

ABOUT OUR COMPANY



Since 2000, the Ipe Clip® Fastener Company (Now known as DeckWise®) has manufactured state-of-the-art deck fasteners in the US for exotic hardwoods and composite decking.

With a proven track record of high customer satisfaction, every item we sell is comprised of high-grade long-lasting materials and expertly engineered to withstand the elements and corrosion better than other products on the market.

When installed, all Ipe Clip® hidden deck fasteners help to eliminate many common decking problems and are up to 3X stronger than other brands on the market. By offering products like the Hardwood Wrench™, Ipe Oil®, Ipe Seal®, and other essential decking tools and accessories, we've got you covered.

From the time our company was founded, every year has brought extensive growth. With every innovative product that we bring to the market, we continue to expand our worldwide network of dealers and distributors whose main goal is to provide their customers with the best decking tools and accessories.

Company History

2000 - With most hardwood deck fasteners on the market at the time being met with poor reviews and customer complaints, the need for a quality deck fastener was apparent. The first Ipe Clip® hidden deck fastener is developed and tested to show that a deck fastener/clip could withstand the harshest of applications, most dense wood and climate changes.

2001 - The soon-to-be Ipe Clip Fastener Co, LLC, applied for their first of many patents with the United States Patent and Trademark Office.

2002 - The Ipe Clip® Fastener Company is born and has its first sales with astounding reviews. Finally, the hardwood market has a hidden deck fastener that can deliver on its promise of quality, strength, and longevity.

2003 - Sales grow dramatically as deck builders and DIY homeowners rave about the easy installation and superior hold-down strength of the Ipe Clip® hidden deck fastener.

2004 - Ipe Clip® expands its distribution network and grows to become a worldwide brand. International distributors start to inquire about carrying and promoting the product. While Ipe Clip® deck fasteners are quickly becoming the top choice of contractors and home owners alike; the desire to improve and expand the product line still exists. Development and testing begins for air-dried hardwood deck fasteners; the Ipe Clip® Extreme™.

2005 - The Ipe Clip® Extreme® is released and the feedback is nothing short of amazing. The polymer molded fasteners now have a stainless steel insert adding up to 3X the strength over other brands. The general consensus from deck building experts is, that, the Ipe Clip® Fastener Company delivered what every deck builder dreamed about. It's as close to a perfect fastener as anyone could achieve. Astonishing increases in sales promptly followed.

2006 - Ipe Clip® ExtremeKD® was developed and released to help fill the need to properly fasten kiln-dried hardwood lumber. This fastener also solved the problems many contractors faced with composite decking, especially with ¼" gap spacing and the "mushrooming" effect caused by face screwing. The Extreme® family of fasteners has surpassed even the hopes and projections of the Ipe Clip® Fastener Company; they have already become much more popular than the Standard Ipe Clip® fastener that was released just six years ago.

2007 - In an effort to keep up with demand, the Ipe Clip® Fastener Company expands to a larger facility in South Carolina. Their new warehouse is over 10 times larger than the previous one, which signifies a major growth spurt for such a young company.

2008 - Product research and development begins on new deck tools and accessories which will pave the way for what is expected to be a booming 2009.

2009 - It would appear that all the research done in 2008 had really paid off; three new products are unveiled to the decking industry. First, the Hardwood Wrench™ steals the spotlight at the International Builders Show. Builders, contractors, and engineers all rave at the clip design and power of this new board straightening tool. Ipe Oil® hardwood deck finish is the next product to be released. Its ability to soak into hardwoods such as Ipe makes it an easy choice for deck builders and DIY home owners when it came to protecting their decks. Finally, with Extreme Plugs®, countersinking screws is easier than ever. Tolerance absorbing rings cut into the plugs were an industry first and solved a major problem that most builders had when it came to traditional wood plugs. It came as no surprise to anyone, that, the folks at the Ipe Clip® Fastener Company were continuing to introduce innovative solutions and products to the marketplace.

2010 - Ipe Clip® Extreme4® is officially introduced into the market as the best hidden deck fastener. It is designed to work perfectly with air-dried decking, kiln-dried hardwoods, and both composite and PVC decking materials. This fastener not only works well with most decking materials - which is by far its most appealing characteristic - but when it's added to the already well known Extreme® family of fasteners, builders finally have a choice between which fastener to use and what gap spacing they desire.

2011 - Spurred by continued growth, The Ipe Clip® Fastener Co, LLC moves to a new 75,000 s.f. facility in Bradenton Florida. New machinery is purchased for manufacturing more fasteners, more wrenches and now the steel inserts are coated with black oxide to assist with hiding the fastener screw heads in between gaps. More new products are unleashed such as the introduction of the Deck Tile Connector System and the new Drill & Drive™ 3-in-1 interchangeable drill bit and drive head for faster fastener installations. Deck board gap spacers and hidden hardwood siding fasteners soon followed.

2012 - The Ipe Clip® Fastener Co., LLC, changes its name to better service the decking industry with a packed portfolio of products. Branded in the US as DeckWise®, and internationally as DeckWise® B.V., an entire new corporate ID was hatched through many new marketing efforts including the new website at www.DeckWise.com. Under the mantra "Smart Solutions For Tough Decks," we strive to be a one-stop-shop around the globe.

2013 - DeckWise® continues to be innovative in the decking industry always exploring new ways to make stronger, longer-lasting decks. This year the addition of new decking screw lines thrust the company further ahead as a leader.

2014 - The reason why we have enjoyed such success is because of the great partnerships we have created by our network of distributors. 2014 ushers in more new product ideas and concepts that will surely beam brightly in the years to come. By creating the most innovative decking products on the market today, and by ensuring that our distributors have access to these products in a fast and efficient manner, DeckWise® is here to stay... and grow.

2015 - We just keep on growing! This year we expanded our 75,000 sq.ft. warehouse to house numerous new products. We saw an increase in the use of metal joists for framing. We stepped up and now offer a self-tapping deck screw designed to easily penetrate metal deck framing. We also noticed the lack of an all-in-one hardwood restoration kit on the market. So we made one! Our Hardwood Restoration-Maintenance Kit provides home owners every tool and product they need to restore and protect their exotic hardwood deck, outdoor furniture, hardwood siding and basically any type of hardwood application.

2016 - Continuously looking to improve efficiency, this year we added a few more tools we felt no deck builder should be without. Want to groove lumber onsite? Now installers can with the DeckWise® 4-wing carbide tip router bit. It can be used with either a handheld or table router. Another addition is the handy Premium Hardwood Plug Cutter. Attach to a drill press or cordless drill and instantly cut those last few hardwood plugs on the job site.

2017 - Our engineers have been working hard these last few years researching, developing and perfecting a pedestal system for hardwood deck tiles. The result is the Altitudes Pedestal® System which was unveiled at the IBS Show in Orlando, Florida this year. Now, underutilized sloped roof tops, plazas and bare concrete patios can be transformed into beautifully level outdoor living spaces with exotic hardwood deck tiles.

Always out-doing ourselves we are also offering stainless steel cable railing kits which also made their debut this year in Orlando. Ready-to-Install WiseRail® decking cable rail kits are packaged in pre-measured 5 ft. to 50 ft. lengths and include all stainless steel fittings. As we continue to grow, DeckWise® continues to be a front runner in the deck building industry.

American Quality. American Made. American Pride.™

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MANUFACTURING

DECKING SOLUTIONS...Revolutionizing the deck building industry.

Having an in-house team of engineers, designers, machinists, mold makers, and experts at our state-of-the-art manufacturing facility in Bradenton, FL, gives us a leading edge in creating and designing the best deck building products on the market. We continue testing and improving every product we put our name on.

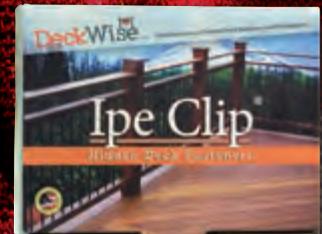
If it says DeckWise® — you know you are using the best there is.

CUSTOM CO-BRANDING

Programs available for dealers & distributors on select DeckWise® decking products.

Call **866-427-2547** for complete details.

YOUR COMPANY HERE!



DeckWise.com

Advantages of Using the DeckWise® Extreme® Family of Deck Fasteners.

Use With Exotic Hardwoods, Thermally Modified Woods & Composite Decking.

Ipe Clip®

Hidden Deck Fasteners

Manufactured By DeckWise®

GAP SPACING

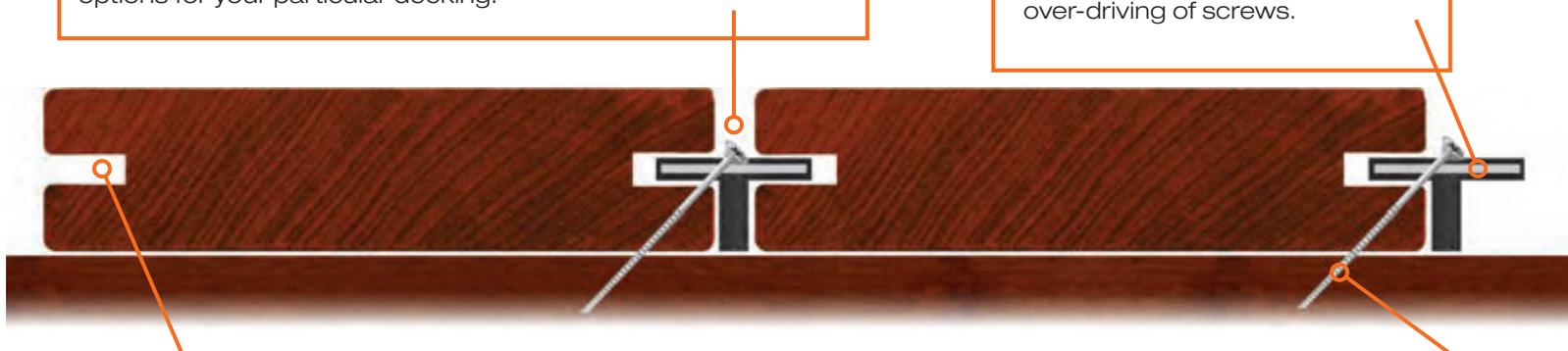
Our line of deck fasteners offer a vast array of gap spacing options. Whether installing air or kiln dried hardwood, thermally modified softwood, composite or PVC decking, we have the appropriate fastener with at least three different gap spacing options for your particular decking.

STAINLESS STEEL INSERT

Stainless Steel Insert



Corrosion resistant, black oxide stainless steel insert increases hold down strength and eases installation by helping to prevent over-driving of screws.



POSITIONING DECKING GROOVES

Symmetrical groove profile allow boards to be reversed and/or flipped to put the best side up.



CUTTING DECKING GROOVES

Many lumber yards now offer pregrooved materials in stock.

OR

Cut the groove yourself using a standard biscuit joiner or router with a 5/32" slot cutter.



SCREWS DRIVEN AT A 45° ANGLE

Ability to run screws at a 45 degree angle through hardwoods greatly increases hold-down strength. Studies have proven that screws have more holding strength when installed at an angle. This method also maintains even gap spacing while properly allowing boards to expand and contract with the seasons.

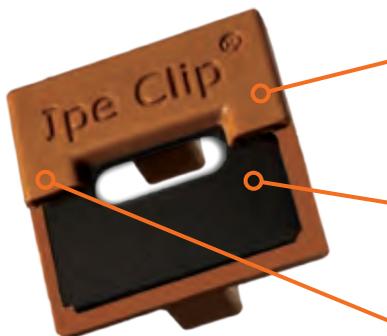
EXTREME® Ipe Clip® Series - U.S. Patent Numbers 8,464,488 and 8,806,829. Original, "round", STANDARD Ipe Clip® - U.S. Patent No. D470,039.

WHY A PLASTIC COATING OVER A STEEL INSERT?

Unlike most all-metal hidden deck fasteners — which, can react with wood causing staining — the Ipe Clip® Hidden Deck Fastener is molded of a malleable plastic polymer resin coating (further adding UV & chemical resistant qualities), allowing for the natural expansion/contraction of wood decking.

Our rigid stainless steel insert firmly holds decking to joists (up to 3X more hold-down strength than other edge-mount deck fasteners), eliminating decking screws from pulling through as the deck material expands.

Designed for exotic hardwoods, the color of the plastic resin also works to further camouflage and conceal our fasteners between the board gaps for a more sleek, upscale surface.



Ipe Clip®

Hidden Deck Fasteners

Manufactured By DeckWise®

3/32" Gap Spacing (2,4mm)

Ipe Clip® Extreme® Fastener Features Quick Guide:



Automatic Gap Spacing



Black Oxide Stainless Steel Insert Molded Inside

Short leg height = .250" (6,35mm)

Tall leg height = .375" (9,5mm)

Available in our 3 signature colors to match decking.



Air-Dried Lumber & Composites

EXTREME®

Provides maximum holding strength in extreme hot or cold, humid or dry climates.

5/32" Gap Spacing (4mm)

Ipe Clip® Extreme4® Fastener Features Quick Guide:



Collapsible Legs Automatic Gap Spacing



Black Oxide Stainless Steel Insert Molded Inside



Gap Spacer Required During Installation

Short leg height = .250" (6,35mm) ONLY

Available in our 3 signature colors to match decking.



Air-Dried Lumber, Kiln-Dried Lumber, & Composites

EXTREME4®

To simplify the deck installation process the Extreme4® fastener can be used to fasten almost any decking board.

1/4" Gap Spacing (6,4mm)

Ipe Clip® ExtremeKD® Fastener Features Quick Guide:



Collapsible Legs Automatic Gap Spacing



Black Oxide Stainless Steel Insert Molded Inside



Gap Spacer Required During Installation

Short leg height = .250" (6,35mm) ONLY

Available in our 3 signature colors to match decking.



Kiln-Dried Lumber, Composites & PVC

EXTREMEKD®

Hollow leg is ideal for expansion of kiln dried decking materials. The 1/4" Leg spacer accommodates composite decking requirements.

3/32" Gap Spacing (2,4mm)

Ipe Clip® Standard Fastener Features Quick Guide:



Automatic Gap Spacing



Round Shape

Short leg height = .250" (6,35mm)

Tall leg height = .375" (9,5mm)

Available in our 3 signature colors to match decking.



Economical Alternative

STANDARD

Fiberglass reinforced polyethylene for a stronger, all-plastic fastener.

Manufactured By DeckWise®

Use With Exotic Hardwoods, Thermally Modified Woods & Composite Decking.



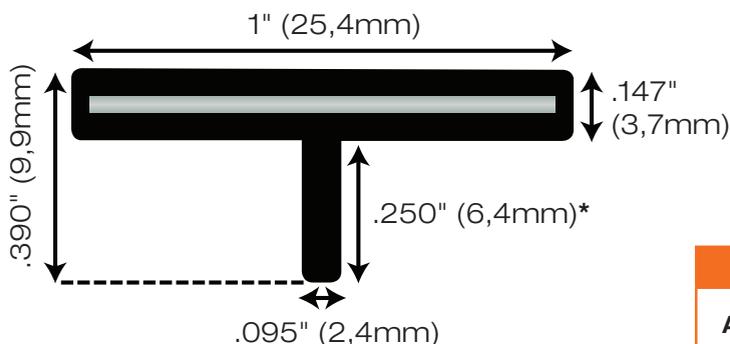
Hardened stainless steel insert with a black oxide coating inside rigid UV and chemical-resistant polypropylene.

Smaller leg maintains a perfect gap when materials contract due to environmental conditions.

Features:

- Automatically spaces deck boards at 3/32" (2,4mm)
- Manufactured from polypropylene with stainless steel; black oxide insert
- For use with air dried hardwood, composite, or PVC decking
- Allows for contraction of width of air dried hardwoods
- Allows movement of length with composite/PVC decking
- Unique design allows for more tolerance in grooved side profile while increasing hold-down area
- UV resistant
- Limited Lifetime Warranty

Fastener Dimensions



*Short version shown above
Tall version = .375" (9,5 mm)

CLIP CONSTRUCTION

| Material | Stainless Steel Insert | Available Colors |
|------------------------------|-----------------------------------|------------------|
| Polypropylene/ Fiberglass | .883" x .883" Thickness: .036" | |

DECKING COMPATIBILITY

| Air-Dried Decking | Kiln-Dried Decking | Composite/ PVC Decking |
|-------------------|--------------------|---------------------------|
| ✓ | ✗ | ✓ |

Allows Contraction on the Width of Air-Dried Lumber



The method of 45 degree screws hold the decking tight to the joist, while allowing one side of the deck board to remain free to contract and expand.

