New SCHWEISS
HYDRAULIC or BIFOLD DOORS

AG DOORS • SHOP DOORS • BARN DOORS • AVIATION • COMMERCIAL • DESIGNER

“One-Piece” HYDRAULIC DOORS
Provides Extra Shade
Lose No Headroom

Lift-Strip BIFOLD DOORS
Saves Parking Space Outside

SCHWEISS DOORS
507-426-8273

GONE ARE THE DAYS OF OUTDATED CABLE LIFT DOORS

STRAP BIFOLD DOOR
Fast Moving

BIFOLD DOORS

LIFT STRAPS ARE BETTER THAN OUTDATED CABLES
Some manufacturers still continue to try and sell outdated cable lift bifold doors - cable doors that not only require frequent maintenance due to fraying, breaking and overwrapping, but which also open much slower, are hard to adjust, are not as safe as straps, and are noisier than liftstrap doors.

EVERYBODY WANTS THE DOOR WITH THE LIFT STRAPS

Here’s what some customers are saying about their strap bifold doors

“The liftstraps work good and lift faster - the cables were so slow, the door works great now.”

“I’m thrilled with liftstraps, they’re great, and they open my door 10 times faster than before. I absolutely will recommend them to everyone.”

“The decision to get liftstraps on my bifold door was more of a safety issue for me.”

“I can’t say enough about your liftstraps, I wish I’d done it originally.”

“A lot of guys are coming to look at our door. I’m sure you’ll be selling more Lift Straps, we like ‘em!”

“Straps are the only way to fly - no noise, no creeps, no crunches. Cables wear out.”

“Cables were breaking on our big hangar door and we knew the lift straps were a better system.”

“Our door with liftstraps now works really well - a 100 times better than before. Our cables broke on us and that was a mess.”

“We converted to liftstraps for reliability and aesthetics.”
STRAP DOORS ARE...

- EASY TO INSTALL
- FASTER
- LONGER LASTING
- SAFER
- QUIETER

CUSTOMER’S WORDS:
“I am in the process of bidding a hangar and need a bifold door quote, 32” clear length. The bid package states that only liftstraps, not cables are approved. Please send specs and cost. Thank you.”
IT USED TO BE THAT CABLES WERE YOUR ONLY OPTION BUT NOW...

CABLE DOORS ARE OUTDATED

HERE ARE SOME REASONS WHY...

- Cables are slower!
- Cables fray!
- Cables Break!
- Cables overwrap
- Cables require more maintenance!
- Cables are hard to adjust!
- Cables are Noisier!
- Cables require cable clamps... no good!

SOME MANUFACTURERS ARE STILL TRYING TO SELL OUTDATED CABLE DOORS

Cables require more maintenance meaning more down time
Loose cables cause problems
Cables wear out faster and fray easily over time

Uneven cable wrapping causes problems
Cables wrap next to each other and cause wear
Cables tend to walk all over the lift drum and cause problems

Cables rated for only 7,200 lbs.

WHY WOULD ANYONE WANT A CABLE DOOR?
STRAPS ELIMINATE ALL THE CABLE PROBLEMS THAT BIFOLD CUSTOMERS HAVE LIVED WITH FOR YEARS.

What cable door customers are saying:
With cables, you have to deal with the cable clamps - proper tension on the cables is critical! Cable doors require more maintenance, have a shorter working life, are slower, wear out sooner and aren’t as safe as straps.
LIFT STRAPS ARE A BETTER SOLUTION

LIFT STRAP BIFOLD DOORS...
- Quieter
- Safer
- Faster
- Easy to install
- Last longer
- Easy to maintain

LIFT STRAPS ARE BETTER THAN OUTDATED CABLES
Some manufacturers still continue to try and sell outdated cable lift bifold doors - cable doors that not only require frequent maintenance due to fraying, breaking and overwrapping, but also open much slower, are hard to adjust, are not as safe as straps, and are noisier than liftstrap doors. Straps keep going and going and going.

