Art Manufacturing Facility
BendPak delivers the highest quality, most technologically advanced lifting products in the world thanks to our state-of-the-art manufacturing facilities. In September 2006, we inaugurated a brand new 300,000 sq ft facility specifically for production of our popular HD-Series 4-post lifts and XPR-Series 2-post lifts. This new facility, designed for maximum efficiency and safety employs the best steel fabrication equipment from around the world.

A Computer Numerically Controlled (CNC) sheeting line forms various profiles of panels up to 30 ft long in a wide range of gauges. CNC machines use streams of digital information from our CAD-CAM outputs to cut, roll form, and pre-punch bolt holes in steel components.
Innovative BendPak manufacturing processes are centralized and deliver cutting edge technology and unprecedented quality control. All of BendPak's manufacturing facilities are efficient with state-of-the-art processes to serve our customers' needs in the most cost-effective ways possible. Companies that want to be competitive in an increasingly global marketplace must have a global presence and outlook. BendPak continually looks for opportunities to strengthen our existing presence in the global arena and strives to set world-class standards in everything we do.
Our multi-department manufacturing complex has allowed us to add machinery and employees, giving us the opportunity to triple the amount of daily production. All BendPak employees are well skilled and Q.C. trained, following strict guidelines as outlined by ISO-9001. Every day, more than 700 employees around the world dedicate themselves to putting our core values into action. Safety is first - it's our company's top priority, followed closely by environmental responsibility, focus on cost, quality, customer service and accountability for all departments. These principles guide our highly skilled workforce towards BendPak's unified vision. Without our core values, BendPak would never be the admirable, world-class industry leader it is today.
Priding itself on being a leader in both process and product technology, BendPak has three research and development facilities dedicated to advancing the boundaries of vehicle and parking lift technologies. BendPak’s research and development divisions are the catalyst for innovation. Our R&D personnel are best equipped to properly explore and expand opportunities to deliver superior products to consumers.

Reliability, accuracy and durability are the hallmark of our products. BendPak follows stringent quality control measures at every level of manufacturing, facilitating smooth and efficient production at every stage. We are the perfect blend of ultra modern machines and an excellent workforce. That enables us to deliver safe, well-built products made from the best materials. All of our manufacturing facilities employ state-of-the-art metallurgy equipment to ensure all materials meet or exceed worldwide standards.

Our facilities employ equipment such as Tensile Testing Machines, Impact Testing Machines, Metal Hardness Testers, Brinell Hardness Testers, Rockwell Superficial Hardness Testers, and Vickers Hardness Testers.

BendPak customers are supported by a specialized service program known as Certified ServiceSM. Our fully staffed Customer Care Center (CCC) is available to meet all of your support needs including highly responsive technical support; one-on-one communication with account representatives and technical experts; electronic data interchange (EDI); a highly-efficient logistics support chain, automated dispatch and communications system and a tightly integrated system that allows incident management; trouble-shooting and reporting to be seamlessly provided to customers seamlessly, regardless of location.
Judge Us by the Company We Keep

This is my BendPak

There are many, but this one’s mine.

“My automobiles are priceless to me, that’s why I decided on BendPak. They’re durable, rugged, dependable and safe—which means a lot to me and the crew at my garage.”


BendPak. PROVEN AUTOMOTIVE SERVICE SOLUTIONS

For more information on BendPak’s entire product line, call 1-800-200-2565 or visit www.bendpak.com

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This is my BendPak

There are many, but this one’s mine.

“The SO-CAL Speed Shop bought its first piece of BendPak equipment, a four-post lift, in 1995. We use the hoist on a daily basis and it’s given us 13 years of trouble-free service. Based on that single purchase, we now use the BendPak product line throughout our facility.”

– Alex Xydias, Pete Chapouris and Jimmy Shine
www.so-calspeedshop.com
This is my BendPak

There are many, but this one's mine.

"I set my standards high and take great pride in my work. The cars I build prove it. And, when I say 'Building with the Best' that includes the equipment I use. BendPak makes the best in the business, that's why they're in my shop."

- Rich Evans
Building For Life
www.richevansdesigns.com
This is my BendPak

There are many, but this one's mine.

"During my crazy, day-to-day business and running global franchises, I don't have time for mistakes or problems. That's why I only use the best equipment when I'm building top of the line vehicles for my clients; that's why I chose BendPak."

– Ryan Friedinghaus
CEO, The World Famous West Coast Customs

For more information on BendPak's entire product line, call 1-800-253-1363 or visit www.bendpaks.com
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There are many, but this one’s mine.

“Building quality custom automobiles requires the right talent, materials and equipment. Boyd Coddington’s crew provides the talent and our materials are top notch. The equipment used can make or break a deadline. With BendPak, our builds go like clockwork.”

— Duane Mayer, Boyd Coddington’s Garage Manager and star of TV’s “American Hot Rod”