

SIMPSON

Strong-Tie

®

**DIY
DONE
RIGHT**



**We Make Your Home
Projects Easier.**

- Storage
- Fences
- Repairs
- Decks and More!

800-999-5099 | www.strongtie.com



Simpson Strong-Tie® gives to take on any project with

DIY is the way to go these days. You save money, and you can custom build anything to fit your exact needs, wants and wishes. So, no matter what home improvement project you take on, if you want professional results, then do it the professional way – use connectors.

Contractors have been using Simpson Strong-Tie® connectors for years. Why? Because they know that if they use Simpson Strong-Tie connectors their projects will be faster and easier and the end result will be long lasting, safe and strong. Simpson Strong-Tie also offers home improvement inspiration, plans and tool lists for almost any type of project, from decks and patio covers to sheds, fences and more. So go on, take on any project with confidence. Simpson Strong-Tie is here to help you do it right and get the professional look and results you're after.

Build Anything. Your Way. Done Right.

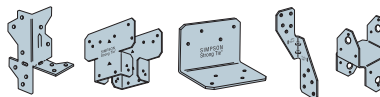
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EASY TO USE

Our connectors are designed for specific applications.

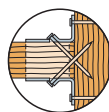
No more guessing what you need!



SAFE & SECURE

Our connectors add an extra layer of strength to any project, ensuring optimal support.

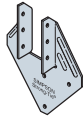
Heavy loads? No worries.



you everything you need confidence.

ACCURATE

Our connectors and fasteners are engineered to help you align



your lumber correctly, with ease. No more angled-screw and nail struggles! No more positioning problems!



STRONG

Our connectors and fasteners are load tested to ensure they perform as intended and meet building code requirements.

All your hard work will last for a long time.



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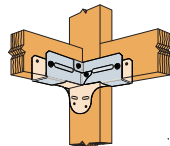
Get The Garage Of Your Dreams.

Wouldn't it be great if your garage could double as a studio space, workshop or a sleek storage center for all your gizmos and gadgets? Well, dream no more. Simpson Strong-Tie helps you build your perfect garage with ease. Our connectors and fasteners are specifically designed for workspace and space-saving projects, so you can enjoy:

