

Installation Manual



Patented, Collated, Stainless Steel, Hidden Fastener Decking System

Get Off Your Knees!!
Don't be left out in the cold on your hands and knees, wishing for a better way ... It's here!

Our fasteners are a true fastener, NO nails or screws which require an additional step or process to secure them. HIDfast is collated and pneumatically installed, not each piece one at a time by hand.

Making HIDfast™ the only fastener you'll ever need!

It's easy as:

- **EASIEST**
- **FASTEST**
- **INVISIBLE**
- **STRONG**
- **WON'T RUST**



A single package of 175 patented, collated, stainless steel fasteners will do 100 square feet of 6" decking when installed 16" on center.



The **HIDfast** Decking System was designed and built for Professional Deck Builders. This system should only be used by qualified and trained deck professionals, it should not be used by untrained do-it-yourselfers.

- WARNING:** All operators of this power tool should read and understand all tool labels, installation manuals, owner's manuals, and packaging information before connecting the tool to an air supply. It is the operator's responsibility to learn how to work with a power tool before connecting the power supply. If an operator is unsure or uncomfortable using a power tool, **STOP**, do not continue.
- DANGER:** Failure to operate or work with power tools responsibly can result in serious injuries to the operator, or anyone within the work area. Keep others out of the work area whenever possible. No horseplay. Operator and others nearby must wear **safety glasses, ear protection** and a **hard hat**. Use this tool for installing deck boards only, do not use the tool for anything other than standard decking materials.
- WARNING:** This tool has a safety trigger in the handle, this trigger must be depressed in order to lightly hammer strike the black rubber deflector cap, this deflector is the trigger to fire the tool.
- WARNING:** Doing this will trigger the tool to fire a fastener, do this only when the tool is on a work surface that is ready to be fastened.
AIR PRESSURE DRIVES THE FASTENER, NOT THE TRIGGER, NO HARD HITS NECESSARY.
- WARNING:** Failure to pull the safety trigger before striking the deflector could cause serious damage inside the tool.
- WARNING:** Never pull the trigger unless the tool is on a work surface that is ready to be fastened. Keep your hands and body away from the discharge area of the tool. Never point the tool at yourself or others.
- DANGER:** Do not use oxygen, combustible gases, or bottled gases as a power source for this tool as tool may explode, possibly causing serious injury.
- DANGER:** Do not use an air supply which can potentially exceed 200 psi.
- DANGER:** Do not use the tool near highly flammable, combustible, or explosive gases, vapors, fumes, fluids or any other highly flammable materials.
- WARNING:** Connect the tool to a clean regulated air supply with a coupling that removes all pressure from the tool when the coupling is disconnected.
- WARNING:** Always disconnect the air supply, before making adjustments, servicing the tool, clearing a jam, when tool is not in use, or when moving to a different work area. Never use a tool that is leaking air, has missing or damaged parts. Always make sure all screws and caps are tight. Do not use the tool if the trigger is inoperable, broken or missing, do not alter the tool, or safeties in any way.



Before installing any decking boards, check all decking manufacturer requirements, spacing between board width and length, if you are using wood decking, it may need to have a sealer coat on all surfaces and ends before installing. 304 stainless steel fasteners are not covered by any warranty for coastal, or ocean projects.

Adjust the foot plate to the decking thickness. If you are using a grooved deck board you may want to purchase our optional, adjustable **Joist Attachment**. See **Factory pre-grooved decking** for more information.



Loading fasteners

Pull back on pusher until it locks at the end of the magazine, away from the driver. Load fasteners into the top of the magazine (2 clips of 25pcs) then release the pusher from the end of the magazine by pulling back and pinching the two raised tabs on the pusher.

Oil the tool each day before connecting air supply, and again after every 1000 shots (3 to 5 drops).

WARNING!

Tool **must** be on a work surface when connecting the air supply, **Do not hold**.

Always check the strike fire trigger cap to see that it is in the up position before connecting air supply. Do not point the tool at yourself, anyone else, or anything of value when air supply is connected. Make sure that there are no people, or valuables under the deck that you are working on.

Always check air pressure before connecting air supply to the tool, tool has a max operating pressure of 120 psi.

Place your first decking board against the house and install screws in the edge closest to the house. Place a screw at every joist.

Make sure your first board is perfectly straight when fastening.



Place the tool against the edge of the decking that is away from the house wall. Make certain that the foot plate of the tool is setting flat on the decking surface. Step on the plate to hold the tool in proper position. Depress the handle safety trigger and **lightly** strike the rubber deflector cap. Install a fastener at every joist along the decking edge.

Always fasten from one side to the other. You can set a joist pin down on either side of the joist. This pin acts as a stop against the joist.



Just slide it to the side and contact the joist.

To move the pin up or down you will need to turn the pin sideways, and the pull up or push it down, then turn it to lock.

Only when the tool is in the proper position and ready to fasten decking material do you touch the trigger cap.

Do not fire the tool more than once in the same location,

Always start with a low air pressure setting and work the psi up until you get the proper set of the fastener. This will save on air consumption when you use only the

minimum needed.

Use only the dead-blow mallet supplied with tool to actuate the trigger cap. Strike the cap with a medium force to start with. This will show that your psi is set properly. Then you may lessen the force until it is just enough to drive the fastener correctly.



If the fastener is set correctly the vertical spacer portion of the fastener will be slightly touching the edge of decking when driven.

If a fastener is not set in enough, you can place a nail set on the drive head of the fastener and strike with a hammer until the correct set is reached.



When all fasteners are driven into the lead edge of decking, the spacer and short points of the fastener will be facing the back edge of the next board to be installed.

There are a few options when installing a square edge board onto the short points.

