



# The Twin Post

Update for the SVI Line of  
Intentionally Designed Equipment & Repair Parts



Newsletter by SVI and  
"Done Fur Real"  
Productions

September 2022

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**SVI's Facebook Page:  
no longer dormant...**

## Minimum Bend Radius Rescue +

*Don't Get Caught Exceeding the Limit!*

DeKalb, IL - SVI engineering never rests, and the surge to design new products for **Electric Vehicle** charging applications as it turns out, can also benefit Diesel Fueling needs. Both diesel fuel hose and EV charging cables have minimum bend radius requirements that should not be exceeded.

EV charging cables and diesel fuel hoses are expensive and need to be properly protected.

A 20' length of the larger diameters of fast rate "DC" charging cables can cost in excess of \$3000.00 and weigh 40 lbs. or more.

These cables don't just charge your car or truck real fast, each cable has communication wires. These wires are fragile and allow the battery and charging station to properly communicate things like charge rate, charge status, and temperature. Some cables like those from Huber+Suhner are actually liquid cooled. So, maintaining the proper cable bend radius has never been so important to preventing damage to the cable and maximizing the lifespan.

The new "MinRad" robust cable and hose retractor clamp from SVI is the low-cost solution everyone in the industry has been anticipating. No matter whether you supply diesel fueling hose or are an authorized EV charging station installer, these clamps will do the job and reduce your costs.

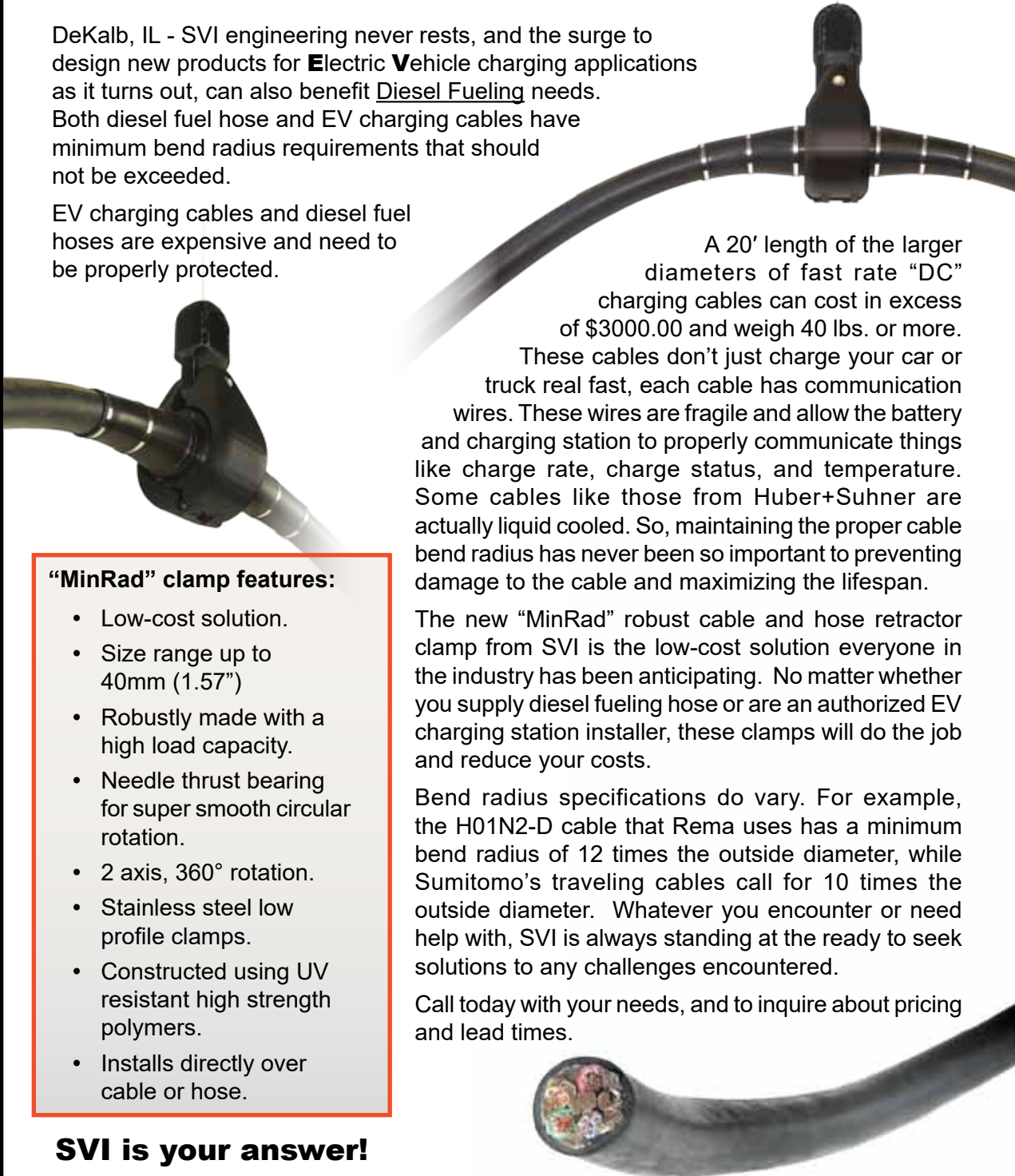
Bend radius specifications do vary. For example, the H01N2-D cable that Rema uses has a minimum bend radius of 12 times the outside diameter, while Sumitomo's traveling cables call for 10 times the outside diameter. Whatever you encounter or need help with, SVI is always standing at the ready to seek solutions to any challenges encountered.