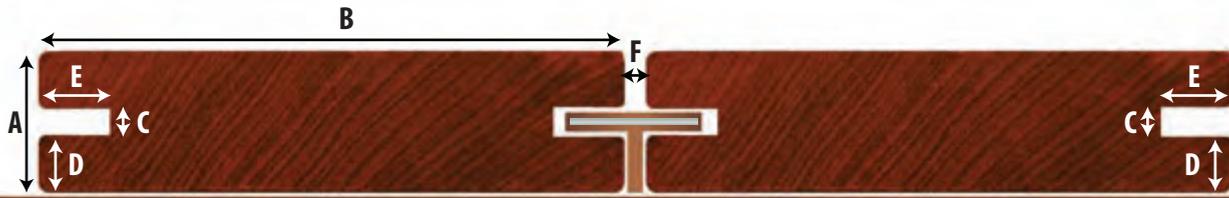
Allows Expansion/Contraction Along the Length of Composite/PVC Decking



Running screws straight down with composite/PVC decking allows these materials to naturally move on their length.



DeckWise® Extreme® Installation Specifications



| BOARD DIMENSIONS | | GROOVE DIMENSIONS | | | BOARD SPACING |
|----------------------------------|-----------------------------------|-------------------|--------------------|----------------|-----------------------|
| Board Thickness | Board Width | Thickness of Cut | Cutting Height | Cutting Depth | During Installation |
| A* = Measurement Of Your Decking | B** = Measurement Of Your Decking | C = 5/32"(4mm) | D*** = (A-5/32")/2 | E = 1/2"(13mm) | F**** = 3/32" (2,4mm) |

* If using 1-1/2" or thicker material, you may need to upgrade to a longer screw option than what is typically packaged with the fastening kit.

** For decking 8" or wider, the (A) dimension should be at least 1-1/2". Using a wide plank such as this for surface decking will most likely cause cupping issues regardless of how the material is fastened if thicker material is not used.

*** This formula will create a symmetrical profile that allows you to flip and/or rotate the decking to be able to put the best side up.

**** Fastener automatically achieves correct gap spacing when boards are pushed tight during installation.

- COMPLETE KIT CONTAINS**
- (175) IPE CLIP® Extreme® Hidden Deck Fasteners
 - (190) #8x2" Colormatch Black Stainless Steel Star Drive Screws
 - (12) 3/8" Tapered Ipe Plugs
 - (1) 1/8" High Speed Drill Bit
 - (1) T15 Star Drive Tip
 - (1) Instruction Sheet

- 100 CT. KIT CONTAINS**
- (100) IPE CLIP® Extreme® Hidden Deck Fasteners
 - (100) #8x2" Colormatch Black Stainless Steel Star Drive Screws
 - (1) Instruction Sheet



| 2 GAL. CONTRACTOR BUCKET | 5 GAL. CONTRACTOR BUCKET |
|--|---|
| (525) IPE CLIP® Extreme® Hidden Deck Fasteners | (1050) IPE CLIP® Extreme® Hidden Deck Fasteners |
| (565) Stainless Steel Deck Screws | (1130) Stainless Steel Deck Screws |
| (3) T15 Star Drive Tips | (5) T15 Star Drive Tips |
| (3) 1/8" High Speed Drill Bits | (5) 1/8" High Speed Drill Bits |
| (1) Instruction Sheet | (1) Instruction Sheet |



Manufactured By DeckWise®

Use With Exotic Hardwoods, Thermally Modified Woods & Composite Decking.



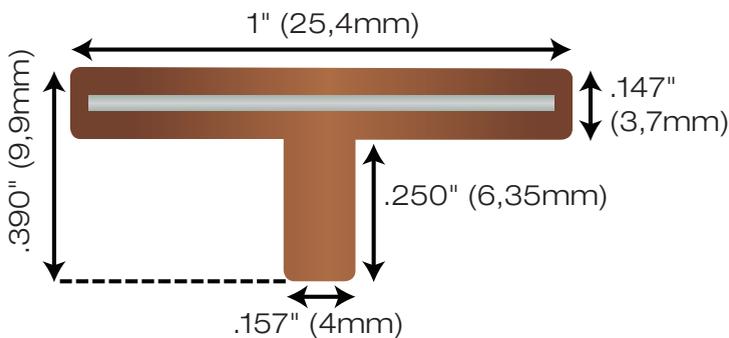
Hardened stainless steel insert with a black oxide coating inside UV and chemical-resistant polyethylene.

Versatile leg is compatible with most decking materials.

Features:

- Automatically spaces deck boards at 5/32" (4mm)
- Manufactured from polyethylene with stainless steel; black oxide insert
- For use with air/kiln dried hardwood, composite, or PVC decking
- Allows for contraction of width of air dried hardwoods
- Allows for expansion of width of kiln dried hardwoods
- Allows movement of length with composite/PVC decking
- Unique design allows for more tolerance in grooved side profile while increasing hold-down area
- UV resistant
- Limited Lifetime Warranty

Fastener Dimensions



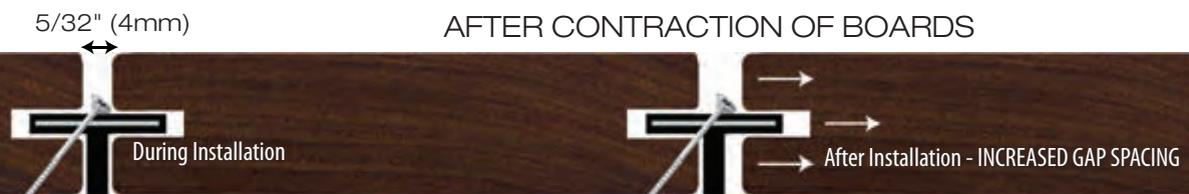
CLIP CONSTRUCTION

| Material | Stainless Steel Insert | Available Colors |
|------------------------------|-----------------------------------|------------------|
| Polypropylene/ Fiberglass | .883" x .883" Thickness: .036" | |

DECKING COMPATIBILITY

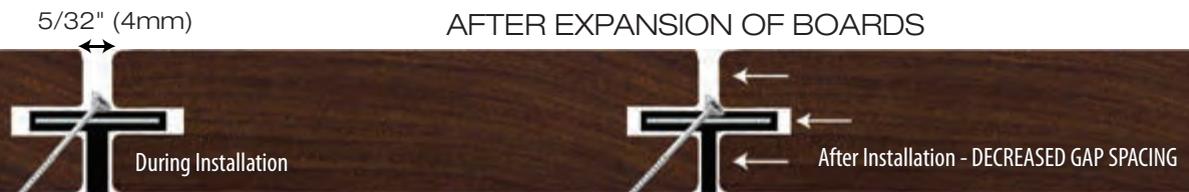
| Air-Dried Decking | Kiln-Dried Decking | Composite/ PVC Decking |
|-------------------|--------------------|---------------------------|
| ✓ | ✓ | ✓ |

Allows Contraction on the Width of Air-Dried Lumber



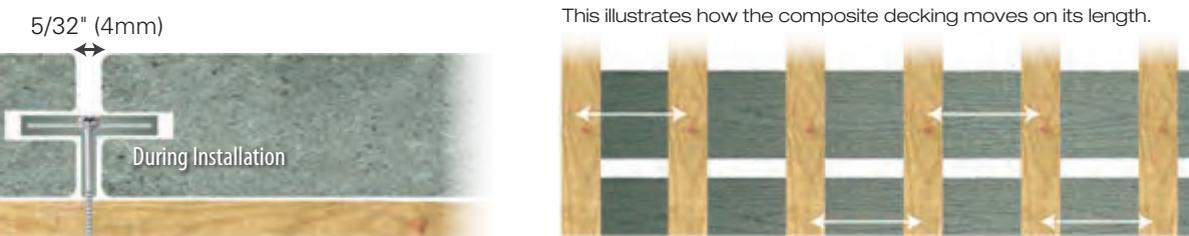
The method of 45 degree screws hold the decking tight to the joist, while allowing one side of the deck board to remain free to contract.

Allows Expansion on the Width of Kiln-Dried Lumber



The method of 45 degree screws hold the decking tight to the joist, while allowing one side of the deck board to remain free to expand.

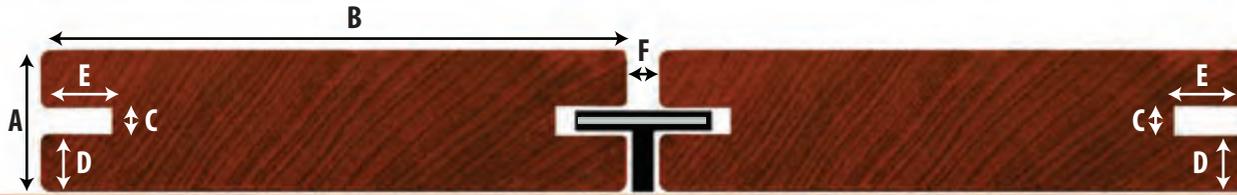
Allows Expansion/Contraction Along the Length of Composite/PVC Decking



This illustrates how the composite decking moves on its length.



DeckWise® Extreme4® Installation Specifications



| BOARD DIMENSIONS | |
|----------------------------------|-----------------------------------|
| Board Thickness | Board Width |
| A* = Measurement Of Your Decking | B** = Measurement Of Your Decking |

| GROOVE DIMENSIONS | | |
|-------------------|--------------------|-----------------|
| Thickness of Cut | Cutting Height | Cutting Depth |
| C = 5/32" (4mm) | D*** = (A-5/32")/2 | E = 1/2" (13mm) |

| BOARD SPACING |
|---------------------|
| During Installation |
| F**** = 5/32"(4mm) |

* If using 1-1/2" or thicker material, you may need to upgrade to a longer screw option than what is typically packaged with the fastening kit.

** For decking 8" or wider, the (A) dimension should be at least 1-1/2". Using a wide plank such as this for surface decking will most likely cause cupping issues regardless of how the material is fastened if thicker material is not used.

*** This formula will create a symmetrical profile that allows you to flip and/or rotate the decking to be able to put the best side up.

**** Fastener automatically achieves correct gap spacing when boards are pushed tight during installation.

- COMPLETE KIT CONTAINS**
- (175) IPE CLIP® Extreme4® Hidden Deck Fasteners
 - (190) #8x2" Colormatch Black Stainless Steel Star Drive Screws
 - (12) 3/8" Tapered Ipe Plugs
 - (1) 1/8" High Speed Drill Bit
 - (1) T15 Star Drive Tip
 - (3) 5/32" Spacer Tools
 - (1) Instruction Sheet

- 100 CT. KIT CONTAINS**
- (100) IPE CLIP® Extreme4® Hidden Deck Fasteners
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 - (1) Instruction Sheet
 - (3) 5/32" Spacer Tools



5/32" (4mm) Spacer Tool Included

- | 2 GAL. CONTRACTOR BUCKET | 5 GAL. CONTRACTOR BUCKET |
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| (1) Instruction Sheet | (1) Instruction Sheet |



#8x2" Colormatch Black Stainless Steel Star Drive Screws



3/8" Tapered Ipe Plugs



1/8" High Speed Drill Bit



T15 Star Driver Tip

Manufactured By DeckWise®

Use With Exotic Hardwoods, Thermally Modified Woods & Composite Decking.



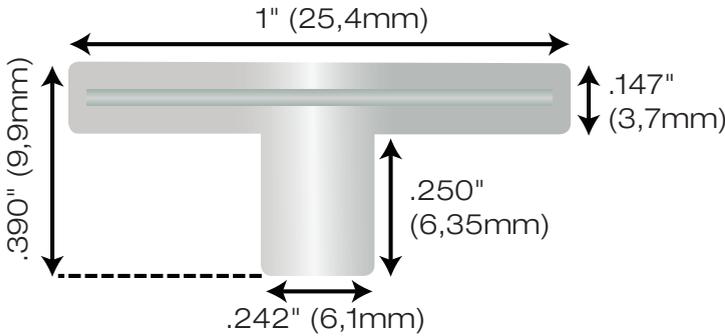
Hardened stainless steel insert with a black oxide coating inside UV and chemical-resistant polyethylene.

Hollow leg acts as a shock absorber as kiln-dried materials expand.

Features:

- This system automatically spaces deck boards at 1/4" (6,4mm)
- Manufactured from polyethylene with stainless steel; black oxide insert
- For use with kiln dried hardwood, composite, or PVC decking
- Allows for expansion of width of kiln dried hardwoods
- Allows movement of length with composite/PVC decking
- Unique design allows for more tolerance in grooved side profile while increasing hold-down area
- UV resistant
- Limited Lifetime Warranty

Fastener Dimensions



CLIP CONSTRUCTION

| Material | Stainless Steel Insert | Available Colors |
|------------------------------|-----------------------------------|------------------|
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DECKING COMPATIBILITY

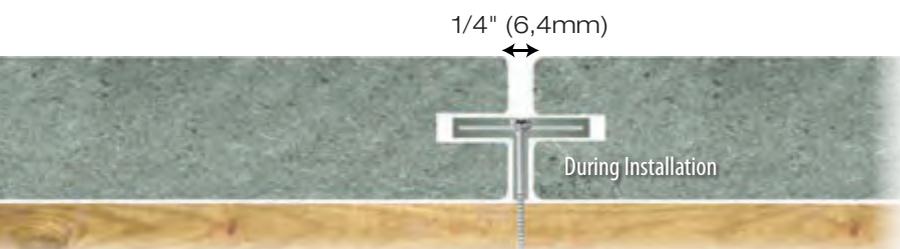
| Air-Dried Decking | Kiln-Dried Decking | Composite/ PVC Decking |
|-------------------|--------------------|---------------------------|
| ✗ | ✓ | ✓ |

Allows Expansion on the Width of Kiln-Dried Lumber

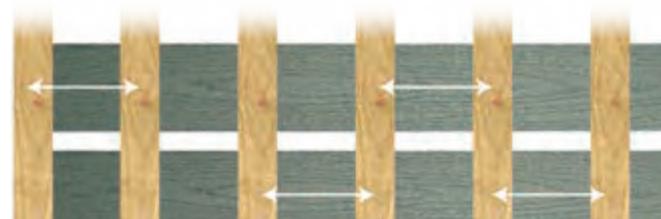


The method of 45 degree screws hold the decking tight to the joist, while allowing one side of the deck board to remain free to expand.

Allows Expansion/Contraction Along the Length of Composite/PVC Decking



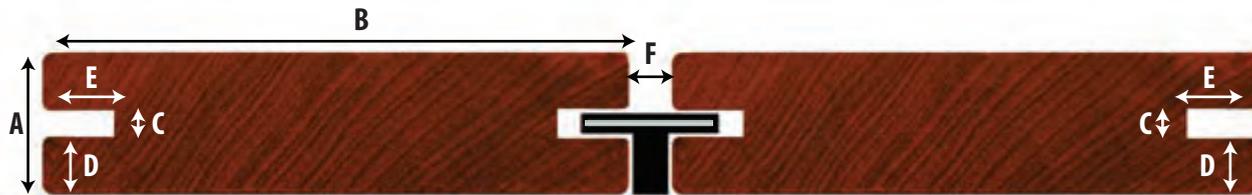
This illustrates how the composite decking moves on its length.



Running screws straight down with composite/PVC decking allows these materials to naturally move on their length.



DeckWise® ExtremeKD® Installation Specifications



| BOARD DIMENSIONS | |
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| BOARD SPACING |
|----------------------|
| During Installation |
| F**** = 1/4" (6,4mm) |

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*** This formula will create a symmetrical profile that allows you to flip and/or rotate the decking to be able to put the best side up.