OTHER CABLE DOOR MANUFACTURERS ARE FIGHTING BACK

BY ADDING NUMEROUS LIFT POINTS
The only reason a cable door manufacturer would add more cable lifts to a door is because cables are not as strong as lift straps. More cable lifts means more maintenance, more expense - why fight the outdated cable concept and costs involved! Using more cables may translate to less load per cable, but who wants more cables if cables are already known to cause headaches and loss of time to replace (they are known to break when you least want them to, for example during harvest, in 20-degree weather, etc.)

BY OFFSETTING THE CABLES AS THEY WRAP UP ON THE LIFT DRUM
Offsetting the cables during lifting of a bifold is a great concept, until your cables don’t have the proper tension. Then you end up with messed up cables again! Unlike straps that wrap on top of each other. Tension is never an issue with lift straps nor do they get messed up. Straps are a perfect design... trouble free. Using lift straps saves you from all those headaches.

STRAPS ARE A BETTER DESIGN THAT SOLVES ALL THE OUTDATED CABLE DOOR ISSUES
Schweiss Lifts straps have proved to be by far superior method of lifting any bifold door. Lift straps wrap on top of themselves by design. No worry with overlapping issues or with cables rubbing against each other. Furthermore, everyone knows that cables are not even close to being as quiet as liftstraps. Can you imagine the noise that 10 or even 50 cables must make?
NEW STRAP LATCH - STYLE 1

THE SIMPLICITY OF THE NEW LATCH STRAP IS TRULY AMAZING!

Straps do the lifting and now straps do the latching! Schweiss did away with all the cables, chains, sprockets and pulleys; and it now has 90 percent less moving parts. This is a real game changer in the bifold door world! It doesn’t get any better than an all-strap door.

Everybody wants the Strap Latches AND REMOTE CONTROLS!

“Now straps do the latching”

BIFOLD DOORS KEEP GETTING BETTER!

NEW STRAP CLEARANCE DETAIL

The strap latch protrudes into the door’s clear opening

“Allow for the straps”

Strap Latch Clear Opening

8 1/2”

Half of Clear Height
ADVANTAGES OF THE AUTOMATIC STRAP LATCHES

This is what every door owner wants and needs. Unlike other latch mechanisms, the new design will firmly hold the door against your building in all positions; securing the door when open/partially open and will firmly lock the door when closed. It will offer added protection from wind gusts while the door is in any position during operation.

SCHWEISS IS THE ONLY MANUFACTURER OFFERING AN ALL STRAP DOOR

SCHWEISS “ALL STRAP” BIFOLD DOOR - NO CABLES USED AT ALL

THE STRAPS DO ALL THE LATCHING

- Straps secure the door in the open position
- Straps secure the door in the closed position
- Adds protection from wind gusts while in operation
- Latch Straps are rated for 29,000 pounds

"THE CONCEPT IS SO SIMPLE… I CAN'T BELIEVE WE HAVEN'T THOUGHT OF THIS BEFORE! "
#1. Schweiss has figured out and designed a way to modify any bifold that’s ever been manufactured. Retrofitting an existing cable door over to the Schweiss design "Lift Straps" on other brand bifold doors, no matter the make or model.

#2. Schweiss has brought relief to customers with the old vintage cable bifold doors. Finally the customers with cables can be at ease. They’re able to do away with the antiquated cable lift design and retrofit any style or brand bifold door over to the latest and greatest Schweiss "Lift Straps."

#3. The strap advantage is huge. Straps are longer lasting, never rust, never tangle, are flexible, open a door faster and are 100 percent quieter than steel-on-steel cables. With lift straps, door owners get a ‘soft start’ and ‘soft stop’, adding to the life of the bifold door. Schweiss stands behind the "New Lift Straps" by carrying a 10-year warranty and straps outlast cables well over three times.

Best Testimonial Ever

Schweiss has received thousands of calls from owners of existing out dated cable bifold doors wanting to retrofit their outdated cable lift system with the Schweiss “Lift-Straps system.”