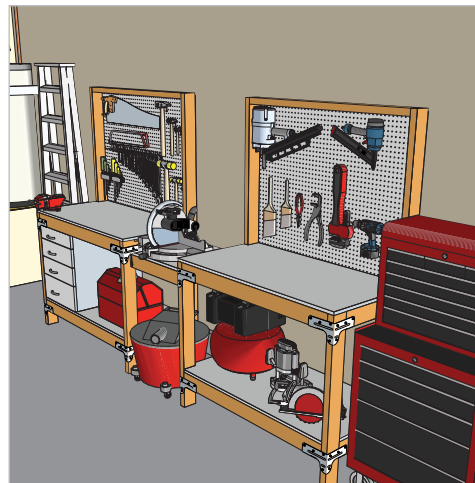
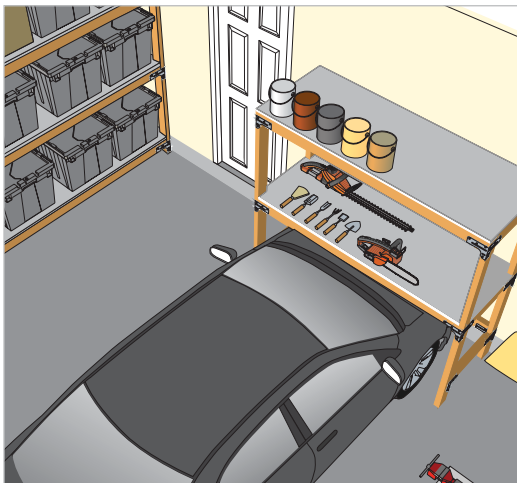
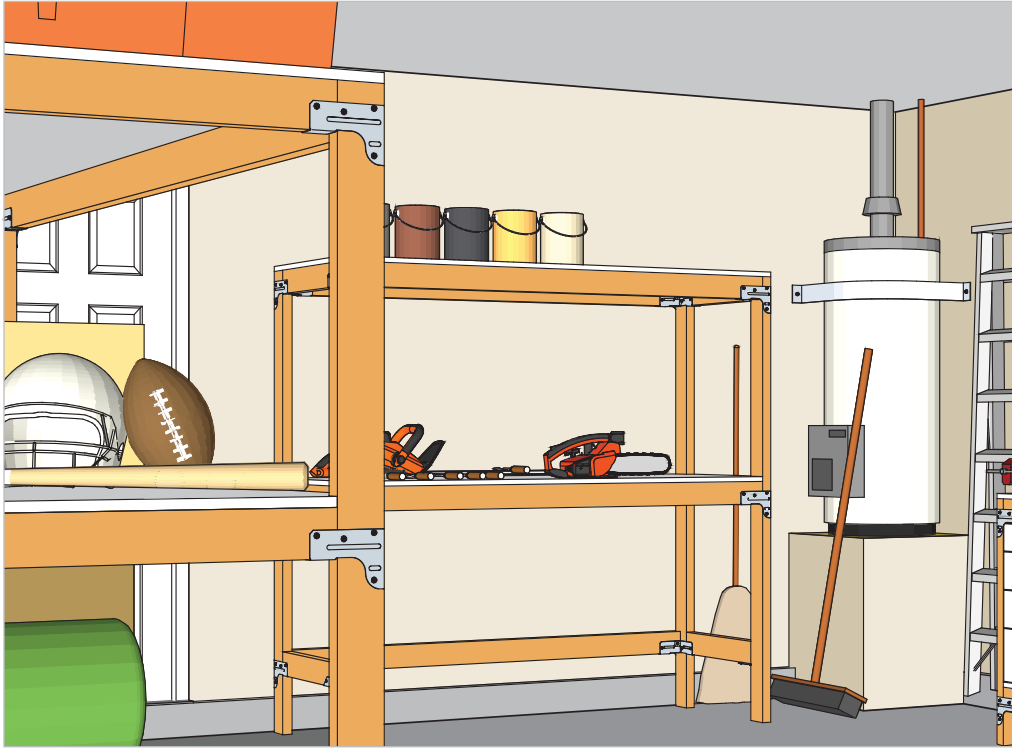
- Easier installation compared to using just screws and nails
- Professional looks and results that work for long-term strength
- Spending less money than hiring a contractor or using a pre-built garage storage system

Build Anything. Your Way. Done Right.

For more garage inspiration and project plans visit
www.strongtie.com/diydoneright



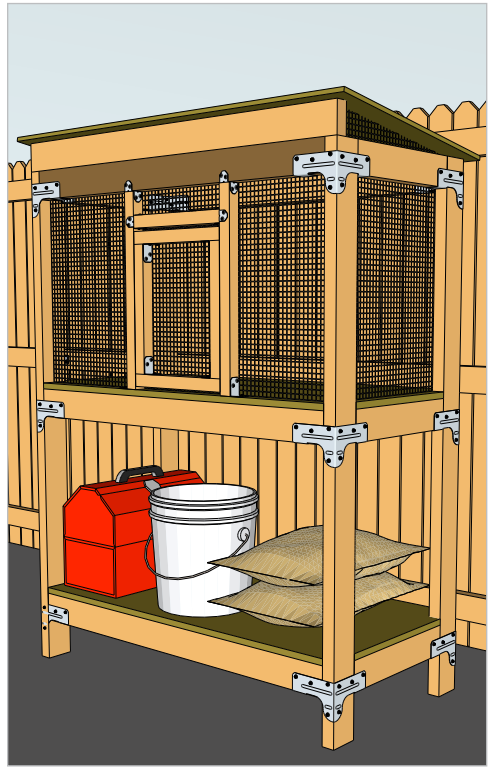
The new Rigid Tie® RTC2Z
Corner Connector –
One product with the
power to organize
your entire garage!