**** Fastener automatically achieves correct gap spacing when boards are pushed tight during installation.

COMPLETE KIT CONTAINS

- (175) IPE CLIP® ExtremeKD® Hidden Deck Fasteners
- (190) #8x2" Colormatch Black Stainless Steel Star Drive Screws
- (12) 3/8" Tapered Ipe Plugs
- (1) 1/8" High Speed Drill Bit
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- (1) Instruction Sheet

100 CT. KIT CONTAINS

- (100) IPE CLIP® ExtremeKD® Hidden Deck Fasteners
- (100) #8x2" Colormatch Black Stainless Steel Star Drive Screws
- (1) Instruction Sheet
- (3) 5/32" Spacer Tools

2 GAL. CONTRACTOR BUCKET 5 GAL. CONTRACTOR BUCKET

- (525) IPE CLIP® ExtremeKD® Hidden Deck Fasteners
- (565) Stainless Steel Deck Screws
- (6) 1/4" Spacer Tools
- (3) T15 Star Drive Tips
- (3) 1/8" High Speed Drill Bits
- (1) Instruction Sheet

- (1050) IPE CLIP® ExtremeKD® Hidden Deck Fasteners
- (1130) Stainless Steel Deck Screws
- (6) 1/4" Spacer Tools
- (5) T15 Star Drive Tips
- (5) 1/8" High Speed Drill Bits
- (1) Instruction Sheet



1/4" Spacer Tool Included



#8x2" Colormatch Black Stainless Steel Star Drive Screws



3/8" Tapered Ipe Plugs



1/8" High Speed Drill Bit



T15 Star Driver Tip

STANDARD

Manufactured By DeckWise®

Economical Alternative Gap Spacing 3/32" (2,4mm)

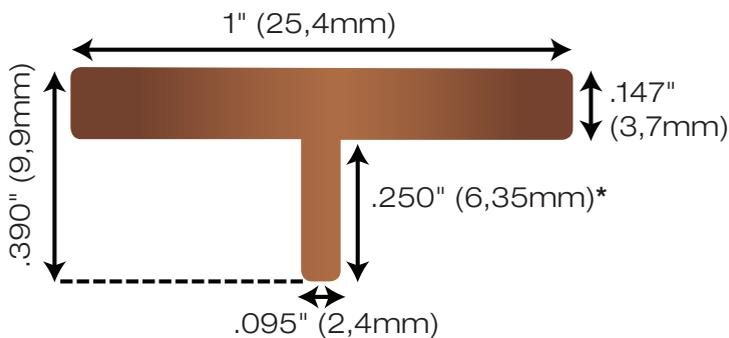
Use With Exotic Hardwoods, Thermally Modified Woods & Composite Decking.



Features:

- Automatically spaces deck boards at 3/32" (2,4mm)
- Manufactured from glass-filled polypropylene
- For use on air dried hardwood, composite, or PVC decking
- Allows for contraction of width of air dried hardwoods
- Allows movement of length with composite/PVC decking
- Unique design allows for more tolerance in grooved side profile while increasing hold-down area
- UV resistant
- Limited Lifetime Warranty
- No steel insert

Fastener Dimensions



*Short version shown above
Tall version = .375" (9,5 mm)

CLIP CONSTRUCTION

| Material | Stainless Steel Insert | Available Colors |
|------------------------------|------------------------|------------------|
| Polypropylene/ Fiberglass | None | |

DECKING COMPATIBILITY

| Air-Dried Decking | Kiln-Dried Decking | Composite/ PVC Decking |
|-------------------|--------------------|---------------------------|
| ✓ | ✗ | ✓ |

Allows Contraction on the Width of Air-Dried Lumber

3/32" (2,4mm)



AFTER CONTRACTION OF BOARDS



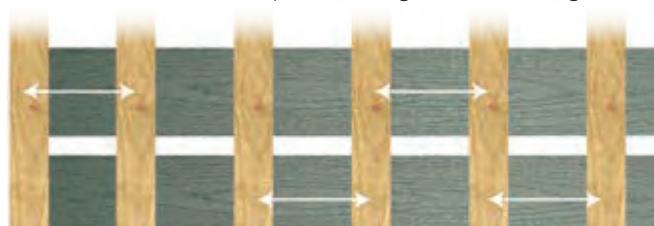
The method of 45 degree screws hold the decking tight to the joist, while allowing one side of the deck board to remain free to contract.

Allows Expansion/Contraction Along the Length of Composite/PVC Decking

3/32" (2,4mm)



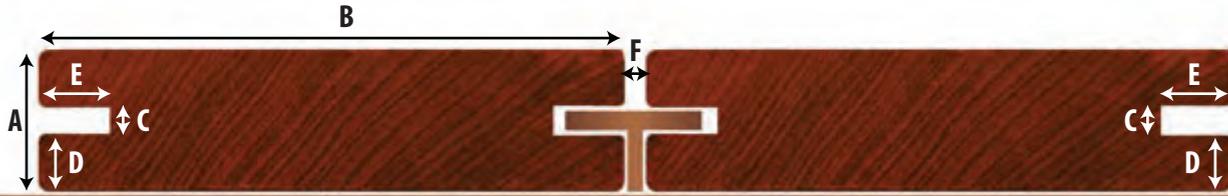
This illustrates how the composite decking moves on its length.



Running screws straight down with composite/PVC decking allows these materials to naturally move on their length.

STANDARD

DeckWise® Standard Installation Specifications



| BOARD DIMENSIONS | | GROOVE DIMENSIONS | | | BOARD SPACING |
|----------------------------------|-----------------------------------|-------------------|--------------------|-----------------|-----------------------|
| Board Thickness | Board Width | Thickness of Cut | Cutting Height | Cutting Depth | During Installation |
| A* = Measurement Of Your Decking | B** = Measurement Of Your Decking | C = 5/32" (4mm) | D*** = (A-5/32")/2 | E = 1/2" (13mm) | F**** = 3/32" (2,4mm) |

* If using 1-1/2" or thicker material, you may need to upgrade to a longer screw option than what is typically packaged with the fastening kit.

** For decking 8" or wider, the (A) dimension should be at least 1-1/2". Using a wide plank such as this for surface decking will most likely cause cupping issues regardless of how the material is fastened if thicker material is not used.

*** This formula will create a symmetrical profile that allows you to flip and/or rotate the decking to be able to put the best side up.

**** Fastener automatically achieves correct gap spacing when boards are pushed tight during installation.

- COMPLETE KIT CONTAINS**
- (175) IPE CLIP® Standard Hidden Deck Fasteners
 - (190) #8x2" Colormatch Black Stainless Steel Star Drive Screws
 - (12) 3/8" Tapered Ipe Plugs
 - (1) 1/8" High Speed Drill Bit
 - (1) T15 Star Drive Tip
 - (1) Instruction Sheet

- 100 CT. KIT CONTAINS**
- (100) IPE CLIP® Standard Hidden Deck Fasteners
 - (100) #8x2" Colormatch Black Stainless Steel Star Drive Screws
 - (1) Instruction Sheet
 - (3) 5/32" Spacer Tools

| 2 GAL. CONTRACTOR BUCKET | 5 GAL. CONTRACTOR BUCKET |
|---|---|
| <ul style="list-style-type: none"> (525) IPE CLIP® Standard Hidden Deck Fasteners (565) Stainless Steel Deck Screws (3) T15 Star Drive Tips (3) 1/8" High Speed Drill Bits (1) Instruction Sheet | <ul style="list-style-type: none"> (1050) IPE CLIP® Standard Hidden Deck Fasteners (1130) Stainless Steel Deck Screws (5) T15 Star Drive Tips (5) 1/8" High Speed Drill Bits (1) Instruction Sheet |



#8x2" Colormatch Black Stainless Steel Star Drive Screws



3/8" Tapered Ipe Plugs



1/8" High Speed Drill Bit



T15 Star Driver Tip

Ipe Clip®

Hidden Deck Fasteners

Manufactured By DeckWise®

HIDDEN DECK FASTENER INSTALLATION INSTRUCTIONS

EXTREME® Ipe Clip® Series - U.S. Patent Numbers 8,464,488 and 8,806,829. Original, "round", STANDARD Ipe Clip® - U.S. Patent No. D470,039.

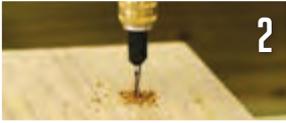


1

STEP 1: Installing the First Deck Board

Apply DeckWise® WiseWrap® Joist Tape™ or a bead of exterior adhesive to each joist approximately 3/8" in width. For adhesives, you may want to do this as you go so, that, it does not dry before completion if you have a larger area to install. While adhesive adds hold-down strength to the boards, it does not prevent wood rot. WiseWrap® Joist Tape™ prevents joist wood rot as well as seals around deck screws. Even though joists may seem even, changes in weather can cause board movement.

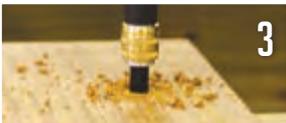
Both WiseWrap® Joist Tape™ and/or adhesive will also help prevent squeaking from uneven joists in the future.



2

STEP 2: Drill a 1/8" Pilot Hole

Use a 1/8" drill bit to pre-drill a pilot hole for the initial face-driven screws. Drill deep enough to penetrate the deck board and NOT the underlying joist material. (All Ipe Clip® Hidden Deck Fastener systems, 175 count and above, include a 1/8" High Speed Drill Bit. We suggest using the 3-in-1 DeckWise® Drill & Drive™ (not included in Ipe Clip® Fastener kits), which has a 1/8" drill bit, 3/8" countersink bit, and screw gun T15 tip that will help speed up this process.)



3

STEP 3: Drill a 3/8" Countersink Hole Approximately 3/8" Deep

Use a 3/8" countersink bit to bore a hole approximately 1/4" to 3/8" deep (depending on your deck board thickness) for each screw to be hidden by a hardwood plug. Be sure your countersink bit is sharp and leaves a clean edge.



4

STEP 4: Drive a Deck Screw Through the Countersunk Hole

Next, securely drive a deck screw down into the countersunk hole into the joist below. (All Ipe Clip® fastener kits, 175 count and above, have extra stainless steel deck screws included in them for starter boards.) Wood plugs will next be installed into the holes to hide the deck screws and create a smooth, blemish free surface.



5

STEP 5: Put a Drop of Glue Into the Countersunk Hole (POLYURETHANE BASED RECOMMENDED)

Place a dab of wood glue (Gorilla Glue® is suggested) into the countersink hole from the above steps. This will secure the wood plug from popping up in the future. Plus, it will act as a moisture barrier, sealing the countersunk hole and screw.



6

STEP 6: Insert a Wood Plug Into Countersunk Hole

Insert a 3/8" tapered (or Extreme® ribbed) wood plug and tap it down with a hammer so it fits snug into the hole. Wipe away any excess glue that may squeeze out.

NOTE: We always encourage finding the wood grain in the plug and aligning it with the deck board grain. This will help ensure the plug is hidden as much as possible.



7

STEP 7: Flush Cut Any Plug Material

Once the plug is hammered in and the glue is dry, remove any excess plug material protruding above the surface of the deck board. You can accomplish this by using a flush cut pull saw, belt sander or an orbital sander with 80 grit sand paper.



8

STEP 8: Sand for Hardwood Oil Finish

Sand smooth all areas where a plug was installed so that plug is flush with deck surface. A round, random orbit sander with 80-120 grit sand paper works best. When sanding is finished, we suggest using Ipe Oil® for a beautiful natural wood color on your entire deck.



9

STEP 9: Cut Slots for Ipe Clip® Fasteners

Use a biscuit jointer or a router (with a 5/32" X 1/2" slot cutting bit) to cut a slot in the edge of deck board above each joist. You will want to center this groove in the board so there is a symmetrical profile for best results using the Ipe Clip® Hidden Deck Fasteners by DeckWise®.

NOTE: Pre-grooved deck boards are now available from many decking suppliers. If you are using pre-grooved decking, skip this step and proceed to step 10.

Tools Needed

ELECTRIC SCREW GUN, BITS & TIPS - Used to drill pilot holes and for installing the stainless steel screws. (A cordless screwgun with an adjustable clutch is recommended so torque can be properly set to avoid over-tightening of screws.) Use a 1/8" drill bit and a 3/8" countersink bit or the 3-in-1 DeckWise® Drill & Drive™.

DECKWISE® JOIST TAPE™ - Used to prevent joist wood rot as well as seals around deck screws.

CAULK GUN & EXTERIOR CONSTRUCTION ADHESIVE - Used as a leveling agent for uneven joists.

WOOD GLUE - Polyurethane based recommended.

HAMMER - Used to tap plug into countersunk hole.

FLUSH CUT PULL SAW, BELT SANDER OR AN ORBITAL SANDER

- A round, random orbit sander with 80-120 grit sand paper works best.

BISCUIT JOINTER* - (Common cabinet maker tool, available at most hardware stores & home centers) - Used to make a slot in the edge of the deck boards to allow insertion of the Ipe Clip® fasteners.

ROUTER* - Can be used if you do not have access to a biscuit jointer, a #20 biscuit cutting router bit (also called a 5/32" slot cutting bit) will work fine. This method is actually preferred by some installers.

*Not required for use with pre-grooved decking.

Made in the USA

All DeckWise® Hidden Deck Fasteners are proudly engineered and manufactured in our US facility.





10

STEP 10: Predrill a Pilot Hole (FOR HARDWOOD DECKING ONLY)

Insert one Ipe Clip® fastener into the groove of the deck board above each joist. Where two boards meet on a single joist, only one fastener is needed. Drill a 1/8" pilot hole at a 45° angle for each screw when installing Ipe Clip® fasteners into hardwood decking. You only need to pre-drill through the hardwood. This is to avoid splintering and to make sure the decking is pulled tight to the joist by the screw in the next step.



11A

STEP 11A: Screwing Ipe Clip® Fasteners (USE (11A) FOR HARDWOOD DECKING.)

Run the stainless steel screws at approximately a 45° angle through the hole in the center of the Ipe Clip® fastener, through the deck board, and down into the joist. It should not take much torque to fasten the deck board. Once the board is snug to the joist you can install the next fastener on the next joist. A screwgun with a clutch setting works great for this as you can turn the clutch down to avoid overdriving screws. Fasten each board using one fastener and one screw per joist. Where two boards meet on a single joist, only one centered fastener is needed at their meeting point.

END-TO-END-BOARDS: How to install "butt Joints" (HARDWOOD & COMPOSITE DECK MATERIAL)

Where two boards meet on a single joist, the preferred method is to use a sister joist parallel to the main joist. Install 2 (two) Ipe Clip® Hidden Deck Fasteners — one on each joist — where the boards meet. However, only one centered fastener can be installed at their meeting point.



11B

STEP 11B: Screwing Ipe Clip® Fasteners (USE (11B) FOR COMPOSITE/PVC DECKING ONLY.)

Run the stainless steel screws straight down through the center of the Ipe Clip® fastener and into the joist. It should not take much torque to fasten the deck board. Once the board is snug to the joist you can install the next fastener on the next joist. A screwgun with a clutch setting works great for this as you can turn the clutch down to avoid overdriving screws. Fasten each board using one fastener and one screw per joist. Where two boards meet on a single joist, only one centered fastener is needed at their meeting point.



12

STEP 12: Installing the Next Board Over the Exposed Side of the Fastener

Slide the next deck board onto the installed Ipe Clip® fastener protruding from the previous deck board. Again, if pre-grooved decking is not being used, use a biscuit joiner or a router (with a 5/32" X 1/2" slot cutting bit) to cut a slot into the edge of the next deck board above the joist. Keep in mind, this next board will also have Ipe Clip® hidden fasteners installed on its opposite edge for fastening, and so forth.

NOTE: When using Ipe Clip® ExtremeKD® or Extreme4® fasteners, use the DeckWise® spacer tools provided to ensure that fastener legs are not crushed while keeping your deck boards tight. Remove spacer tools as soon as any deck board is fastened.