EVERYONE’S FED UP WITH CABLE DOORS

Cables are the old way. Everyone knows cables have a tendency to fray over time. Frayed cables can break and doors can come crashing down on aircraft, machinery or even people. Cables require more servicing, are hard to work with and difficult to replace. Replacing cables with more cables is a timely and costly expense and can be a real safety issue if the cables are not kept in good condition.

QUESTIONS CABLE BIFOLD DOOR OWNERS ARE ASKING

- “It’s not your bifold door. Can I buy just the ‘Lift Straps’ and convert my door over to the straps?”
- “Can you convert my cable door over to straps?”
- “My door frame is good but I’m tired of changing out cables every couple of months!”
- “Will your straps work on my door, its another Brand?”
- “I was at the neighbors hangar and saw how smooth and fast a Schweiss Door operates. Can you help me?”
- “My door is not that old but I hate my outdated cables. Can you convert my door to straps and autoclatches?”
- “I see your strap doors are much faster than my outdated cable door. What’s it gonna cost me?”
- “I was trying to save money by going with cables. Boy, what a mistake!”

WHAT SATISFIED STRAP CONVERSION CUSTOMERS ARE SAYING:

- “Why would anyone even consider outdated, slow cable doors today. I wish straps were available when I purchased mine!”
- “I still like bifold doors. Now with the straps and auto-latches they’re even better!”
- “Nobody will sell me another cable door!”
- “The Strap conversion made my door better than new!”
- “What a nice Improvement to an older door!”
- “Straps and auto latches, what a great improvement!”
- “You guys are good, thanks for the neat invention!”
- “Should have done the strap conversion years ago!”
- “If anyone asks, send’em my way and I’ll be your salesman. I love my door now!”
ONCE YOU TRY "LIFT STRAPS" YOU’LL NEVER GO BACK TO CABLES

Schweiss’s excellent success with the New Lift Straps has revolutionized the door industry. It’s a no-brainer. Why bother with cables? It becomes obvious when you understand why the new patented Lift Straps are the smarter way to raise and lower your bifold door. Smoother, safer, faster and quieter. Like a customer once said, “My strap bifold door is the envy of my fly-in community. I’m happy I bought the Schweiss Door!”

"LIFT STRAPS" TESTED AND PROVEN

For years, bifold doors have been lifted and lowered by the conventional means of steel cables. Schweiss Doors have been using the popular, long-lasting lift straps for over 20 years. Now 99 percent of our customers are demanding polyester lift straps for this function. Why? Because lift straps offer more lifting ability, won’t fray or overwrap! The strength-to-weight ratio on straps is extremely high. The 3-inch straps are rated at 29,000 lbs, where 1/4” cables are rated at only 7,200 lbs. In addition, the safety factor on straps has well over the standard 5:1 ratio.

P.S. Has anyone ever converted a strap door back to cables... I don’t think so!

MARKET SHAKING INVENTIONS... SCHWEISS LIFT STRAPS

The most obvious “market shaking” improvements for the Bifold Door is the addition of the patented lift-straps along with the new strap autolatch systems, two features not offered by any other door manufacturer. Schweiss Lift Straps have revolutionized the door world by opening and closing much more quickly, quietly and effortlessly. Not only are they safer, but they’re also easy to install and much longer lasting. It’s a win-win for the customer and strap doors are leading the market in the door world. Schweiss Patented Lift Straps!

Schweiss Doors of Fairfax, Minnesota, USA have been on the market for over 38 years. We manufacture two great styles of doors, the Schweiss Hydraulic Doors and the famous “Lift-Strap” Bifold Doors. What some people don’t know is that Schweiss Bifold Doors evolved with the times and many improvements have gone into them, creating a product that everyone is wanting! **BIFOLD DOORS KEEP GETTING BETTER AND BETTER!**
CUSTOMERS WANT TO KNOW WHICH DOOR IS BETTER?