OVER-CAR SHELVING, FOR ADDITIONAL SPACE

HEAVY-DUTY WORKBENCHES, FOR MAXIMUM DURABILITY

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PET PEN, RAISED FOR SAFETY AND SHELTER

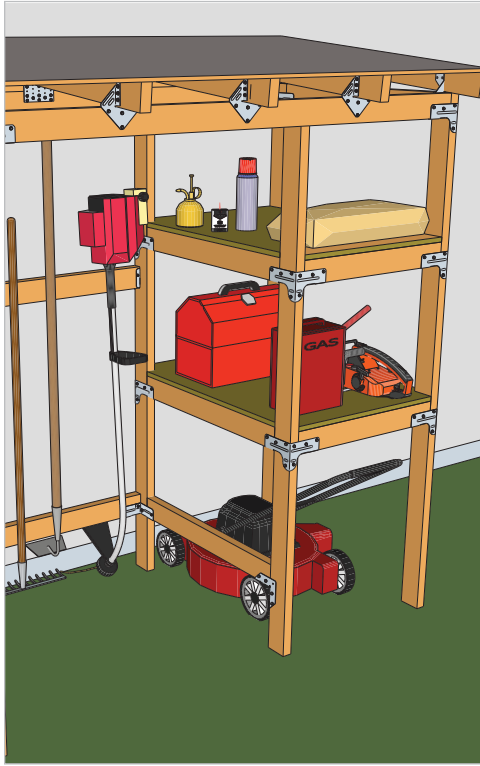
Organize Your **Outdoors.**

From lawn mowers and fire logs to gardening supplies and homes for our furry friends – backyards can get cluttered. Simpson Strong-Tie® Rigid Tie® connectors make it easy for you to get all your outdoor goods out of sight, out of mind. Here's three simple project ideas that all:

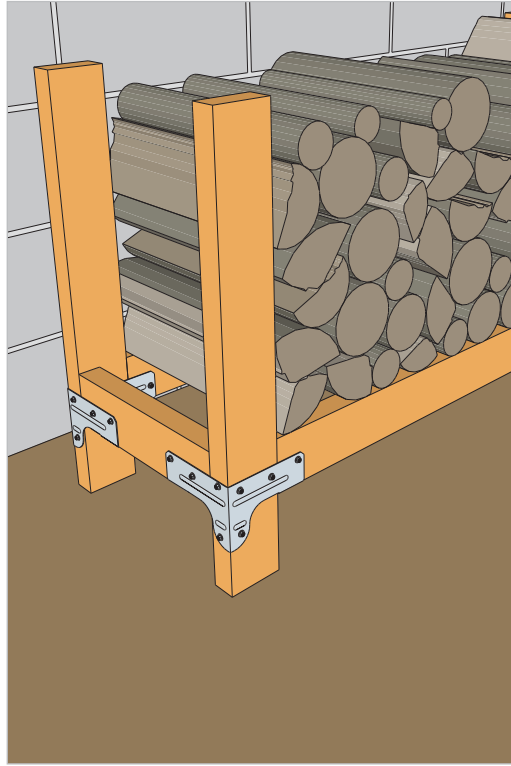
- Can be completed, from start to finish, in just one day
- Can be customized to your needs
- Keep things safe and organized, tucked away from weather

Build Anything. Your Way. Done Right.

For more outdoor project ideas and plans visit www.strongtie.com/diydoneright



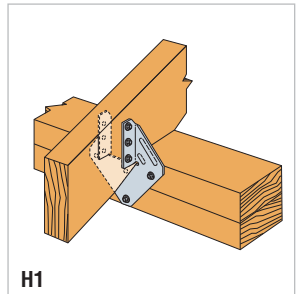
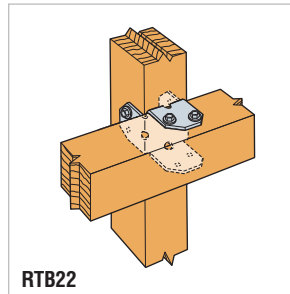
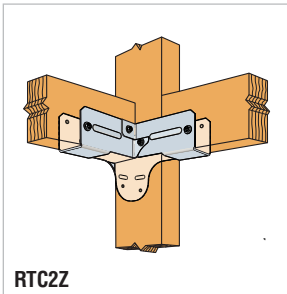
STORAGE CENTER, TO ORGANIZE TOOLS AND SUPPLIES



LOGHOLDER, TO STORE MORE IN LESS SPACE

Create strong, secure attachments that support almost anything.