-----Repeat steps 10-12 until all deck boards are installed up to the last board -----



13

STEP 13: Installing the Last Deck Board

On the last deck board, fastening clips will not be used and it is necessary to fasten the outside edge with surface screws. These surface screws can be concealed by countersinking a 3/8" hole and using the wood plugs supplied. It is also recommended to apply a small amount of construction adhesive on the outside joist for securing the last or outside edge deck boards.

Recommended Tools and Wood Oil Finish



DRILL & DRIVE™

Using the DeckWise® Drill & Drive™ tool to build your deck makes predrilling, plugging, and driving screws much faster than standard drilling and driving.



Ipe Oil®

Hardwood Deck Finish

Coat decking with proper deck finish after installation to reduce any wood shrinkage or movement. Ipe Oil® or similar product is recommended.



DeckWise® Joist Tape™ is a polyethylene waterproof wood flashing using a rubberized asphalt mastic adhesive. Easily apply to decking joists, around deck support posts and over ledger boards.

Helpful Installation Tips

- If the fastener is tipping down when screw is installed, making the next board difficult to slide on, reinstall the screw to stand it more vertical. The screw should be installed at approximately a 45° to 65° angle.
- Do not over tighten screws. They should be flush or slightly above the surface of the Ipe Clip® fastener.
- Use an end wax on end grain cuts to help prevent checking. Ipe Seal™ or similar product is recommended.
- The Hardwood Wrench™ is a self-locking board straightening tool with 1,100 pounds of bending force and works seamlessly with Ipe Clip® Hidden Deck Fasteners to hold deck boards straight while fasteners are being installed.

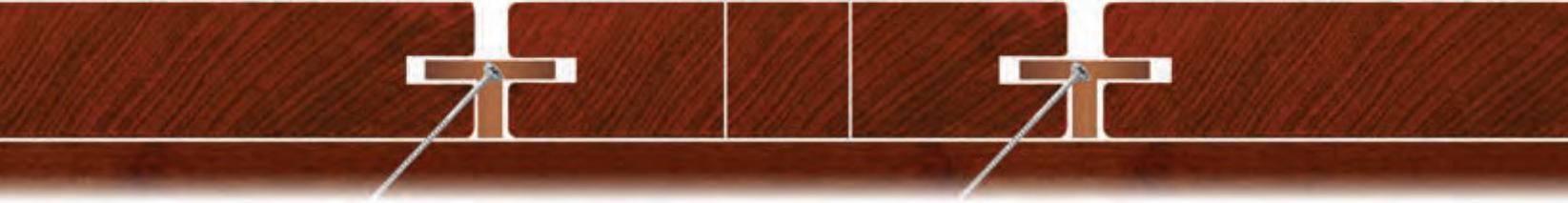
Board Replacement Step By Step

STEP 1: Cut the board that needs to be replaced down the center. If tight, making two cuts can help you remove the center portion of the board more easily.



Step Hint:

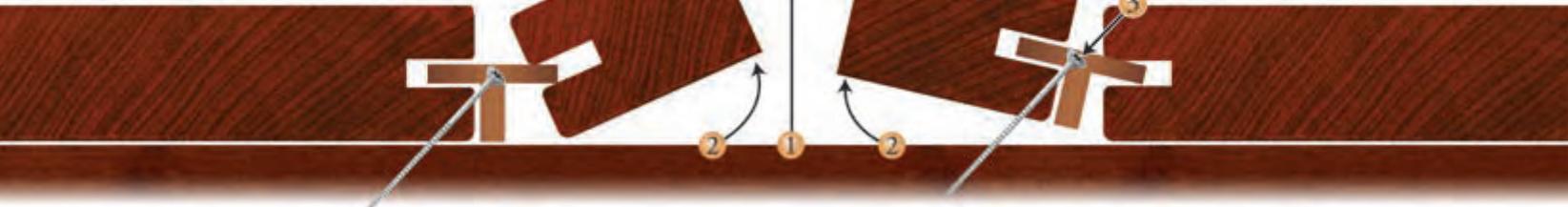
Use a circular saw to make the two center cuts on the deck board that is to be removed.



STEP 2: Remove the cut board and the fastener that was screwed through that board.

Step-by-step Directions:

1. Remove the center piece that was cut in the previous step.
2. Remove side sections of board (the side that the screw is running through will have to be pried out).
3. If screw breaks, pound flush into joist with hammer.



STEP 3: Run a screw at a 45° angle into the groove that you removed the DeckWise® fastener from.

Step Hint:

Be careful not to over tighten the screw which could crack or break the slot groove edge.



STEP 4: Carefully slide a new deck board onto the exposed DeckWise® fastener.

Step Hint:

Installing a board with a groove on just one side of the deck board is optimal in this step.



STEP 5: Countersink a screw straight down into the side of the board that has no fastener and use a wood plug over the hole.

Step Hint:

If installing a deck board with grooves on both sides of the deck board, make sure not to drive the face driven screw through the groove.



DeckWise® Hidden Deck Fastener Approximate Coverage

Approximate coverage for 100 Count Kit of DeckWise® fasteners

Approximate coverage for Full 175 Count Kit of DeckWise® fasteners

| JOIST SPACING | WIDTH OF DECK BOARDS | |
|---------------|----------------------|------------|
| | 3½" | 5½" |
| 24" | 50 sq.ft. | 100 sq.ft. |
| 16" | 36 sq.ft. | 57 sq.ft. |
| 12" | 25 sq.ft. | 50 sq.ft. |

| JOIST SPACING | WIDTH OF DECK BOARDS | |
|---------------|----------------------|------------|
| | 3½" | 5½" |
| 24" | 87 sq.ft. | 175 sq.ft. |
| 16" | 63 sq.ft. | 100 sq.ft. |
| 12" | 44 sq.ft. | 87 sq.ft. |

DECKING GROOVE PROFILE



A = 5/32" (4mm) **B = 1/2" (13mm)** **C = Measurement of the deck board thickness being installed.** **D = (C-A)/2** Note: this will center the groove in the board

1X6 EXAMPLE

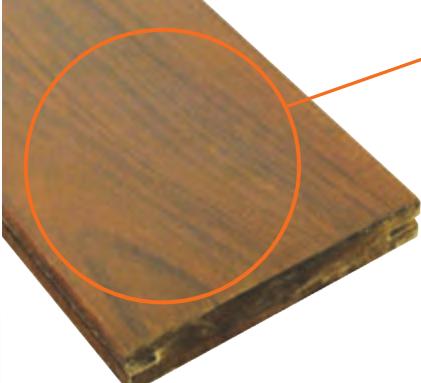
Let's say you are installing 1x6 decking, that would mean that:

C = 3/4"
 D = (3/4" - 5/32")/2
 D = (19/32")/2
 D = 19/64" (7,54mm)

5/4X6 EXAMPLE

Let's say you are installing 5/4x6 decking, that would mean that:

C = 1"
 D = (1" - 5/32")/2
 D = (27/32")/2
 D = 27/64" (10,72mm)



FLAWLESS DECK SURFACE

When DeckWise® hidden deck fasteners are used for the installation of a deck, a flawless surface can be achieved that is free of any ugly nail and/or screw heads.

DECKING GROOVES

Whether using pregrooved decking or having the slots cut on the job site, DeckWise® hidden deck fasteners fit perfectly into the groove with plenty of tolerance to allow for an easy installation.



DeckWise® Line of Ipe Clip® Hidden Deck Fasteners Gap Spacing

DeckWise® Hidden Deck Fasteners Standard



DeckWise® Hidden Deck Fasteners Extreme®



DeckWise® Hidden Deck Fasteners Extreme4®



DeckWise® Hidden Deck Fasteners ExtremeKD®



← Smallest Gap Spacing at Time of Installation

→ Largest Gap Spacing at Time of Installation

Installation: Hardwoods vs Composite/PVC Decking

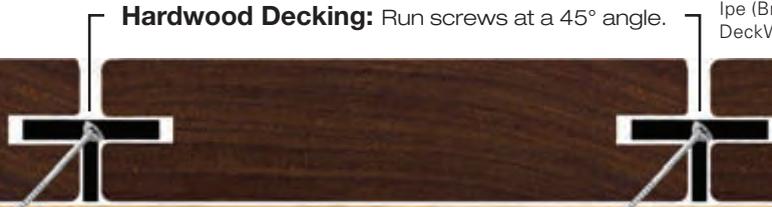
Explanation of Hardwood Installation

ACHIEVE EVEN GAP SPACING

When DeckWise® hidden deck fasteners are screwed in at a 45° angle, this holds one side of the board in place while forcing all movement from the opposite side. This is the key to maintaining even gap spacing for the life of the deck while still allowing the natural movement of the hardwood. Studies have also shown that the hold-down strength of a screw is greater when it is driven through material at an angle as opposed to straight down. **Hidden fasteners eliminate surface damage such as from face screwing.**



Shown Above: Ipe (Brazilian Walnut) Hardwood decking installed with DeckWise® Extreme® hidden deck fasteners.



PREVENT NAIL POPS!

Hardwood decking naturally moves on its width as seasons and weather change. This movement rocks the nails (or screws) back and forth, thereby weakening them. This process eventually leads to the nail (or screw head) popping up or worse, the nails (or screws) snapping off completely.



Nail Pop

PROTECT THE DECK SURFACE

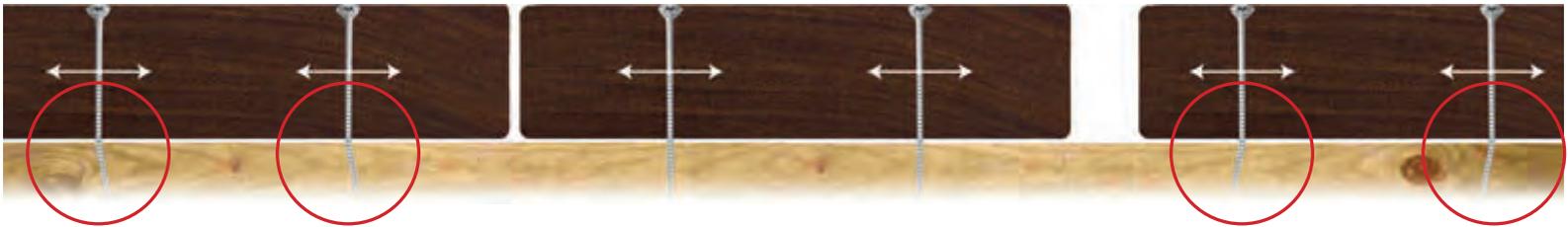
Face screwing deck boards can create many problems after the installation is complete. The surface of the deck is compromised every time a screw penetrates the face of the deck board because this allows water to soak into these exposed holes. This can cause huge problems down the road because the entire integrity of the deck surface is weakened which can cause checking and splitting.



Wood Rot

Shown Above: Ipe (Brazilian Walnut) Hardwood decking installed with face driven screws.

⊘ **Hardwood Decking:** Face screwing is NOT recommended.



PREVENT UNEVEN GAP SPACING

Some hidden deck fasteners on the market that run screws straight down, claiming they prevent screws from breaking and weakening. What they fail to reveal is, that, when the hardwood decking naturally moves, nothing is holding the deck boards to the joist. They are free to slide between the fasteners resulting in uneven gap spacing.



Shown Above: Ipe (Brazilian Walnut) Hardwood decking installed with hidden deck fasteners secured straight down.

⊘ **Hardwood Decking:** Fastening hidden deck fasteners straight down is NOT recommended.



Installation: Hardwoods vs Composite/PVC Decking

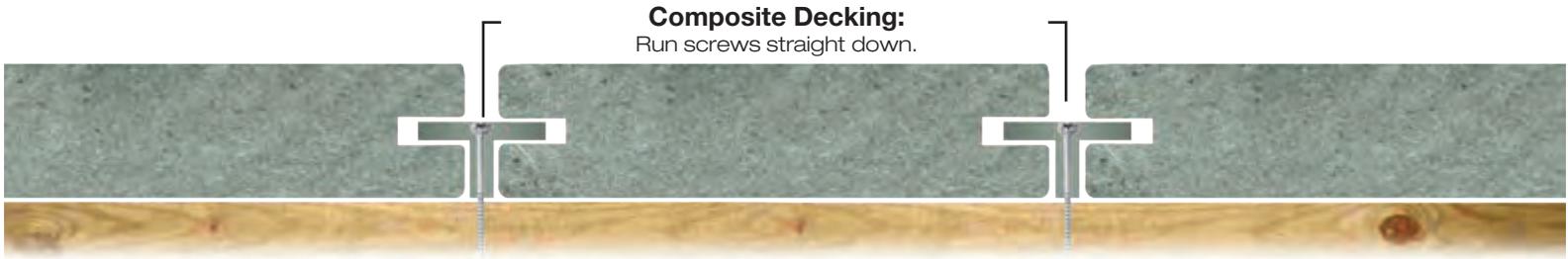
Explanation of Composite/PVC Installation

ACHIEVE EVEN GAP SPACING

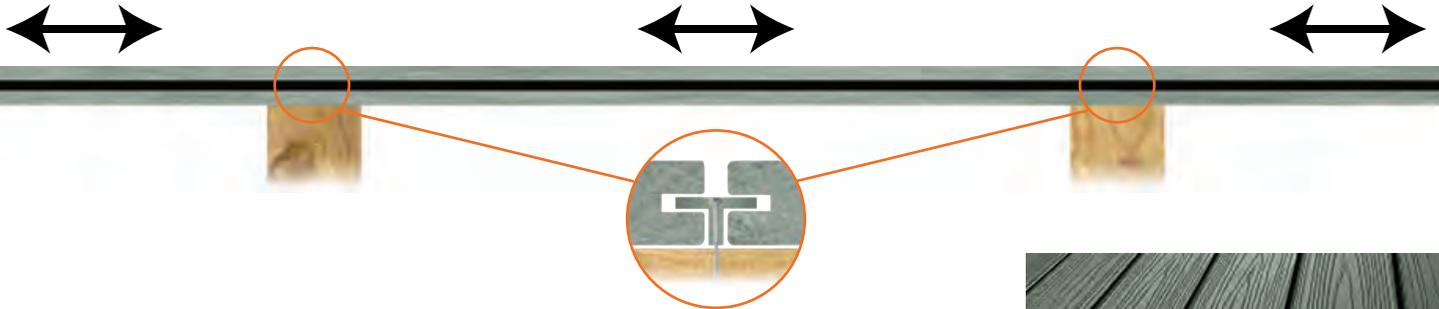
The DeckWise® hidden deck fastening system is one that allows you to run the screws straight down when installing composite or PVC decking. This installation technique allows the composite or PVC decking to expand and contract on its length. This is optimal with composite and PVC decking because unlike hardwoods, this material tends to expand on its length rather than width. Since they do not move on their widths like hardwood decking, your gap spacing will be maintained through the life of the product.



Shown Above:
Antique Grey composite decking installed with DeckWise® ExtremeKD® hidden deck fasteners.

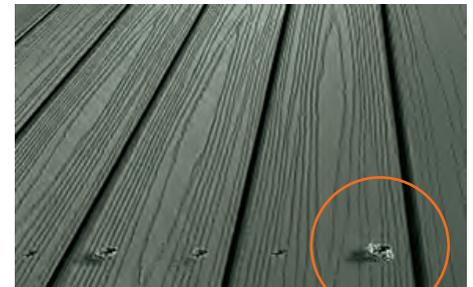


Composite Decking: This is a composite deck when viewed from the side... This illustrates the decking expanding on its length.



PREVENT NAIL POPS AND MUSHROOMING!