Call today with your needs, and to inquire about pricing and lead times.

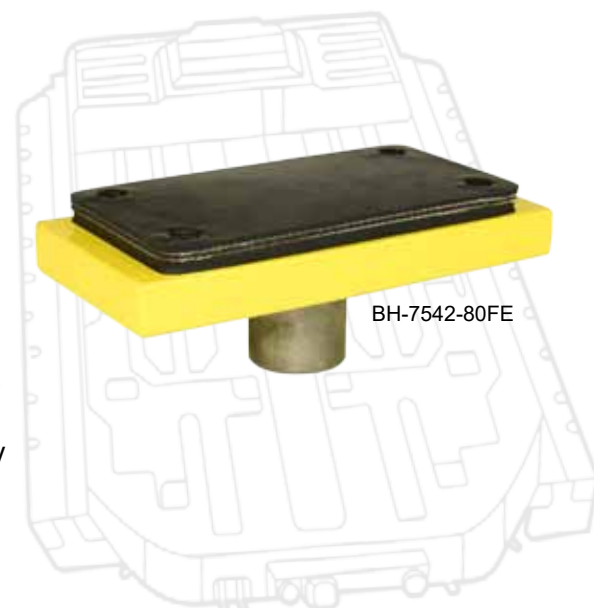
### "MinRad" clamp features:

- Low-cost solution.
- Size range up to 40mm (1.57")
- Robustly made with a high load capacity.
- Needle thrust bearing for super smooth circular rotation.
- 2 axis, 360° rotation.
- Stainless steel low profile clamps.
- Constructed using UV resistant high strength polymers.
- Installs directly over cable or hose.

**SVI is your answer!**



## Battery Replacement Lift Adapters for *Ford Mustang Mach-E*



The Ford Mach-E is one hot selling **EV** vehicle today, and demand pressure for them is quite high. Thus, eventually the time will come when battery service is required. To perform battery service, Ford provides four specialty hoisting pads that mount directly to the battery. These pads (Ford P/N 501-424) are used between the battery itself and the lift adapters. The technicians will exclusively use lift adapters such as the one pictured from SVI that will properly mate with the Ford interim hoisting pads.

For battery removal, the vehicle is supported on 4 high capacity jack stands, and the lift arms are then lowered from the vehicle lifting points, and repositioned under the Ford battery hoisting pads. Once in position, the arms are raised into contact with the hoisting pads so the battery can be released. The old battery is then lowered onto to a rolling cart by the automotive lift and rolled away. The new battery is positioned in place, then raised up for final installation, simple! For adapters to get specialty jobs done, (for Rotary, Challenger, etc. lifts) SVI is your answer!