Drive on

Start from one end again. Line up the next board to drive on, and push the board against the short points. Now place your feet on the board that is to be installed.



Your feet should be at the first two points at the starting edge. Now with the supplied mallet, strike the leading edge of decking board squarely on the edge to drive the decking on to the first two points only. Then move your feet to the next two points, and strike the edge of decking, always hit back towards the starting point, never strike decking at, or ahead of your feet. Your feet must always be ahead of your mallet strike. Only at the start and end points do you strike the decking edge at your feet. Repeat until the deck is complete. The speed in which you drive the decking is up to you.

Line up, mark and drill

This method is used when the decking material may be hard to drive onto the short points.

Start from one end again. Line up the next board to install. Push the board against the short points.

While standing on the board that is to be installed, lean over and mark the short point locations, always mark the points that are close to your feet. Work from one end to the other. Once all points are located you can drill them to your desired depth. If you want a larger gap between decking boards you can drill a shallow pilot hole. Drill diameter should be around seven sixty-fourths. Always drill holes slightly higher in the edge of the decking, this will push the decking down tight to the joist, when the decking is pushed onto short points. When the decking is set onto the short points, you can now drive fasteners into the lead edge of decking with your HIDfast Decker. Install one fastener at each joist.

Line up, mark and cut slots or grooves

This method is also used when the decking material may be hard to drive onto the short points.

Use the same instructions as above. Cut a slot instead of drilling a hole. Cutting slots will give you some end to end adjustment for positioning decking before installing fasteners in the leading edge.



Factory pre-grooved decking

You should purchase our adjustable joist attachment when installing this type of decking material. This attachment will allow you to adjust to almost any groove height, in a fine increment. This attachment will bolt onto the lower housing of the tool. Use the tapped holes in the outer lobes. See the instructions that come with the attachment for mounting and adjusting. You must drive the fastener so that it sets at the proper height for the on coming back groove of the next deck board. When the fastener is set correctly you will have to push the next deck board groove under the short points of the fasteners. This should take reasonable force. This will keep the decking tight to the joist. Always make sure that the short points are pushing down on the groove when pushing boards on.

For angled decking installations, butt joints and deck board replacements, please visit our website for all Video instructions. www.hidfast.com

Framing tips & other

Always use the straightest joist possible. Use lumber with square edge, no edges missing.



Frame with your carrying beam under your joist instead of at the end of joist. Beam at the end will require stainless steel joist hangers at every joist, and this is a slower method. Placing your beam under will allow you to set your joist on top and overhang the joist. You can install decking from the house out. When you reach the end of the joist, measure so that you will finish with a full piece of decking. Cut joist ends to length, add your rim joist, and the last piece of decking.

Always place a brace to hold your deck frame square until all decking is installed. Then you can remove it.

Install bridging on long joist spans.

Use a chalk-line to set your first decking board straight.

Use a stainless steel trim head screw to start at the house wall, or at any fixed obstruction in, or at the deck.

Check gap between boards for consistency.

Check every few boards to ensure that decking is always straight, open or close gap to regain straightness.

Make certain that the decking is always tight to the joist.

When ever possible cut your first board to the length needed, and then let the remaining boards run long so that you may snap a chalk-line and cut all ends at once.

Always work from small tight areas into larger open area.

If you use a decking board with a bow or crook always start with one end in, and let the other end hook out. You can work the other end in as you go. Never install with the two ends in and the bow out in the middle. You will not be able to pull the middle in.



Always check with decking manufacturer for proper gapping of deck board ends. Composites and other plastics will move with the change in temperature. The longer the piece, the more it will expand and contract.

Wood decking will expand and contract due to moisture, always check manufacturer's requirements.

Tool tips

Oil the tool daily.

WARNING!

Never point the tool at anyone, or at anything other than a surface to be fastened. Stay away from the trigger cap when the air supply is connected. Do not bump it. Do not leave the tool unattended with the air connected. There should be no people or valuables under a deck that you are working on.

WARNING!

Read Operating Instructions

Always become familiar with all the instructions and warnings before operating any power tool.

Always wear approved eye protection

Impact resistant eye protection should meet or exceed the standards as set forth in the United States ANSI Z87.1.

Safety Instructions

The instructions are furnished as general guidelines for use of your pneumatic tool. When operating pneumatic tools it is of the utmost importance to think safety first. Disconnect tools from the air supply when changing accessories or when the tool is not in use. Use eye protection. Putting a few drops of air tool oil in the tool and running for a few seconds at the end of a day will help protect internal parts. Follow all operating instructions and operate tool in accordance with the ANSI B186.1 safe operating code.

Tool Application and Usage

Portable tools shall be used only for the purposes intended in their design and within the capacity for which they were intended and rated. It shall be the tool owner's and/or employer's responsibility to instruct each operator in the safe use of the tool.

Tool Maintenance

It shall be the tool owner's and/or employer's responsibility to assure that tools are maintained in a safe operation condition. Tool maintenance and repair shall be performed by authorized, trained, competent personnel.



**Quick reference for psi settings needed in different material,
in some cases more or less may be required.**

Cedar	Mahogany	Composite	Ipe-grooved only
Redwood	PVC	Grooved only	(80 to 100)
Cypress	(70 to 90)	(70 to 100)	
Fir			
(50 to 70)			

Trouble shooting,

Fastener not driven in	1 raise the psi,	2 decking is too hard, use grooved decking
Fastener is set to deep,	lower psi	
Fastener is to high,	adjust the foot plate up, or joist attachment down.	
Fastener to low,	adjust the foot plate down, or joist attachment up.	
Decking not flat,	not standing on, or not driving decking on properly, see instructions, and website.	
Fastener dose not fire,	check magazine for blockage, check clips for flatness, dose pusher have spring pressure, can't find problem call for service.	