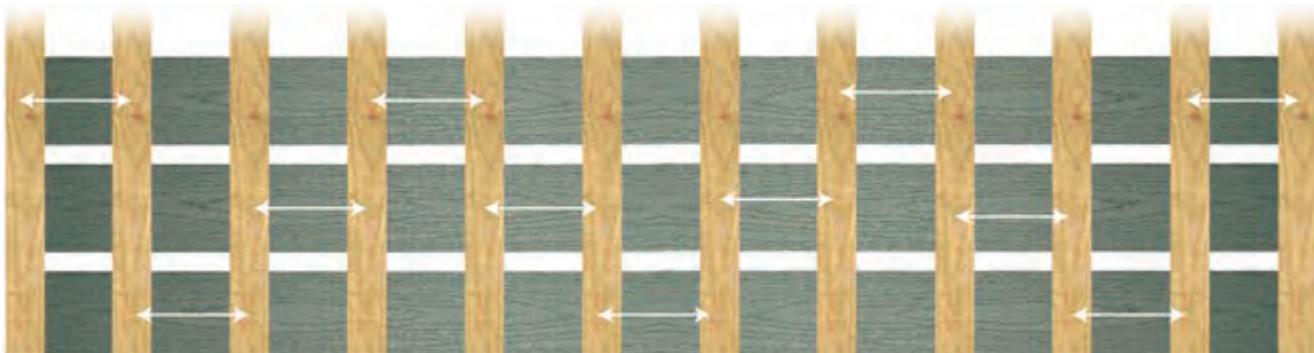
Why would you want to blemish your brand new deck surface by running screws through the face of your composite or PVC deck boards during installation? Face screwing this material causes the surface to “mushroom” around the face driven screw. This creates a deck surface that is riddled with unattractive flaws. This method also weakens the screws because, as the composite material naturally expands and contracts, the screws get rocked back and forth and loosen their hold on the joist. This process almost always leads to the screw head popping out or worse, the screw snapping.



Mushrooming



Shown Below:
Composite deck as seen from below. This illustrates how the decking moves on its length.



DECKING SYSTEM CLIP TESTING

Preliminary Test Results, 8/25/2010
Robb Thomas, Lab Manager
Tool Testing Lab, Inc.
11180 N. Dixie Dr.
Vandalia, OH 45377

UPLIFT TESTING



Introduction

Special clips can be used in decking systems to secure boards to joist. The following clips were fastened to a small joist and pull tested until failure to determine their strength. Each test consisted of fastening a metal board to the frame using 6 clips and the screws provided. A load cell was used to measure the force required to cause the clips to fail. Every test resulted in the screws pulling through the clip at the point in which the screws held them down.

Test Data:

| Mfg | Model | Shape | Metal Core (Y/N) | Board Spacing (Inches) | Force at Failure (lbs.) |
|--------------|----------|-----------|------------------|------------------------|-------------------------|
| Ipe Clip® | EXTREME® | Square | Yes | 3/32" | 1094 |
| Ipe Clip® | Standard | Circle | No | 3/32" | 497.5 |
| Competitor A | Original | Oval | No | 3/32" | 451.5 |
| Competitor B | Exotic | Rectangle | No | 1/4" | 322.5 |

Ashley Laboratories, LTD, 10/1/2010
Report #28,674
Joshua B. Taylor, C.E.F.
10030 Harford Road
Baltimore, MD 21234



SALT SPRAY TESTING

SCOPE: Salt Spray (Fog) testing pursuant to ASTM B117(09) on 20 parts for 96 hours with evaluations and digital photos every 24 hours.

RESULTS:

Black Oxide Encased (5 parts)

| Hours | Description |
|-------|---------------------------------|
| 24 | No Visible Red Rust (Corrosion) |
| 48 | No Visible Red Rust (Corrosion) |
| 72 | No Visible Red Rust (Corrosion) |
| 96 | No Visible Red Rust (Corrosion) |

These parts meet or exceed the Salt Spray requirements of ASTM A-967 (Stainless Steel) and MIL-DTL-13924 (Black Oxide).

SUITABILITY OF FASTENERS FOR DECKING SPECIES & DRYNESS

Avoid using hidden fasteners with poor quality deck materials with high expansion and contraction rates

| Species | Other Names | Dryness | Hidden Fastener | | | Face Screw |
|--------------|-------------------------------------|----------------------|--|--|--|---|
| | | | Extreme® | Extreme4® | ExtremeKD® | |
| | | | Extreme® | Extreme4® | ExtremeKD® | ColorMatch Screws |
| Ipe | Brazilian Walnut, Lapacho, Tabebuia | Air Dried 16 to 20% | YES | YES | NO, wood will shrink and finished gap will be large. | YES |
| Pine | | Kiln or Air Dried | No, wood will shrink off clip. | No, wood will shrink off clip. | No, wood will shrink off clip. | YES |
| Tigerwood | Muricatiara, Goncalo Alves | Kiln Dried 14 to 16% | NO, wood could expand and cause buckling. | YES | YES | YES |
| | | Air Dried | NO, this species should be kiln dried for decking use. | NO, this species should be kiln dried for decking use. | NO, this species should be kiln dried for decking use. | YES, but this species will be unstable unless kiln dried. |
| Garapa | Brazilian Ash | Kiln Dried | NO, wood could expand and cause buckling. | YES | YES | YES |
| | | Air Dried | NO, this species should be kiln dried for decking use. | NO, this species should be kiln dried for decking use. | NO, this species should be kiln dried for decking use. | YES, but this species will be unstable unless kiln dried. |
| Massaranduba | Maçaranduba | Kiln Dried 14 to 16% | NO, wood could expand and cause buckling. | YES | YES | YES |
| Padouk | Padauk, Vermillion | Air Dried | NO, this species should be kiln dried for decking use. | YES | YES | YES |
| Acacia | | Kiln Dried | NO, wood could expand and cause buckling. | YES | YES | YES |
| Bankirai | Balau | Kiln Dried | NO, wood could expand and cause buckling. | YES | YES | YES |
| Tatajuba | | Kiln Dried | NO, wood could expand and cause buckling. | YES | YES | YES |
| Merbau | | Kiln Dried | NO, wood could expand and cause buckling. | YES | YES | YES |

Many other quality species of hardwood decking may be suitable for use with DeckWise® hidden deck fasteners, provided they are properly dried and do not have a high expansion or contraction rate.

Where both Extreme4® and ExtremeKD® is a option, it is typically a preference of the size of Gap spacing desired for looks. ExtremeKD® is a larger Gap.

STAINLESS STEEL #8 TRIM-HEAD DECK SCREWS

Distributed by DeckWise®

Available in all DeckWise® Hidden Fastener Kits.



#8x3-1/8" Strength made simple. The DeckWise® brand of stainless decking screws is a great way to ensure hardwood and composite deck boards stick tight to the joist. As part of the DeckWise® line of deck building products, Colormatch screws give builders and DIY homeowners a reliable way to fasten any type of decking.

DeckWise® Colormatch decking screws are made from high-quality 305 grade stainless steel for optimum performance with hardwoods and composite decking material.

**#8 Stainless Steel
Deck Screws For
Hardwoods &
Thermally Modified
Woods**

- 305 and 316 grade stainless steel for optimum performance with hardwoods. (Use 316 grade for marine applications.)
- T15 Star Drive finish heads.
- Type 17 auger tips for easy installation.

Quantities Available:

- Shadowline Black
- Hardwood Brown
- Stainless Steel
- Cedar
- Rosy Brown
- Outdoor Grey



| Sizes Available | 100 count | 350 count | 1050 count | 1750 count |
|-----------------|-----------|-----------|------------|------------|
| #8x1" | ✓ | ✓ | ✓ | ✓ |
| #8x1-1/2" | ✓ | ✓ | ✓ | ✓ |
| #8x2" | ✓ | ✓ | ✓ | ✓ |
| #8x2-1/2" | ✓ | ✓ | ✓ | ✓ |
| #8x3-1/8" | ✓ | ✓ | ✓ | ✓ |

STAINLESS STEEL

#10 BUGLE-HEAD DECK SCREWS

Distributed by DeckWise®

#10x3-1/8"

#10x2-1/2"



The DeckWise® Bugle Head T25 stainless decking screws are perfect for any patio or deck project including many framing projects. The double countersink flat bugle head has 6 nibs; utilizes a 6 lobe star drive to reduce cam-out and increase torque; and comes as a chipboard thread screw with partial thread and triple spline (one at the beginning on the thread and two at the end of point). Lastly, this screw yields a Type 17 point for ease of wood penetration.

DeckWise® Colormatch #10 decking screws are made from high-quality 305 grade stainless steel for optimum performance with hardwoods, thermally modified woods, woods and composite decking material.

#10 Stainless Steel
Deck Screws For All
Types Of Deck
Building Needs

- 305 and 316 grade stainless steel for optimum performance with hardwoods. (Use 316 grade for marine applications.)
- T25 Star Drive finish heads.
- Auger tips for easy installation.



Hardwood Brown



Stainless Steel



Cedar



Outdoor Grey

Quantities Available:



| Sizes Available | 100 count | 350 count | 1050 count | 1750 count |
|-----------------|-----------|-----------|------------|------------|
| #10x2-1/2" | ✓ | ✓ | ✓ | ✓ |
| #10x3-1/8" | ✓ | ✓ | ✓ | ✓ |

Colormatch your #10 deck screws to match decking material with 4 signature color choices.

#8 STAINLESS STEEL HEAT-TREATED DECK SCREWS

Distributed by DeckWise®

Less Stripping, Less Snapping, Less Headaches!

#8x1-3/4"
& #8x2"

The DeckWise® HTSS™ (Heat-Treated Stainless Steel) deck screws offer our specially engineered four-sided tips and a serrated thread design to minimize board splitting or splintering, even when drilling near the edge.

Our HTSS™ deck screws are an 18-8 heat treated screw for hardened toughness and feature a patented TTAP® T15 Star Drive head

with locking bit. Meaning, less stripping, less snapping and less headaches when installing hidden deck fasteners, hidden siding fasteners or face screwing.

Engineered exclusively for DeckWise®, the HTSS™ deck screws make installations easier than ever.

Perfect for installing
Ipe Clip® Hidden Deck Fasteners,
Hidden Siding Fasteners and
Face Screwing!

ttap® T15 Star Drive Head for less slipping

Heat treated for hardened toughness

Serrated saw threads remove sawdust

Four sided tip for self-drilling



Locking bit to eliminate slipping.

Use in conjunction with the DeckWise® Drill & Drive™.

DECKWISE® HTSS™ are heat treated (baked) for hardened toughness and longevity on exotic or thermal wood decking. We suggest using the DeckWise® Drill & Drive™ drill bit set which comes with 1/8" drill bits, and a 3/8" countersink. All HTSS™ screws come with a TTAP™ bit to interchange with the Drill & Drive™.

NOTE: Pre-drilling is always suggested for quick installations of hidden deck fasteners including countersinking for screw heads.

| Sizes Available | 100 count | 350 count | 1050 count | 1750 count |
|-----------------|-----------|-----------|------------|------------|
| #8x1-3/4 | ✓ | ✓ | ✓ | ✓ |
| #8x2" | ✓ | ✓ | ✓ | ✓ |

DeckWise® HTSS™ deck screws are available as an option in all Ipe Clip® Hidden Deck Fastener kits.

STAINLESS STEEL #7 METAL JOIST DECK SCREWS

Distributed by DeckWise®

For use with stainless steel, aluminum
and metal deck framing systems.

More and more these days contractors, architects and DIY deck builders are utilizing metal joist sub-structures to ensure longer-lasting, lower maintenance decks. The DeckWise® Self-Tapping Metal Joist Deck Screw is designed explicitly for metal joist applications.

This handy fastening screw can be used to attach most types of decking materials such as hardwoods, heat treated lumber, soft woods, composite and PVC

with aluminum and steel substructures. Pre-drilling pilot holes through the decking is still recommended.

This self-drilling auger tip will penetrate metal joists underneath with ease. DeckWise® metal joist deck screws are high performance fasteners, which allow deck builders and architects to provide their customers with uniform and long-lasting clean surfaces when used with our Hidden Deck Fasteners.



STAR RECESS & UNDERCUT HEAD

Deep T-15 star tip recess; specially engineered head which eliminates slipping and stripped heads.

TRIPLE STRENGTH CORROSION RESISTANCE

410 stainless steel + Xylan coating + Bright hardening.

SELF-TAPPING POINT

#3 drill point digs into decking material with ease and cleanly penetrates the underlying steel or aluminum joists.



Shadowline Black • Hardwood Brown • Stainless Steel

| Sizes Available | 100 count | 350 count | 1050 count | 1750 count |
|-----------------|-----------|-----------|------------|------------|
| #7x1-5/8" | ✓ | ✓ | ✓ | ✓ |
| #7x2-1/4" | ✓ | ✓ | ✓ | ✓ |

These DeckWise® deck screws are available as an option in all DeckWise® Hidden Deck Fastener Kits.

STAINLESS STEEL

#10 COMPOSITE DECK SCREWS

Distributed by DeckWise®



Hardwood Brown



Rosy Brown



Cedar



Composite Grey



Composite Sand

Five color choices to match the most popular colors of composite decking.

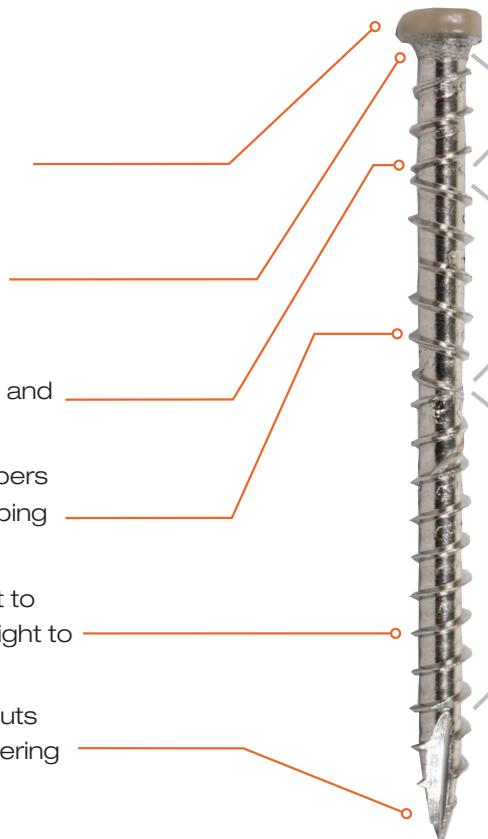
Our 305 Grade Composite screws are made to the same high standards as the DeckWise® products you've come to trust.

These #10 X 2-1/2" Stainless steel bodies are strong and corrosion-resistant. Painted heads, in your choice of Hardwood Brown, Rosy Brown, Cedar, Composite Grey, or Composite Sand match the most popular colors of composite decking.

Advanced auger point and thread design mean these screws perform the way you and your customers need to ensure the highest of quality decking.

Our composite deck screws come with a T20 star head and reverse threads directly below the head which eliminates unsightly "mushrooming" of the composite decking during installation. Dual threads further down compress dust and pull the decking board tight to the joist. All done effortlessly without need of a pre-drilling or countersinking.

- T-20 drive delivers plenty of torque without stripping out the heads
- Head designed to eliminate mushrooming or marring of deck surfaces
- These flutes grab the board and hold it tight to the joist
- Middle threads compress fibers deep in the hole, further helping to reduce mushrooming
- Lower threads grab the joist to additionally hold the board tight to the joist
- Sharp Type 17 auger point cuts fast and clean without splintering or splitting



| sizes available | #10x2-1/2" |
|-----------------|------------|
| 100 count | ✓ |
| 350 count | ✓ |
| 1050 count | ✓ |
| 1750 count | ✓ |

HARDWOOD PLUG KIT

COMPLETE SYSTEM

Distributed By DeckWise®

HARDWOOD PLUGS SMOOTH



| size | CUMARU | TIGERWOOD | IPE | MASSARANDUBA |
|------|--------|-----------|-----|--------------|
| 3/8" | ✓ | ✓ | ✓ | ✓ |

Tapered design makes installation simple and easy. Available in many different materials to match your decking.

EXTREME PLUGS® RIBBED

patent pending



| size | CUMARU | TIGERWOOD | IPE | GARAPA | MASSARANDUBA |
|------|--------|-----------|-----|--------|--------------|
| 3/8" | ✓ | ✓ | ✓ | ✓ | ✓ |
| 10mm | ✓ | ✓ | ✓ | ✓ | ✓ |
| 12mm | ✓ | ✓ | ✓ | ✓ | ✓ |

Most holes are not drilled perfectly round because the hand held drill wobbles during use creating an oblong hole. The tolerance-absorbing rings that go around each plug fill in these oblong holes and also provides more surface area for glue to hold.