BIFOLD

LIFT-STRAP BIFOLD DOOR ADVANTAGES

- Door folds in half and doesn’t hang out as far
- No need for subframe
"ONE-PIECE" HYDRAULIC DOOR ADVANTAGES

- Comes complete with its own self-supporting header and frame
- Extended work / shade area
PARKING COMPARISON
IN FRONT OF YOUR DOOR

DON’T PARK TOO CLOSE!
WITH HYDRAULIC

PARKING NOT A PROBLEM
WITH BIFOLD

DOOR TRAVEL COMPARISON

HYDRAULIC DOORS
- Hydraulic doors swing out when opening
- Requires a stay back area for parking
- More swing

BIFOLD DOORS
- Bifold doors lift up when opening
- Parking not an issue.
- Less swing
SCHWEISS THE DOOR LEADER

DOORS BIFOLD AND HYDRAULIC

PROVEN LIFT-STRAP BIFOLD DOORS ARE THE BEST

SCHWEISS ADVANTAGE

LIFT STRAP BIFOLD DOORS ARE BETTER

- Operate faster than cable lift doors
- Are safer than cable lift doors
- Run quieter than cable lift doors
- Outlast outdated cable lift doors
- Easier to install than cable lift doors
- Easier to maintain than cable lift doors

STAY AWAY FROM OUTDATED CABLE LIFT DOORS

CABLES WEAR OUT FASTER AND FRAY EASILY OVER TIME

It used to be that cables were your only option...

WHY WOULD ANYONE WANT AN OUTDATED CABLE LIFT DOOR WHEN STRAPS ARE FAR SUPERIOR?
LARGER CYLINDERS WITH SPHERICAL BEARINGS

“No one else in the industry offers this unique feature” only available on Schweiss Doors.

AN IMPORTANT PART OF THE DOOR! WE’LL TELL YOU WHY
DOORS ARE ALWAYS MOVING AND FLEXING

Hydraulic doors are large in size and just like an airplane wing, the doorframe flexes during operation. The hydraulic cylinders on each side of the doorway are connected to the doorframe and the building using spherical bearings. The spherical bearings accommodate the flexibility of the doorframe while at the same time allowing the cylinders to raise and lower the door without binding on the hydraulic cylinder pins and brackets. Spherical Bearings on both ends of the cylinder allow the cylinders to stay straight through the full range of motion.

Rod Stays Straight

Pins have even forces on them when the door is in any position

Lower teardrop plate is mounted to moving doorframe

“NO ONE ELSE IN THE INDUSTRY OFFERS THIS UNIQUE FEATURE”
THE SCHWEISS ADVANTAGE . . . BETTER DESIGN . . . SAFER DOOR
SCHWEISS HYDRAULIC ADVANTAGES

- Robust Hinge Design with Grease Zerks
- Stronger Door Frame with Double Push Tubes
- No Wood On Schweiss Doors
- Red or Green Power Hydraulic Pumps
- Bigger, Better Cylinders with Spherical Bearings

BACK-UP SYSTEMS

A - Drill Driven back-up to raise or lower the door
B - Tractor back-up fittings built-in
C - 12V Battery back-up with remote
D - Self-contained aux. pump and motor in tank!

Every doorframe has a self-supporting subframe. Fast and easy to install!
NEW, BETTER, STRONGER
HINGE DESIGN

“OUR NEW WRAP-AROUND HINGE DESIGN SETS THE NEW STANDARD FOR HYDRAULIC DOORS”

Schweiss doorframes are designed with triple push tubes that are tied directly into the wrap-around hinges that connect each vertical push tube directly to the header tube. The advantage of triple push tubes is that forces of hydraulic cylinders are evenly distributed to the doorframe and the wrap-around hinges.

“There have been hydraulic doors with hinge welds that failed, literally tearing off the dooiframe and destroying the door,” Schweiss says. “Our design team provided a more durable wrap-around hinge with grease zerks that are accessible without removing the top rubber seal.”

STRONGEST HINGES ON THE MARKET!
STRONGEST DOORFRAME ON THE MARKET!

WRAP AROUND HINGE DESIGN PROVIDES EXTRA SUPPORT

The door weight and hydraulic forces pull down on hinge when door is opening

WHAT DOOR CUSTOMERS ARE SAYING...