## Adapter Pad Assemblies for *Subaru Solterra / Toyota bZ4X*



Skirt, Skirt, Subie Skirt! People sure do love their Subaru's. So does Toyota, as it has a big financial stake in Subaru. The Subaru Solterra is part of a joint venture between the two companies with the Toyota bZ4X being the Solterra's nearly identical twin EV.

These two **EV**'s require extra special care and attention when being lifted for service. There are very specific lifting points that must be utilized, and the pinch welds are not an option. 4" to 5" round or similarly sized square rubber pads are suitable as long as there is significant height or clearance to avoid metal on metal contact.

SVI already produces a solution for use on these cool new **EV**'s that can be used in conjunction with the Rotary high step flip-up cast ductile iron adapter. For any shop with different adapters or other makes and models of lifts, SVI is ready to help. As everyone likes to say, one phone call does it all, SVI is your answer!



**SVI is your Answer!**

**innovative**





## **RAISED** for the Occasion!

**ComEd's 2022 Navistar HV607's where Uptime is Upfront in every aspect!**

These new Navistar trucks put to use by ComEd are feature packed and provide the most optimum in user-ability features on the market. And, with the combination of the new super thick frame rail and maximized rear suspension, taller lift adapters were needed to make the point. When it comes to performing routine maintenance and general repairs, the taller and beefed up adapters produced by SVI, get their HV607's up and fully lifted in no time.

As many are aware, SVI produces heavy-duty vehicle lifts, utilizing dual saddle rear tandem axle-lifting superstructures like those used to service an HV607. The standard SVI models include a 2 post 2P-1012-IB rated for up to 60,000 lbs. and a 4 post 4P-106-IB rated for an impressive 100,000 lbs. of lifting capacity.

For this very reason, large fleet operators routinely turn to SVI for special lifting solutions to handle the new lifting points of today's changing fleets.

These new taller adapters for SVI lift models are available now. It turns out they are also an SVI DIRECT-FIT™ product that can be used on AT1012 and AT10210 DSH and DSE Rotary lift models currently found in service.

Anywhere heavy-duty lifting is performed, SVI is ready to help with any special needs that may arise on a moments notice. SVI engineering listens and production reacts.



BH-9790-92A

### **— FÚBÁR in the field —**



High end shop chooses the best mounting position for their bench vise. While this is not the method of choice we would use, others like to perform the slow turn.

Rotate, slide handle thru, rotate and repeat until finally tightened.

Thanks, Frank!

# **solutions**

## **800-321-8173**

## **CONSTANT FORCE** RETRACTOR



BP-1352-1210  
Left and Right  
hand models will  
be available!

## What **Avant Garde** and **Engineering Value** have in *common*...

As **EV** product development solutions have been kicked into high gear, so have new ideas.

This newly designed retractor is the result of an SVI engineer's unique idea and desire to come up with something with real "feel smooth" operation.

Other retractors will pull back on you at different rates or with bounce, like you would find in a counterweight retraction system. The **CONSTANT FORCE** retractor is smooth, and is the same throughout the entire length of travel. Plus, a ratcheting lock mechanism was incorporated, so while a charger is connected to the car, retraction is stopped so it is not being constantly tugged against, cool huh?

While this retractor is not yet in production, it will be one of the most competitively priced and fully serviceable retractors available. We are greatly encouraging pre-production orders now. Get some reserved for your applications. Call or email us to learn more.



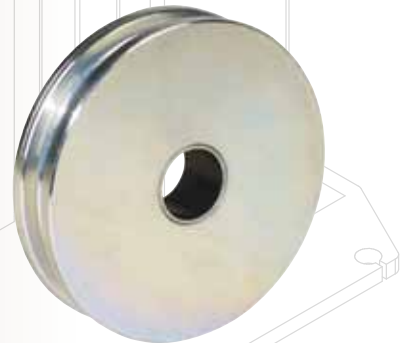
*This is a dangerous situation!  
...They need a retractor system.*

## It **Can** Still Be Had!

Keeping automotive lifts in service and functioning safely is always a top priority at SVI. This sheave still remains continually available. This may be boring to hear but it is important to many owners of the lifts that use it.