Quantities Available:



When hidden deck fastening is NOT the preferred choice, there's only one complete hardwood plug kit for countersinking and face screwing on the market. The Master Plug Kit solves the problem by including your choice of four hardwood plug specie (smooth or our ribbed Extreme Plugs®) and the leading brand of wood glue in every kit. The DeckWise® Master Plug Kit fills in the blanks other so-called "complete wood plug kits" leave behind. Finally, builders have the all-in-one system they've been asking for.

MASTER PLUG KIT

- 350 or 1,050 Hardwood Plugs (choose from Ipe, Cumaru, Tigerwood, Garapa* & Massaranduba)
- 350 or 1,050 DeckWise® #8x2" Stainless Steel Screws
- 1 Complete Drill & Drive™ kit
- 4oz bottle of Gorilla Glue®



* Garapa only available in Extreme® Ribbed.



Master Plug Kit
available in 350 and
1,050-count kits.

HARDWOOD DECK OIL

NATURAL FINISH

Distributed by DeckWise®

Ipe Oil®
Hardwood Deck Finish



When deck builders need their hardwood deck to last and maintain its natural beauty, they turn to Ipe Oil®. Our hardwood deck finish seals and preserves exotic hardwoods such as Ipe, Cumaru, Garapa, Tigerwood, Massaranduba, and more.

Hardwood Protection

Ipe Oil® Hardwood Deck Finish is an oil-based natural wood finish specifically designed for use on exterior hardwood decks. Ipe Oil® Hardwood Deck Finish provides excellent penetration of even the densest hardwoods with minimal raising of the grain. It protects and conditions the wood while maintaining a completely natural appearance. Ipe Oil® Hardwood Deck Finish may be used on exterior hardwood to enhance the wood's natural beauty with exceptional results.

Product Applications

Approximate Coverage per Gallon*
Smooth Wood: 250-300 sq ft / gallon
Rough Wood: 150-250 sq ft / gallon
*Coverage on dense hardwoods

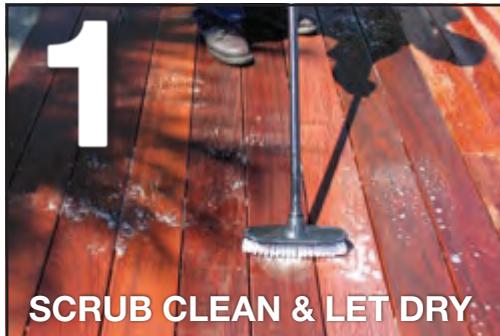
- Hardwood Decks
- All Exterior Wood Surfaces
- Fences
- Hardwood Siding
- Wood Railings
- Outdoor Furniture

Provides:

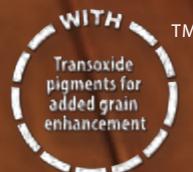
- Exceptional Penetration
- Natural Grain Enhancement
- Water Repellency
- UV Barrier Protection
- Reduces Chances of Warps & Cracks



Shake, Stir & Mix Well



Easy Application, Exceptional Results.



WATERPROOFING SEALER

NATURAL FINISH

Distributed by DeckWise®



WISECOAT®

Hardwood Deck, Siding & Fence Sealer

For Dark & Light Colored Hardwoods

DeckWise® WiseCoat® Premium Hardwood Deck, Siding & Fence Sealer is a Zero VOC, non-toxic waterproofer sealant designed for use on hardwood decking, siding and fencing surfaces. It protects, preserves and enhances all types South American exotic hardwoods such as Ipe, Teak, Mahogany, Cumaru and Tigerwood. Also use on American hardwoods and most types of thermally modified wood specie. This product, DeckWise® WiseCoat® finish is guaranteed to prevent excessive water accumulation below the wood surface for up to six (6) years on horizontal surfaces and up to ten (10) years on vertical surfaces, when used according to the product instructions.

Approximate Coverage per Gallon*
250-350 sq. ft./ gallon per coat
*Actual coverage may vary due to porosity of surface

Water Based
Eco-Friendly
Zero VOC

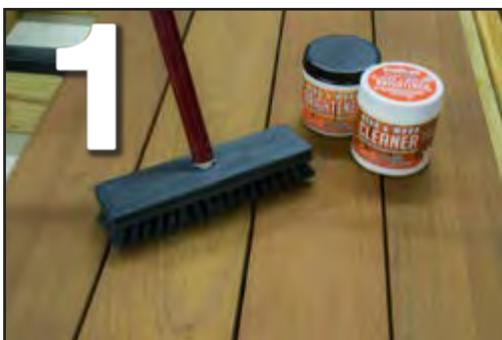
Product Applications

- Hardwood Decks
- Outdoor Furniture
- Shake Roofs
- Fences
- Railings
- Timber Framing
- Siding
- Docks
- Play Sets

Features

- Use on exotic hardwoods & thermally treated wood
- Waterproofing wood sealer
- Amber tint for UV protection
- Water-based formula
- Prevents water intrusion
- Enhances wood stability
- Odorless & non-flammable
- Safe for pets, plants & people
- Soap & water clean up
- For new or refurbished wood
- Exterior & interior use
- Inhibits mold, mildew, rot & decay
- Non-film forming, breathable flexible barrier
- Nanotechnology formula
- Prevents cupping & warping

EASY APPLICATION! Always mix well before using. Do not apply in rain. For best results, first clean surface with DeckWise® Cleaner and Brightener.



1. Clean, rinse, & let dry



2. Apply 2 coats wet over wet



3. Backbrush any puddles

HARDWOOD END GRAIN PROTECTANT

Distributed by DeckWise®

Ipe Seal®

Hardwood End Grain Sealer

Manufactured By DeckWise®

Ipe Seal® is a wax emulsion sealer proven to increase the structural integrity of hardwood decking. Designed to prevent end checking (drying splits) in freshly sawn logs, lumber, turning blanks, and other exposed wood end and face grain. Ipe Seal® creates a bond that extends the life of each deck board.

Due to differences in wood species, variety of climatic conditions, and an individuals' usage methods; results are NOT guaranteed.



1 Quart & 5 Gallon
(0.95 Liter & 19 Liter)

UNTREATED END-CUT

TREATED WITH IPE SEAL®



DO NOT apply to walking surfaces, this sealer is very slippery.

Clean Up

Use hot, soapy water on a clean brush. Solvents are NOT recommended.

Directions

Apply liberally with a brush to all end cuts. (Apply as much as the end grain will hold. If none drips off, it's probably too little. If a lot drips off, it's too much.)

The sooner our sealer is applied to exposed end grain (including face grain of turnings and carvings), the more effective the coating will be. Application is recommended to the wood within 24hrs of cutting.

ACCIDENTAL OVEREXPOSURE

Inhalation: Remove to fresh air and consult your physician immediately.

Eyes: Flush well with water and consult your physician immediately.
Ingestion: Drink 1 quart of water and

Advisory/Warning

Our End Sealer may cause color or shading changes in wood, depending on species, dryness, handling or other natural variables. Test on ends of sample piece(s) and let stand for 48 hours if this possibility is of concern.

Safety

- This is a non-hazardous wax emulsion
- Treat it with the same respect as paint
- DO NOT drink
- DO NOT breathe the liquid
- AVOID contact with eyes



see your physician for ingestion of a paraffin wax and water emulsion.
Skin: Wash well with soap and water.

HARDWOOD CLEANER & BRIGHTENER

Distributed by DeckWise®

DeckWise® Wood Deck Cleaner (Part 1) and Brightener (Part 2) remove dirt and greying in preparation for re-oiling and applying finishes such as Ipe Oil®. These concentrated powders

are formulated specially to cleanse and brighten exterior wood decks, wood fences, patios, terraces, wood siding, benches, chairs, and other outdoor wood items.



16 oz. (450g)
Smooth Wood: 500 sq. ft. (46 m²)

PRODUCT INFORMATION

- Cleans and brightens outdoor/interior wood and removes dirt and greying
- Always clean before oiling or finish staining of wood surfaces
- Biodegradable, easy to handle and safe
- Outstanding for all exterior hardwood maintenance
- Concentrated powders provide maximum strength



Before Part 1



Cleaned & Brightened with Part 1 & 2



Treated with Ipe Oil®



32 oz. (900g)
Smooth Wood: 1000 sq. ft. (92 m²)

Product Applications:

- Hardwood Decks
- Hardwood Siding
- Fences
- Wood Railings
- Outdoor Furniture
- All Exterior Wood Surfaces

STAINLESS STEEL HIDDEN SIDING FASTENERS

Manufactured By DeckWise®

Use with rainscreen siding

Crafted from solid stainless steel, DeckWise® Hidden Siding Fasteners create a smooth, sleek and upscale look. The entire system is designed to significantly reduce cupping, twisting, and mold growth due to water penetration. The DeckWise® Hidden Siding Fastener system is perfect for both residential and commercial applications.



DECKWISE® HIDDEN SIDING FASTENER KIT CONTAINS:



DeckWise® Starter Clips



DeckWise® Hidden Siding Fasteners
U.S. Patent# D663,612 S



#8x2" Stainless Steel Trim Head Screws



T15 Driver Tip

AVAILABLE KIT OPTIONS:

50

Hidden Siding Fasteners
50 - #8x2 screws
1 - T15 Tip

175

Hidden Siding Fasteners
12 starter Clips
190 - #8x2 screws
1 - T15 Tip

300

Hidden Siding Fasteners
20 starter Clips
325 - #8x2 screws
2 - T15 Tips

1050

Hidden Siding Fasteners
64 starter Clips
1130 - #8x2 screws
3 - T15 Tips

Install hardwood siding with no visible fasteners on the surface.



The DeckWise® Hidden Siding Fastener features two screw holes to easily hang siding vertically, angular or overhead allowing all types of new creative designs to become reality. Each hole is strategically placed for screws to penetrate the siding board and securing it to the underlying furring and substructure with no worries for loose boards!



HIDDEN SIDING FASTENERS



STARTER CLIPS

Materials needed to install rainscreen siding:

- Rainscreen Siding
- DeckWise® Hidden Siding Fasteners & Starter Clips
- Stainless Steel Screws
- Base Board (1x6 PT Pine is Typical)
- Furring Strips (1x3 Pine is Typical)
- Vapor Barrier
- Level
- Rubber Mallet or Hardwood Wrench™
- Chalk Line
- Cordless Drill
- Ipe Seal® Hardwood End Grain Sealer
- Eye and Ear Protection, Gloves and Face Mask

Prior to installation:

- Calculate how much siding you will need based on the "Net Finished Dimensions" only.
- Rainscreen Siding must acclimate to your local climate.
- Use Ipe Seal to cover the ends of the grain of any freshly cut siding boards.

Step-by-step installation guide:

1. Install house wrap to prevent moisture intrusion. (Always follow the vapor barrier manufacturer's instructions.)
2. Install the baseboard (horizontal furring strip) with stainless screws. Ensure the baseboard is level.
3. Align furring strips vertically on top of baseboard 16" on center. Attach furring strips.
4. Install starter clips (included with the hidden siding fastener kit) on your baseboard. Align each starter clip with the furring strips installed in step 3. (TIP: use a chalk line reel to create a level line).
5. Install the first Rainscreen Siding board on top of the starter clips. (TIP: Use a level to ensure this first board is aligned properly).
6. Place hidden siding fasteners into the pre-molded groove. Center fastener over vertical furring strips.
7. Drive a stainless steel screw through the siding fastener top hole into the furring strip at a 45 degree angle or, drive a stainless steel screw through the siding fastener bottom hole to penetrate both the siding board and the underlying furring strip, at a 45 degree angle. Pre-drilling is suggested prior to screwing into hardwoods.
8. Set the proceeding siding boards on top of the installed siding fasteners. (TIP: Use a rubber mallet or the Hardwood Wrench™ to align boards properly and straight).
9. Repeat steps 7 & 8, until complete.
10. Install final top board. Pre-drill and counter sink with 3/8" hardwood plugs across the top.

TIP: Where two pieces of siding butt against each other, use two hidden siding fasteners. (Use two starter clips if there is a butt joint with more than one piece of siding installed on the baseboard).

Fasten with #8x2" DeckWise® Stainless Steel Deck Screws

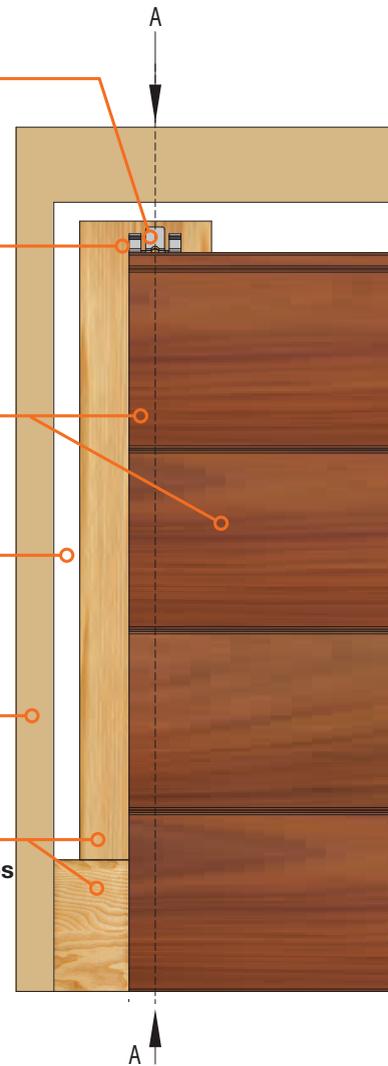
DeckWise® Hidden Siding Fastener

Hardwood Siding

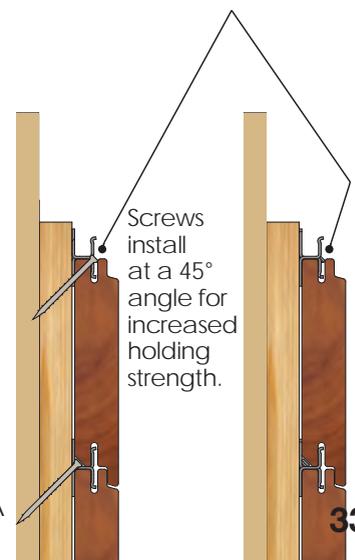
House Wrap

1/2" Plywood Wall Sheathing

1" x 4" Pressure Treated Furring Strips



SCREW LOCATION IF HANGING SIDING ON THE VERTICAL, ANGULAR, OR OVERHEAD



SECTION A-A

BRAZILIAN DECK TILES HARDWOOD

Distributed by DeckWise®

WiseTile® Hardwood Deck Tiles are modular solid Brazilian hardwood tiles that will transform any horizontal surface such as a balcony, an unsightly cracked concrete slab, outdoor shower, rooftop, pool/spa area or even an existing deck into a modern, elegant living

space. Any area where space might be limited or where permanent decking cannot be installed. WiseTile® Hardwood Deck Tiles offer homeowners and professionals affordable, semi-permanent decking that is quick and easy to install.



IPE



TIGERWOOD



CUMARU



MASSARANDUBA

| Available Deck Tiles | 20" x 20" | 24" x 24" |
|----------------------|-----------|-----------|
| Ipe | ✓ | ✓ |
| Tigerwood | ✓ | ✓ |
| Cumaru | ✓ | ✓ |
| Massaranduba | ✓ | ✓ |

- Quick, easy Installs
- Semi-permanent decking
- Low maintenance
- Simple to remove
- Extremely durable
- 100% natural, chemical-free hardwood

Deck Tile Size Availability

Smooth Surface: 24" x 24" (71cm x 71cm)
Thickness: 1.69" (4,3 cm)
Net Finished Dimensions: 1-11/16" x 23-7/8" x 23-7/8"

Smooth Surface: 20" x 20" (51cm x 51cm)
Thickness: 1.18" (3 cm)
Net Finished Dimensions: 1-3/16" x 19-5/8" x 19-5/8"

IPE (pronounced "ee-pay") is valued for its toughness, strength, and natural resistance to decay, fungus, and pest infestation. Ipe wood is a beautiful rich brown with reddish and amber hues.