- “The hinges sold me.”
- “The Schweiss team hit a home run by putting grease zerks in their hinges.”
- “Now that’s a serious hinge, you guys have it figured out!”
- “Oh my, nothing comes close to your hinges. Professionally done!”
- “Nothing on the market that even comes close to the Schweiss hinge design.”
ONE-PIECE DOOR

- Double push tubes
- Faster opening speeds
- Quiet, smooth operation
- Bigger, better cylinders

More hinges... Stronger frame design... Better door

Clean look

Easy to install
CONVENIENCE AND SECURITY

Automatic Wind Pins are an important feature for any customer who wants the convenience of remote control operation. It is no longer necessary to manually retract the wind pins before operating the door.

ONLY FROM SCHWEISS
Schweiss Doors, always at the forefront of technology, figured out a better way to insulate your bifold or hydraulic door. Our new Schweiss Interlocking Insulated Panels can be installed quickly and are cost effective solutions for contractors and installers, leaving the end user with a well insulated door that has a super nice glossy white durable finish that will stand up to the elements.

- EASY TO INSTALL
- SAVES LABOR
- SAVE YOU MONEY
- LOOKS GREAT

YOU END UP WITH A CLEANER LOOKING DOOR

REMOTE CONTROLS AVAILABLE

These let you open/stop/close your Bifold Door from any vehicle. Automatically unlatches the door so it can be opened or closed with the handheld remote. Two handheld remote controls and remote external antennas are included with each door. Automatic controlled doors require special attention for safety. When using radio controls you must have an auto latching system or a lock safety switch to eliminate possible damage if the door is opened while in the locked position. Warning System alerts remote operators. All doors equipped with remotes should have a warning system to alert persons in the immediate area that the door is about to open or close.
FREE STANDING HEADERS

Wood Buildings

Free Standing Header

Steel Buildings

Free Standing Header

Above the Roof-Line

Free Standing Header

To Left Header Leg A

Floor Level
HYDRAULIC DOOR HEADER Provides Extra Support

PROVIDES ADDITIONAL BUILDING STRENGTH TO SUPPORT THE DOOR

Quonset Buildings

Free Standing Header
THERE IS NO NEED TO MAKE THE BUILDING TALLER...
Where you hang the door makes all the difference.
Schweiss makes both styles of doors so... THE CHOICE IS YOURS!

HYDRAULIC
BIFOLD

BOTH DOORS HAVE THE SAME CLEAR OPENING
ON THE SAME BUILDING ABOVE
NO NEED TO MAKE THE BUILDING TALLER

DOOR TRAVEL COMPARISON
• Hydraulic doors (red arc) swing out when opening
• Bifold doors (blue arc) lift up when opening

PARKING COMPARISON
• Requires a stay back area
• Parking not an issue

OPEN POSITION COMPARISON
BI-FOLD DOORS
Fold in half when open putting less stress on the building and create a slight slope allowing water to run off.

HYDRAULIC DOORS
Protrude straight out off the building at 90 degrees and lays flat when fully open
WOOD BUILDINGS - UNDERSTANDING HEADROOM

Mounting Options . . . Above or Under . . . Building Header/Rafter

- Schweiss Manufactures two styles of great doors, we would like to explain the mounting styles of both door styles.
- Each door style differs on how it mounts onto the building structure, how much above, how much below?

**BIFOLD DOORS**

- Mount "ABOVE" the building header

**HYDRAULIC DOORS**

- Mount "UNDER" the building header

90% of the Bifold doors sold get mounted above the header

80% of the Hydraulic doors sold get mounted under the header

90% of the Bifold doors sold get mounted above the header

90% of the Hydraulic doors sold get mounted under the header
San Sophia Hydraulic Hangar Door, SC

New Market, Ontario Glass Bifold Door

Martha's Vineyard Hydraulic Door

Cape Canaveral, Florida Strap Bifold Door

RV Garage Bifold Door, WA

YOU THINK IT . . . WE BUILD IT!
“One-Piece” HYDRAULIC DOOR

Lift Strap BIFOLD DOOR

SCHWEISS DOORS  507-426-8273