The BH-7545-60 steel sheave from SVI is a **DIRECT FIT™** replacement product for the Rotary FJ7823-3 sheave. It is found on lift models SPO15, SPO16, SPO18, and SPO20.

When your accounts are counting on you, you can count on SVI!  
For products made available again forever, SVI is your answer!



BH-7545-60  
(Xref: FJ7823-3)

## Inflation Can Mean **LOWER COSTS** Too!

Exceeding expectations, and seeking ways to provide industry professionals with savings, is what drives SVI. In times of ever increasing costs, sometimes it only takes working harder to achieve the desired results.

The pictured inflating valve, for use on Hunter, Sice, Guilanno, and also found on perhaps other tire changers, is an example of pursued lower costs. Often this comes with a big initial price tag when it comes to the tooling investment. You weigh the cost-savings and initial investment, then you look at the overall picture. With all true business decisions, you assess risk reward and dive in, or run like mad!

The overall idea is to work hard at achieving savings, and pass them on - the SVI way. What would you like explored next?



BW-4011-42  
Inflation Valve  
for Hunter and others  
(Xref: RP11-5-400942)



## A Growing Investment in Selection!

SVI stays hard at work to make sure the parts you need are readily available. For over four decades, SVI has been supplying repair parts for virtually every make and model of automotive lift encountered in North America. This has included repair parts for the growingly popular line of products available from BendPak.

From cable assemblies to lift adapters and everything in between, the SVI product line is vast. SVI will even stock obscure and rarely used parts to fully support both obsolete and current production models. This means, regardless of whether you encounter an older PR9AC or MX-10CX BendPak lift or a newer model such as an XPR-10AS, SVI is ready to help. Plus, you can just pick up the phone and call us directly to discuss your needs.

Don't forget SVI also works on many custom projects to provide the automotive lift industry with solutions to everyday challenges encountered in the field. One of our recent projects was designing and producing Adjust-A-Spot arm extensions for the BendPak RBJ4500 rolling bridge jack as pictured below. These extensions provide optimum positioning and stability allowing users more flexibility in range.

To support those who are called to service the newer and very popular \*MaxJax® M6K, SVI has the hydraulic cylinder seal kit available. This kit contains all the necessary seals to properly rebuild cylinder No. 5502043 and get the lift back in service and operating leak-free.



\*MaxJax® is a registered trademark of BendPak, Inc.

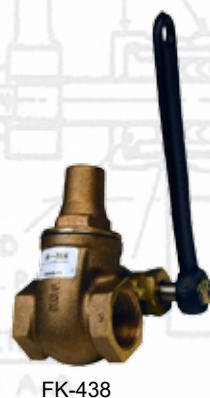


## The Green Handle is Gone!

SVI tries very hard to keep everything "available again forever" as possible, some things are beyond our control. It is never fun to report disappointing news, and at SVI we strive to bring generally only exciting and new things to the forefront. Unfortunately, A.Y. McDonald has made the business decision to halt production of our occasionally preferred FK-848 1-1/4" oil control valve for in-ground lifts. But, not to worry, SVI still has "hands down," the most popular oil control valves ever used in the automotive lift industry, available.

The industry favorite FK-438 with the internal spring design, is less tamper-prone to more likely keep the deadman handle return feature intact. Both the FK-238 and FK-902 feature an external return spring for ease of service. Regardless of your preference, choices are still available. For those of you who require a higher operating pressure, the FK-902 is good to 300 WOG, while the FK-238 and FK-438 are rated up to 200 WOG.