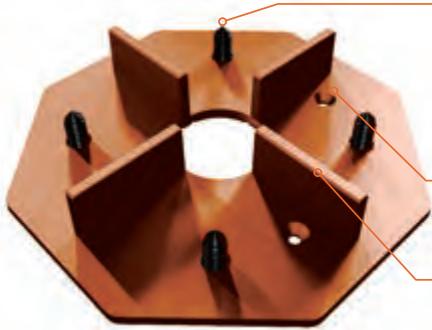
TIGERWOOD has superb hardness and durability, but is best known for its unique color. Deep red and golden brown hues with dramatic dark brown and black streaks give it an exotic look.

CUMARU denseness is comparable to Ipe. Its even, golden brown coloring and moderate price make it an appealing alternate to most high priced hardwoods.

MASSARANDUBA is actually 2X more durable than California Redwood. Massaranduba tiles focus on one thing... a breathtaking velvety red appearance.

HARDWOOD DECK TILE CONNECTORS

Manufactured By DeckWise®



Corner pins secure tile placement.

Elevates the deck tile from the wet subsurface to help prevent wood rot.

Chemical & UV resistant polyethylene.

Pre-drilled countersink holes for easy fastening into a concrete slab or existing wooden deck.

3/16" Preset gap spacing for an even looking surface.

Can be divided into halves or quarters easily with hand tools using the pre-molded score lines.

Center drain hole provides improved drainage for water runoff to prevent pooling in the corners.

Matte texture provides better appearance between gaps.

U.S. Patent Number D665,657

With the DeckWise® Deck Tile Connector System, you never have to worry about loose or uneven gaps between tiles. Each connector comes with a 3/16 inch spacer for perfect spacing between every deck tile. The Deck Tile Connectors have pre-drilled countersink holes ready for fastening to any existing surface or sub-structure.



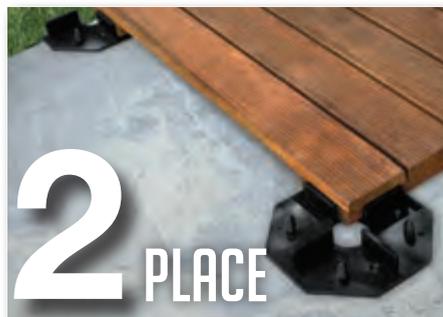
Shadowline Black



Hardwood Brown



Concrete Grey



DECK TILE PEDESTAL ELEVATION SYSTEM

Manufactured By DeckWise®

ALTITUDES PEDESTAL® FOR HARDWOOD DECK TILES



SJB-4156
SCREW-TO-ADJUST PEDESTAL
4-5/32" MIN.

- Screw Jack Base
- Self-leveling head
- Slopes from 0%-5%
- Max height 24"

SPVC-2656
STATIONARY PEDESTAL
2-21/32" MIN.

- Stationary Base
- Self-leveling head
- Slopes from 0%-5%
- Max height 24"

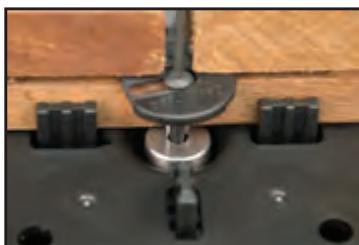
SPVC-15
STATIONARY PEDESTAL
1-1/2" MIN.

- Stationary Base
- Flat head (non-adjustable)
- Short installations
- Max height 24"

The DeckWise® **ALTITUDES PEDESTAL® SYSTEM** has been engineered to build perfectly horizontal decking over underutilized spaces such as sloped roof tops and plaza areas. The Altitudes Pedestal® System enables anyone to easily and quickly build an all-natural hardwood deck surface by elevating 24" x 24" modular hardwood deck tiles over uneven concrete, rooftops, plazas, or walkways. Install deck tiles on sloped or uneven rooftops to hide

pipes, cabling, drains or service ducts without the need to construct extensive sub-framing. Build luxurious decking where it was once impossible into a gorgeous family or party area to enjoy for years to come.

Pedestal systems utilize a head, a base and Schedule 40 PVC pipe to make installations simple for multiple height accommodations (up to 24 inches at their maximum safe height).



Lock-It-Down Washer™

The Lockit Down Washer™ fits into the corner kerf cut slots of each installed deck tile which in turn, lock and hold hardwood deck tiles to the pedestal head.

Deck tiles are also secured to the pedestal with pine tree fasteners, rated up to 166 lbs. of wind hold-down strength.



4" x 2ft.

Schedule 40 PVC Plain End

Convenient pre-cut PVC can be ordered and shipped to make pedestal installations much quicker with less headaches. Pre-cut pieces measure 4" in diameter and are 24" long to allow for maximum pedestal heights as well and multiple smaller PVC support heights for an efficient installation.

Orders can range from single pieces or by the case.

Formula for Calculating Pedestals

24" x 24" Hardwood Deck Tile, 4 sq.ft. per tile
(Net Finished Dimensions: 1-11/16" x 23-7/8" x 23-7/8")

The number of pedestals required for your specific area will depend on the following:

- Total number of hardwood deck tiles used
- The dimensions of the hardwood deck tiles (24" x 24")
- The shape of the installation area. An irregular shaped area will need more pedestals than a square or rectangular shaped area
- Any anticipated heavy load on the deck. Additional pedestals will be needed for support

The formula to the right can be used as a guide.

Always refer to your grid layout.

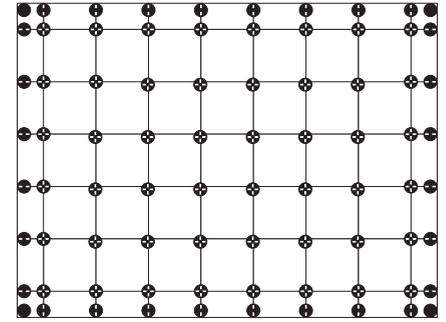
- Count the number of hardwood deck tiles along the width and the length
- Add 1 to each of these deck tile counts
- Multiply these two total numbers together. This will give an approximate minimum number of pedestals for the installation area

Formula Example:

Deck Tiles on Length: $9 + 1 = 10$

Deck Tiles on Width: $7 + 1 = 8$

$10 \times 8 = 80$ Pedestals Needed



Order pedestals at a 3% overage to account for additional installation variances.

Slope & Height Compensation

Altitudes Pedestal™ System can be either fixed height or adjustable and will provide a slope up to 5% and a maximum height compensation up to 24 inches.

1% slope = .120 inches per foot drop

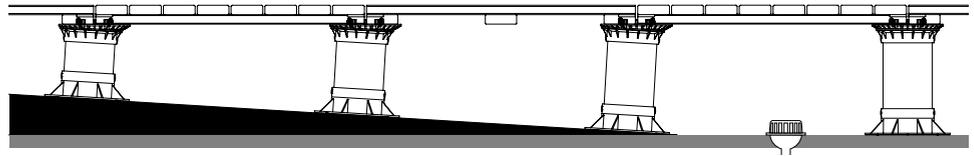
2% slope = .240 inches per foot drop

3% slope = .360 inches per foot drop

4% slope = .480 inches per foot drop

5% slope = .600 inches per foot drop

6% slope not approved



Cut Schedule 40 PVC Pipe

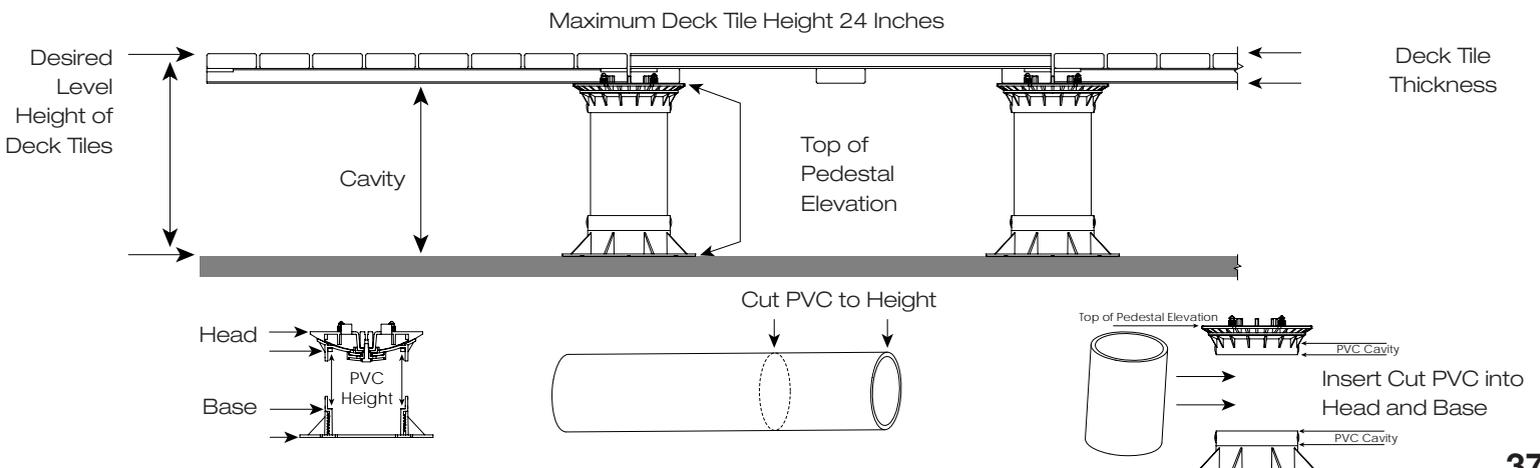
To cut the correct height of PVC; the head, base, and the nominal thickness of the deck tile must be subtracted from the finished elevation of the deck tile surface for accuracy. The screw-to-adjust base will provide final height adjustments. The PVC "press fit" connection of the head and bottom screw-jack base requires no gluing.

PVC Height Formula

Top of Pedestal Elevation - Head & Base (Combined = 2-5/8") = PVC Height
(Note: The 2-5/8" measurement compensates for the head and base PVC insertion cavities.)

Example Formula:

$8-1/2" - 2-5/8" = 5-7/8"$ PVC Length



HARDWOOD

WRENCH™



www.HARDWOODWRENCH.com

10 CONFIGURATIONS

1. Right Hand Single Joist
2. Right Hand Double Joist
3. Right Hand Reverse Handle Single Joist
4. Right Hand Reverse Handle double joist
5. Left Hand Single Joist

Expandable positions for use on single or double joists up to 3.75 in.

Cam locks in place, holding deck boards straight. Can apply up to 1,100 lbs of pushing force.

Handle is reversible for use from left or right hand direction.

Made from aircraft grade, hard-anodized aluminum with stainless steel components.

Ergonomic hardwood handle.

VERSATILE DESIGN

The handle and joist pins can be set up standard or reverse, and from left or right hand directions.

21"

KNURLED JOIST PINS
FOR INCREASED GRIPPING



6. Left Hand Double Joist
7. Left Hand Reverse Handle Single Joist
8. Left Hand Reverse Handle Double Joist
9. Right Hand Furring
10. Left Hand Furring

1 + 10 + 1100 LBS. = **THE ULTIMATE**
TOOL CONFIGURATIONS BENDING FORCE **DECK BOARD STRAIGHTENER**

3-IN-1 DECK BUILDING DRILL BIT SET

Manufactured By DeckWise®

DRILL & DRIVE™



DRILL



FLIP



DRIVE

Use to countersink face screws or for drilling plug holes with pilot holes all in one step.

EVERY DRILL & DRIVE™ KIT INCLUDES:

1 Quick Change Locking Collar

2 1/8" High-speed Drill Bit & 3/8" Countersink Tool with T15 Star Drive Tip

3 **4** **5** 1/8" Drill Bit & 3/8" Countersink

6 On-board Hex Key

7 **8** **9** **10** T15 Star Drive Tip



| | |
|-------------------|-----------------------------------|
| *Replacement | T15 Star Drive Tip |
| *Replacement bits | 1/8" drill bit & 3/8" countersink |

*Sold separately



DECK BOARD SPACER

GAP TOOL

Manufactured By DeckWise®

WiseGuides®

1/8"
(3,2mm)



5/32"
(4mm)



13/64"
(5,2mm)



1/4"
(6,4mm)



5/16"
(8mm)



The special v-blade design of DeckWise® decking spacers prevent denting and marring of hardwood or composite boards when pressed together during installation. Moving laterally in between boards is a breeze thanks to the spacers unique handle.



20 PACK

(20 of any 1 size or an assortment)



6 PACK

(6 of any 1 size)



Board Gap Spacers

| Sizes Available | 1/8" (3,2mm) | 5/32" (4mm) | 13/64" (5,2mm) | 1/4" (6,4mm) | 5/16" (8mm) |
|---------------------------------|------------------------|-----------------------|--------------------------|------------------------|-----------------------|
| 6 pack: 6 of any 1 size | ✓ | ✓ | ✓ | ✓ | ✓ |
| 20 pack: 20 of any 1 size | ✓ | ✓ | ✓ | ✓ | ✓ |
| 20 pack variety: 4 of each size | ✓ | ✓ | ✓ | ✓ | ✓ |

SELF-ADHESIVE FLASHING BARRIER TAPE

Distributed By DeckWise®

WiseWrap®

Waterproof Barrier Protection

DeckWise® WiseWrap® is a flexible polyethylene waterproof flashing and barrier material, with a rubberized asphalt mastic adhesive. Simply apply WiseWrap® to tops of joists, around posts and over ledger boards to protect against wood rot and water damage. WiseWrap® JoistTape™ and LedgerTape® create a waterproof membrane that prevents wood rot and decay caused by moisture coming in contact with both treated and untreated lumber. As an added bonus, self-sealing WiseWrap® is noise dampening and will minimize annoying squeaky deck boards.

WiseWrap® JOISTTAPE™

3" x 75'



Intended Uses

- Wood Joists
- Metal Joists
- Cut Ends

WiseWrap® LEDGERTAPE®

12" x 25'

Intended Uses

- Ledger Boards
- Deck Posts
- Fence Posts
- Mailbox Posts



Prevent Wood Rot!

Corrosion Blocker

When DeckWise® WiseWrap® is placed between ACQ, CA-B, or ACZA treated lumber and metal surfaces, such as galvanized metal and aluminum, it creates a physical barrier that prevents corrosion. Use with most decking materials such as hardwoods, thermal woods, and composite decking.

Super Grip

DeckWise® WiseWrap® “Super Grip” rubberized asphalt adhesive self-seals around screws and nails, blocking a primary pathway for water infiltration. By blocking moisture and preventing wood rot, WiseWrap® maximizes the life of your new deck.



STAINLESS STEEL CABLE RAIL PRE-ASSEMBLED KITS

Distributed By DeckWise®

WiseRail®

For Wood Posts



Decks are constructed in all sizes and shapes. However, there are only a handful of cable runs that can go on those decks; inside-of-post to inside-of-post, inside-of-post to outside-of-post, and outside-of-post to outside-of-post.

WiseRail® hardware is designed specifically for use with cable railings — it has not been adapted from marine hardware. WiseRail® cable railing kits are designed especially for the do-it-yourselfer and professional contractor.

Easy To Install

- Pre-assembled kits come complete, ready to install
- Pre-swaged
- No onsite swaging needed
- 316 Grade 1/8" Stainless Steel Cable

Design Flexibility

- Kits work with wood posts and wood posts with composite sleeves less than 4-1/2" wide
- Invisible fittings hide inside the wood posts, or streamlined for external fittings

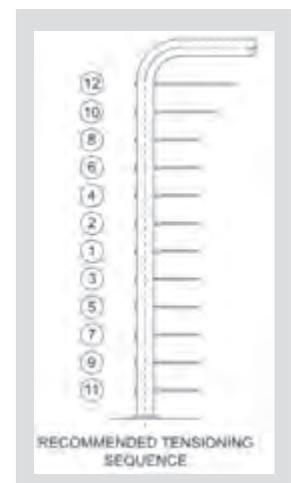
Pre-Assembled WiseRail™ Kits 5 ft. up to 50 ft.

| Kit Series | Model# | Straight Run | Stairs |
|---------------------|------------------------|--------------|--------|
| WiseCable® Legacy | WC-LS 5' up to 50' | ✓ | ✗ |
| WiseCable® Legacy | WC-LSS 5' up to 20' | ✗ | ✓ |
| WiseCable® Estate | WC-ES 5' up to 50' | ✓ | ✓ |
| WiseCable® Heritage | WC-HS 5' up to 50' | ✓ | ✓ |

Equipment & Accessories Sold Separately

- Cable Gripping Pliers
- Post Protector Tube
- Cable Release Tool
- Hanger Bolt Driver
- Cut-off Wheel
- Cable Cutter
- Cable Braces
- SS End Caps

WiseRail® kits come with all necessary hardware for one run. Each 1/8" stainless steel cable has a factory swaged tensioner at one end and the other non-tensioned end is swageless for easy installation. A complete line of cable railing accessories and equipment is available to facilitate cable railing applications.



Complete installation instructions available online at:
www.deckwise.com/deck-cable-railing-kit.com

STAINLESS STEEL CABLE RAIL PRE-ASSEMBLED KITS

Distributed By DeckWise®

WiseRail®

WiseCable® Estate Series

WC-ES

For Straight Runs And Pitches

The Estate Series WC-ES is for wood posts and can be used for straight runs or for stairs. One end of the 1/8" stainless steel cable comes with a pre-attached swaging stud which is threaded into the receiver on one post. The other end is inserted into a pull

lock fitting through a pre-drilled hole in the post. No need to pre-measure the cable, just feed through the pull lock and cut off excess with a cut-off wheel (sold separately). The cable is tensioned by using a hex wrench to turn the receiver.

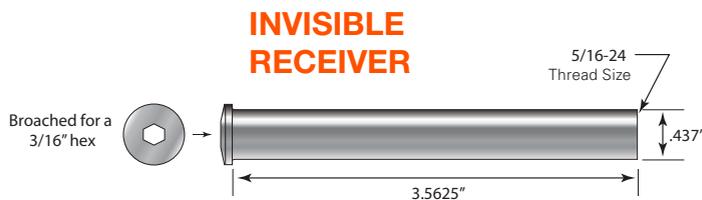
STRAIGHT RUNS

Minimum of 3" clearance on back side of post



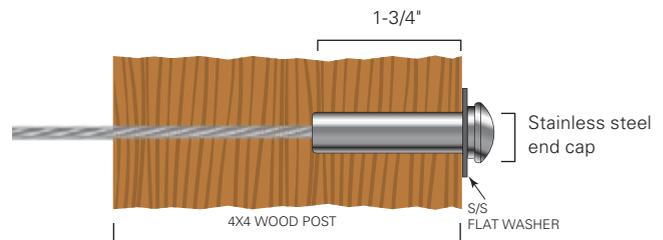
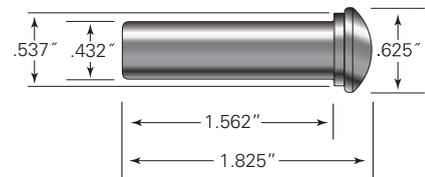
Straight run

Minimum of 1-1/2" clearance needed on back side of post



Drill hole all the way with 29/64" bit

PULL LOCK

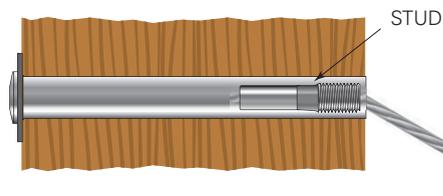


Drill hole all the way with a 5/32" bit then drill 1-3/4" into outside face of post with a 29/64" bit.

Tools Needed For Installation

- 5/32" drill bit if 1/8" cable
- 29/64" drill bit for Receiver and pull lock installation
- 3/16" wrench for tensioning Receiver
- Cable cutting tool
- If using post protector tubes, 1/4" drill bit

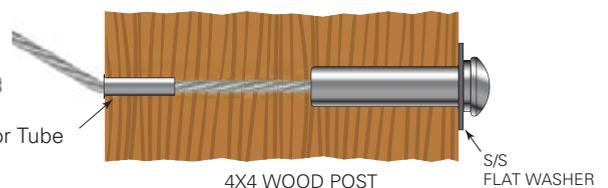
PITCHED RUNS



INVISIBLE RECEIVER



PULL LOCK



A post protector tube (sold separately) must be inserted where the cable enters or exits the post to keep the cable from biting into the wood.

STAINLESS STEEL CABLE RAIL

PRE-ASSEMBLED KITS

Distributed By DeckWise®

WiseRail®

STRAIGHT RUNS

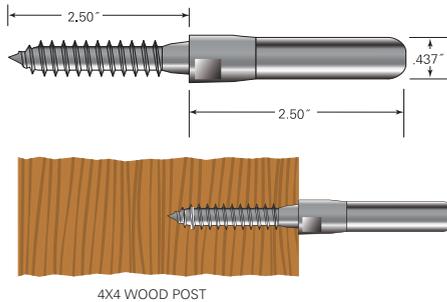
WiseCable® Legacy Series
WC-LS
For Straight Runs

The WiseCable® Legacy Series WC-LS is for straight runs with any type of wood post. One end of the stainless steel cable comes with a pre-swaged ferrule and is inserted into the adjustable body. The adjustable body attaches to the hanger bolt (the

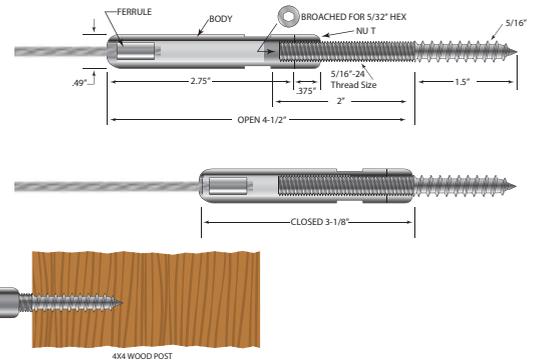
lag thread of the hanger bolt is driven into the inside of the post). The other end of the cable is threaded into the push lock lag.



PUSH LOCK LAG



ADJUSTABLE BODY WITH HANGER BOLT



PITCHED RUNS

WiseCable® Legacy Series
WC-LSS
For Stairs And Pitches

The WiseCable® Legacy Series WC-LSS for stairs is for wood posts and is mounted inside to inside. The adjustable body tensioning device is attached via mounting screw with a lag eye. The other end has a push lock mounted on a lag with a threaded eye.

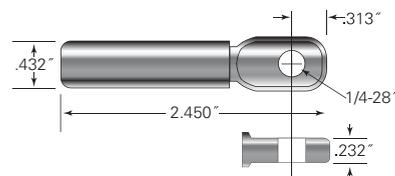
The threaded eye pivots at the lag eye making it ideal for pitched runs.



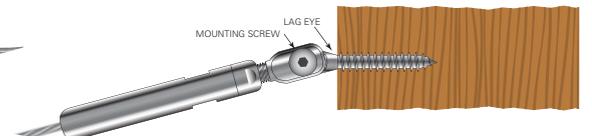
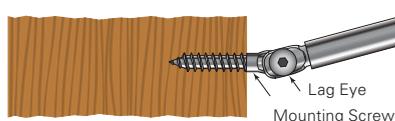
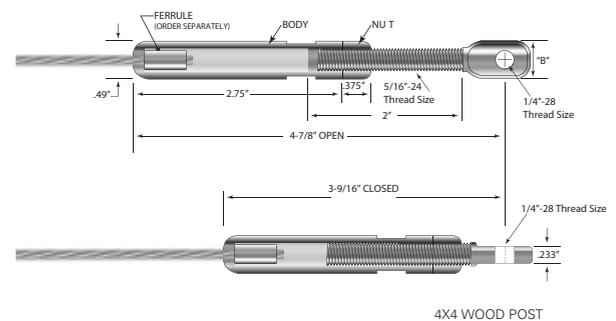
Tools Needed for Installation

- 5/32" drill bit if 1/8" cable, 7/32" if 3/16"
- 9/32 drill bit for lag eye installation
- 7/16" wrench for tensioning
- Adjustable body
- 5/32" hex wrench to tighten mounting screws
- Cable cutting tool
- If using post protector tubes, 1/4" drill bit

PUSH LOCK THREADED EYE AND LAG EYE



ADJUSTABLE BODY WITH THREADED EYE AND LAG EYE



STAINLESS STEEL CABLE RAIL

PRE-ASSEMBLED KITS

Distributed By DeckWise®

WiseRail®

WiseCable® Heritage Series
WC-HS

For Straight Runs And Pitches

The WiseCable® Heritage Series WC-HS is our most economical cable rail kit. The cable is tensioned with a 2-7/8" long threaded stud attached to one end of the cable. The cable is passed through the post and secured

with a brass nut*. The other end of the cable is attached with a pull lock fitting. The Heritage Series can be used on stairs with the installation of post protector tubes where the cable exits at an angle.

* Stainless steel end caps to cover the brass nut are sold separately.

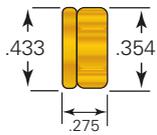
STRAIGHT RUNS

Minimum 2-1/2" clearance on outside of post to install receiver into post.

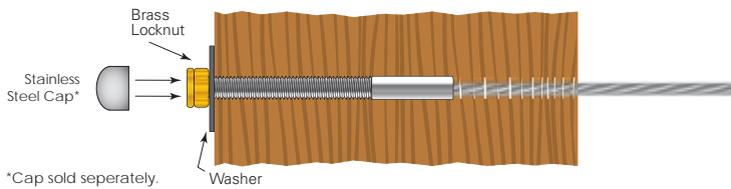


Minimum of 1-1/2" clearance needed on back side of post.

LOCK NUT

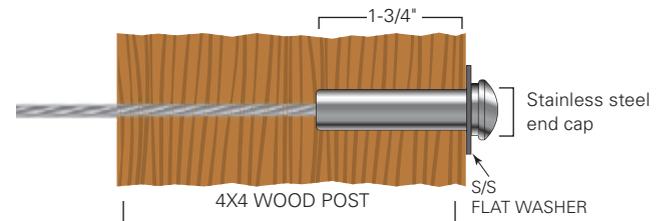
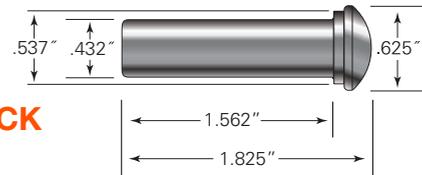


THREADED STUD RECEIVER



*Cap sold separately.

PULL LOCK

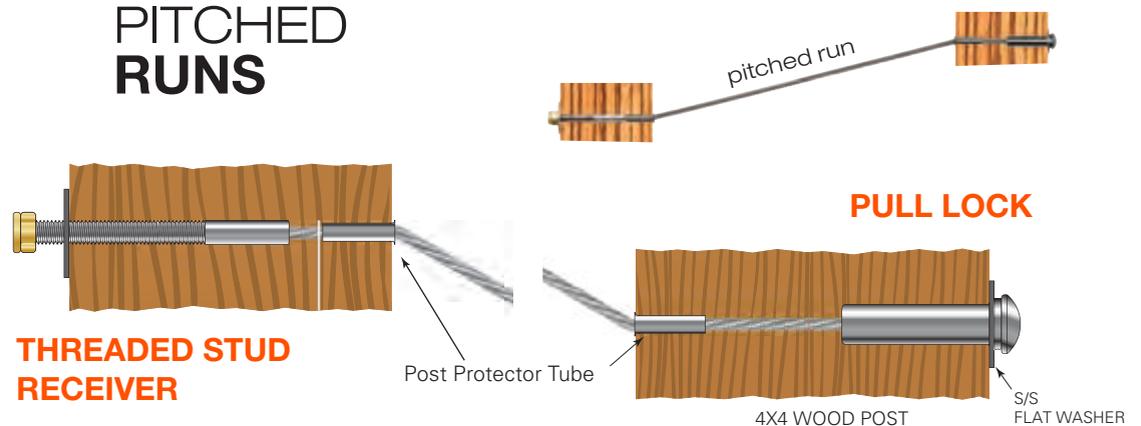


Drill hole all the way with a 5/32" bit then drill 1-3/4" into outside face of post with a 29/64" bit.

Tools Needed For Installation

- 5/32" drill bit
- 9/32" drill bit for threaded stud installation
- 29/64" drill bit for pull lock installation
- 7/32" wrench for holding the stud
- 7/16" wrench for tightening jam nuts
- Cable cutting tool
- If using post protector tubes, 1/4" drill bit

PITCHED RUNS



A post protector tube (sold separately) must be inserted where the cable enters or exits the post to keep the cable from biting into the wood.

DECKING TOOLS & ACCESSORIES

Distributed By DeckWise®

ROUTER BITS

These 4-WING slot cutter bits have been specifically designed to create an edge-mount groove to accept Ipe Clip® Hidden Deck Fasteners. The 4-wing design provides a smooth cut for creating slot grooves in hardwood decking material. Also perfect for thermally treated woods and some composites. Fits most standard router devices.



| Sizes Available | 5/32" 4-WING SLOT CUTTER BITS | | |
|-------------------------------|-------------------------------|--|--|
| 1/2" Arbor (12,7mm) | | | Blade diameter - 1-7/8" Slot Width (A) - 5/32" Slot Depth (B) - 1/2" |
| 1/4" Arbor (6,4mm) | | | Blade diameter - 1-7/8" Slot Width (A) - 5/32" Slot Depth (B) - 1/2" |

Warning: Do not use bit if dull, cracked or damaged. Bits exceeding 1" diameter should be mounted in a router table. Never exceed maximum (16,000 RPM) recommended for this bit. (Visit www.deckwise.com/safety for additional safety instructions.)

SYMMETRICAL GROOVES

Cutting a symmetrical groove profile allows boards to be reversed and/or flipped to put the best side up. Whether using pre-grooved deck boards or cutting groove slots on the job, the DeckWise® Hidden Deck Fastener Clip fits perfectly within the edge groove and allows just the right amount of tolerance for an easy installation.

DECK GROOVE PROFILE



A = 5/32"

B = 1/2"

C = Measurement of deck board thickness

D = (C-A)/2 Note: this will center the groove in the board

Cut slots with hand held router.



Groove along the entire board.



Mount on table router.



DECKING TOOLS & ACCESSORIES

Distributed By DeckWise®

PREMIUM HARDWOOD PLUG CUTTER

Conveniently cut
hardwood plugs
on the job site.

- Anti-Skate Design
- Self Centering Guide Pin
- Extra Sharp Teeth for Cutting Hardwoods
- Made of Premium Alloy Steel
- Use With Hand-Held Drill or Drill Press



Warning: To reduce the risk of injury, read and understand the operator's manual for your power tool before use. Always wear eye protection.



STEP 1 - ATTACH TO DRILL

Attach to any hand-held electric, battery powered drill or can also be used with a drill press.



STEP 2 - INSERT POINT

Remove the plastic pin protective cover. Insert the retractable point into wood to help steady the bit.



STEP 3 - CUT PLUG

Secure the scrap piece of wood you will be cutting the plugs out of with a clamp. Slowly increase the drill speed until the teeth begin to cut and then increase to max speed until you have reached a depth of about 3/8\" data-bbox="377 659 757 739"/>



STEP 4 - REMOVE PLUG

Snap the plug loose by inserting a flat head screwdriver or a small chisel in the cut and push it against the plug along the grain. Snapping against the grain results in the plug breaking uneven and too short to use.



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Manufacturers of Hidden Deck Fasteners & Accessories



NORTH AMERICAN
ADMINISTRATION &
MANUFACTURING FACILITY

DeckWise®
The Ipe Clip® Fastener Company
2111 58th Ave East
Bradenton, FL 34203

Phone Number: 941-896-9851
Toll Free Number: 866-427-2547
Fax Number: 941-896-9858