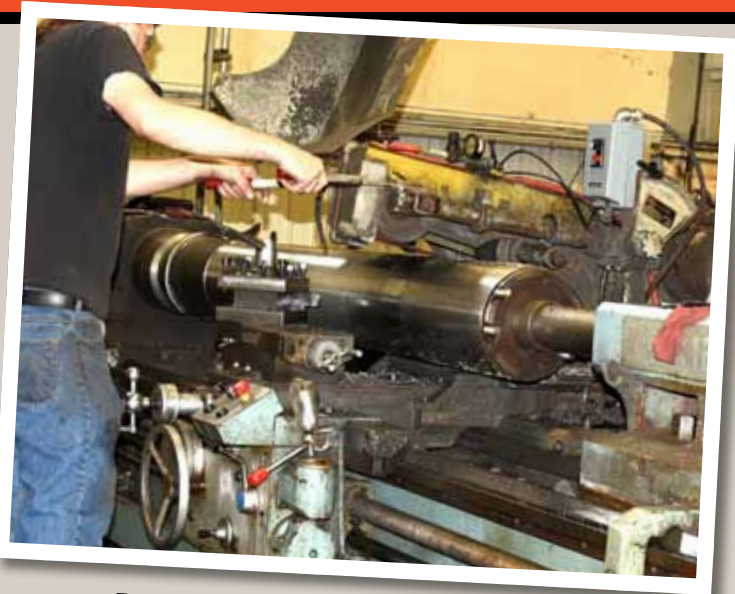
When you need to replace an oil control valve - SVI is your answer!



## Kicked Into High Gear and American Made!

The SVI shop is a thing of pure beauty if you are into manufacturing shops and products made in the United States. Products are being churned out, and the backlog is quickly becoming reduced. This does not mean to say there are no hiccups, because there does remain the odd material procurement problem here and there. However, many materials are becoming more and more readily available with less wait time, and in some small cases, steel yards are actually starting to see some cost declines.

The shop's manager has also been searching for some new machines to help increase productivity and expand capabilities.



Putting the final polish on a cylinder rod.



Currently, all the machines are being utilized to capacity, and while productivity rates are very high, there are ways, with some machine additions, to speed up certain large run jobs. Just a few new machines would be beneficial for products such as height adapters, and the locking flipper/dawgs used in all the safety legs/non-rotators.

During some of the downtime, waiting on material, or restaffing with new welders and machinists, maintenance was performed on much of the equipment. The downtime was also used to do some re-organization of machine placements and improve material organization through the use of new bar racks and shelving. Some of the best things to come from all the effort made, to make the shop more organized and productive, are the words people use to describe what they are now seeing.

Everything in its place and a place for everything. Custom and new adapters are churning out at faster rates than ever. In fact, the special adapters for ComEd featured on page three of this newsletter, were made in one day once the material was out of the plasma cutter. Obviously, quick turnaround and short lead times are what everyone is striving for, and day by day, it all keeps improving. Now, with the full compliment of staff, the paint department can hardly even get a chance to set the paint sprayers down. SVI has kicked it into high gear, and it is thanks to all of you and everyone here, who is doing everything they can to meet the daily expectations of everyone SVI serves.

## SPECIAL REQUEST ENGINEERING

Hardly a day goes by when SVI is not working on some form of special need request. These requests are important to SVI, because helping solve interesting challenges, can lead to awesome customer satisfaction and more opportunities.

For special requests, SVI is the answer!





# and value

## Privately-Owned Multinational Company Turns to SVI

The Willamette Valley Company is a leading-edge manufacturer and distributor of a wide variety of innovative products such as coatings, fillers, adhesives and more, to destinations all across the globe. Getting their start in 1952 primarily in the wood products industry, they have leveraged their core capabilities, and their business focus has evolved.

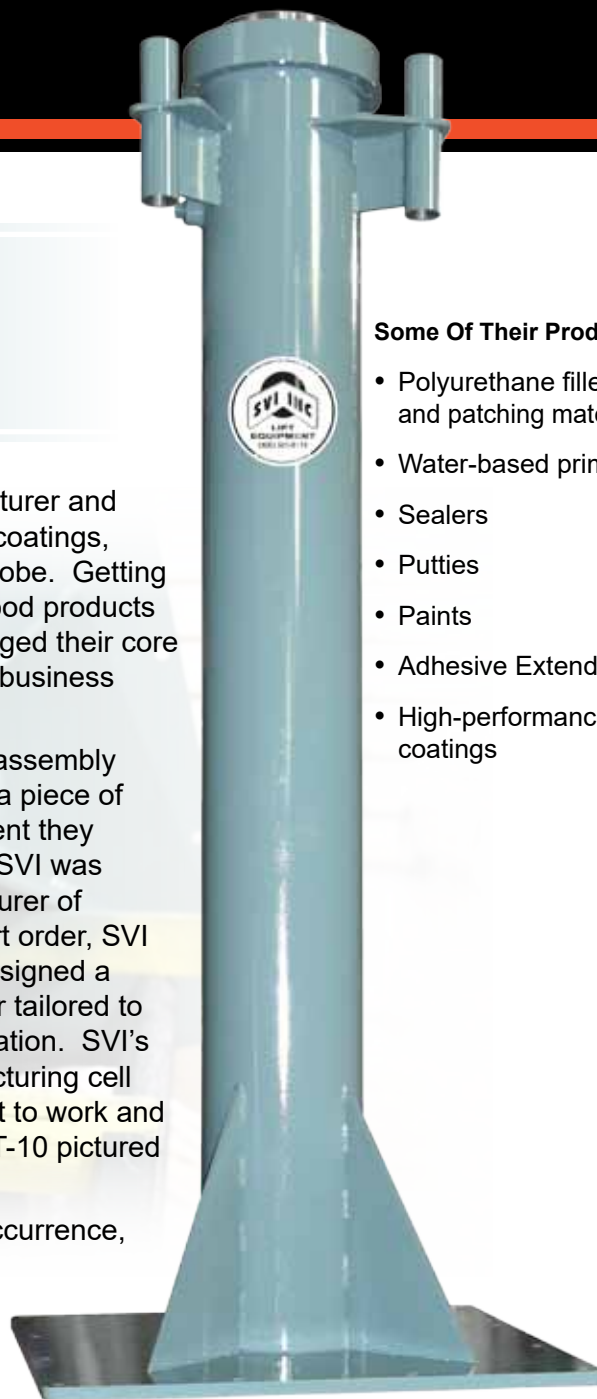
When a cylinder assembly was needed for a piece of mixing equipment they were building, SVI was their manufacturer of choice. In short order, SVI engineering designed a 10-5/8" cylinder tailored to suit their application. SVI's cylinder manufacturing cell then when straight to work and produced the WLMT-10 pictured to the right.

Jobs like this are a frequent occurrence, and the list of companies who rely on SVI for special application hydraulic cylinders, just keeps on growing.

For custom cylinders for any industry application,  
**SVI is the answer!**

### Some Of Their Products:

- Polyurethane fillers and patching materials
- Water-based primers
- Sealers
- Putties
- Paints
- Adhesive Extenders
- High-performance coatings



**SIMPSON**  
**Strong-Tie**

## Strong-Bolt® 2 for Seismic installs

Code-listed for cracked and uncracked concrete, and masonry applications, the Strong-Bolt 2 wedge-type expansion anchor is an optimal choice for high-performance, even in seismic and high-wind conditions. Dual undercutting embossments on each clip segment, enable secondary expansion should a crack form and intersect the anchor location; this feature significantly increases the ability of Strong-Bolt 2 to carry load if the hole expands.

Call SVI for part numbers and awesome pricing!  
-Order all your Simpson products from SVI.



BH-7075-58  
3/4" x 5-1/2"  
(Use the best!)



### Check out SVI's **facebook** page!

New products, and projects being worked on, will now be more frequently posted. SVI will be spreading the word about New and Exciting things, like new solutions for EV charging, and new arm extensions for rolling bridge jacks used on 4 post automotive lifts, are just a couple of examples.

Maybe SVI should do a post or two, or three, about all the specialty cylinders produced for industrial applications... Be on the lookout for more! Log in, hit the "Like" button, and check things out!

SVI is your answer.



**S**ERVICE • **V**ALUE • **I**NNOVATION  
OLUTIONS • VISION • IDEAS

**Call today:  
800-321-8173**

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