Connectors are easy to install and strong enough to support even the heaviest boxes, tools or machinery, and can be finished with paint to blend with the style of your home.



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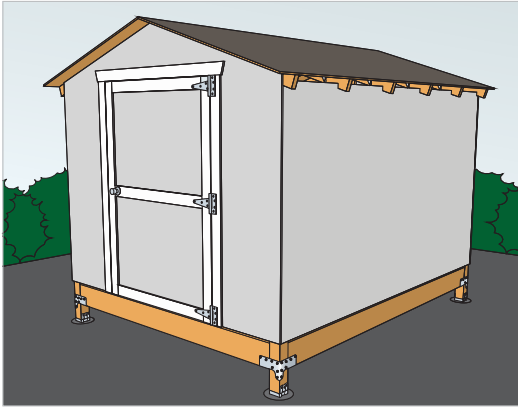
Create Mini **Getaways.**

Everyone deserves a little escape, a place where they can retreat. So build your children a clubhouse. Give Fido the doghouse of his dreams. Or build yourself a shed getaway for your creative crafts, music, work or extra storage. Whatever you want your shed to be, Simpson Strong-Tie® connectors are engineered to help you:

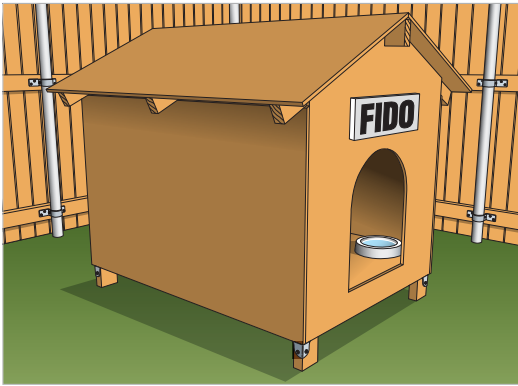
- Easily build a strong frame and foundation that has the structural strength to support your needs
- Customize anything, so you don't have to settle for something standard

Build Anything. Your Way. Done Right.

For more shed ideas and project plans visit www.strongtie.com/diydoneright



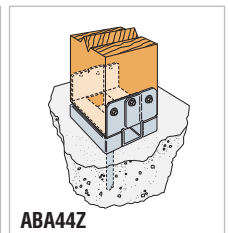
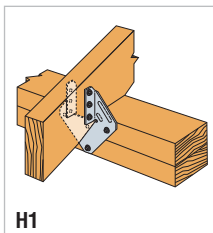
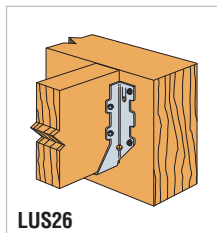
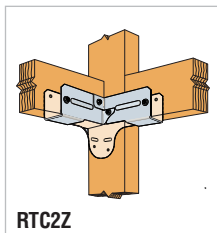
UTILITY SHED,
TO KEEP TOOLS
AND SUPPLIES
PROTECTED AND SAFE



DREAM DOGHOUSE,
FOR RAIN OR SHINE
SHELTER

Build strong frames with ease.

Rigid Tie® RTC2Z corner connectors make it easy to put together basic frames, simplifying the assembly of the floor and walls while providing a strong structure.





Build Your Own **Resort.**

What if you didn't have to leave home to feel like you were on vacation? Well, it's possible! Simpson Strong-Tie helps you transform your yard into a resort with ease. Add a patio cover, and instantly you've got an extra room in which to lounge, entertain and take shelter from the sun. Add a trellis or two, and you'll instantly add touches of tranquility and style. Our connectors and fasteners are perfect for outdoor projects because they:

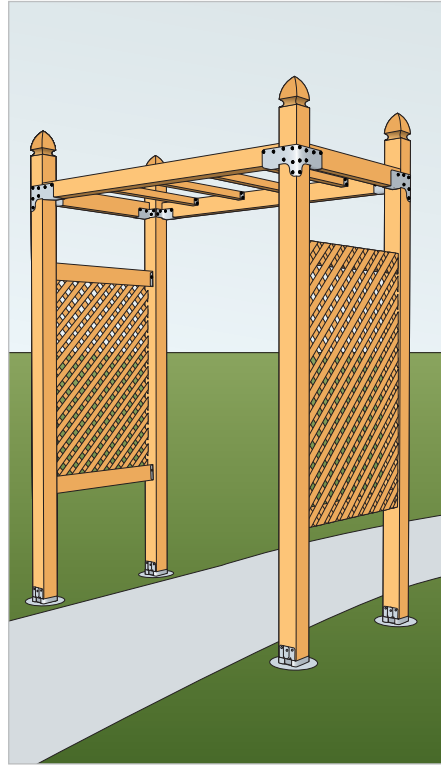
- Make vital connections stronger and easier to build
- Ensure you meet or exceed local building-code requirements
- Optimize safety, adding an extra layer of support to key connections

Build Anything. Your Way. Done Right.

For more patio ideas and project plans visit www.strongtie.com/diydoneright



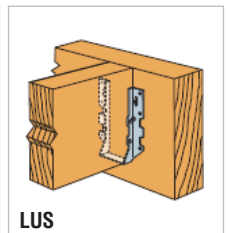
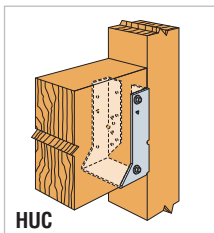
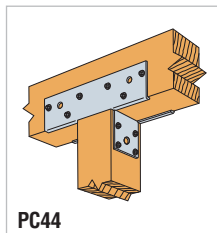
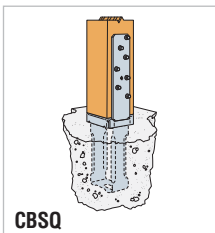
DETACHED PATIO COVER, FOR MORE ROOM TO PLAY IN THE SHADE



TRELLIS, FOR ADDED FLAIR

Build safer, stronger overhead structures.

Connectors add the extra strength and support needed for safe, long lasting outdoor structures.





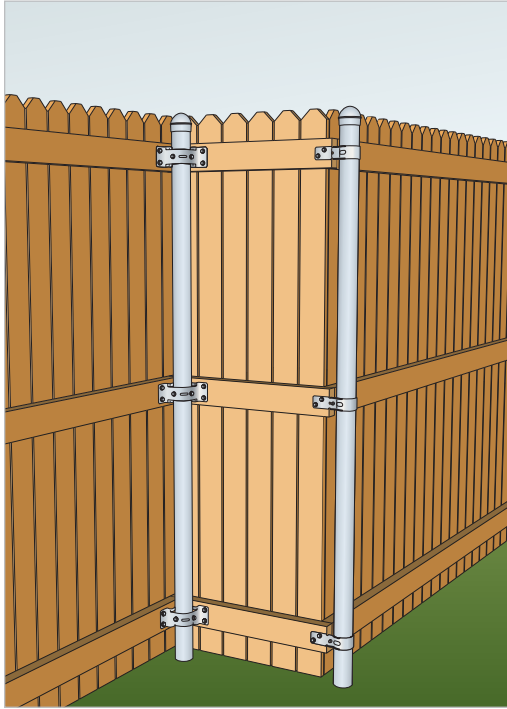
Fence Yourself In. **Just Do It!**

If your fence is beyond repair or if you just don't have a fence, build one! They provide big-time benefits you can't refuse. They give you more peace and privacy. They add charm and curb appeal. They keep the kids and pets out of harms way. Best of all, Simpson Strong-Tie makes it affordable for you to build a fence that will withstand the test of time, so you can have the best of times. Building a fence with Simpson Strong-Tie® connectors:

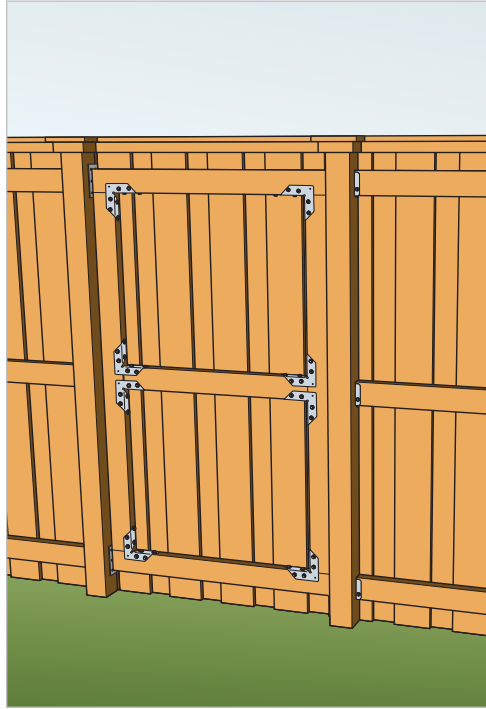
- Saves you the cost of hiring a contractor
- Saves on long-term costs, adding strength that minimizes repairs, such as sagging gates and rails
- Brings money back home, maximizes the appeal of your home

Build Anything. Your Way. Done Right.

For more fence inspiration visit www.strongtie.com/diydoneright



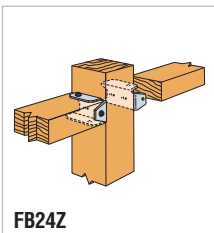
STRONG FENCES, FOR SECURITY AND PRIVACY



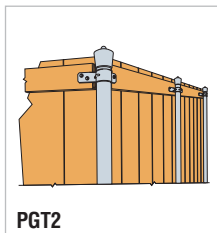
STURDY GATES, THAT WON'T SAG OVER TIME.

Build sturdy fences that stand up to the elements.

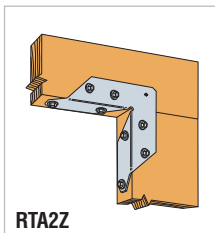
Connectors engineered to be strong, corrosion resistant and easy to install.



FB24Z



PGT2



RTA2Z



E-Z™ Spike

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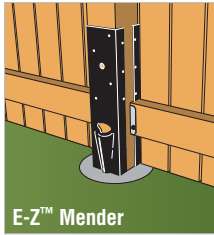


Freshen Up **Your Fence.**

From fixing rotted posts to reinforcing sagging gates and damaged rails, Simpson Strong-Tie makes it easy for you to get your fence back in shape and your home back to looking its best. Simpson Strong-Tie offers a line of products designed specifically to help you make some of the most common fence repairs, easily and economically.

Build Anything. Your Way. Done Right.

For more fence repair insights visit www.strongtie.com/diydoneright

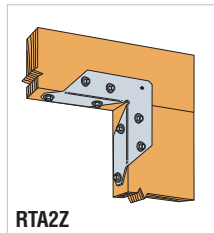


E-Z™ Mender
 REINFORCES
 EXISTING POSTS



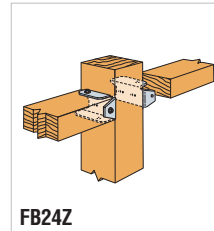
E-Z™ Spike
 REPLACES
 UNSALVAGEABLE POSTS

WOBBLY OR DAMAGED POSTS are typically the result of rotting at the base, and although it appears to be a daunting repair, it can be fairly simple and fast when you use Simpson Strong-Tie® E-Z Mender™ and E-Z Spike™ products.



RTA2
 90° ANGLE REINFORCEMENT

SAGGING GATES that are hard to latch shut are often a result of the gate going out of square over time. Simpson Strong-Tie® offers the Rigid Tie® RTA2 right-angle connector, which reinforces the frame of the gate helping it resist the forces of gravity for many years to come.



FB24Z
 GALVANIZED FOR PROTECTION
 AGAINST CORROSION

BROKEN OR DAMAGED RAILS typically occur due to the wood around screws or nails rotting. Depending on how badly rotted the joint is, our corrosion-resistant FB24 fence brackets allow you to quickly and easily mend your fence and minimize future damage without replacing the entire rail.

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Deck It Out! **Safe And Strong.**

Double up on your spaces to sprawl out, entertain and relax while enjoying the great outdoors by adding a deck to your home. Simpson Strong-Tie gives you the information you need to build or buy a safe, strong deck so you can start doubling up on fun. All of our connectors are specially designed to:

- Comply with various building codes for maximum safety
- Accommodate any deck design
- Ensure simplified installation
- Optimize long-lasting strength and structural support

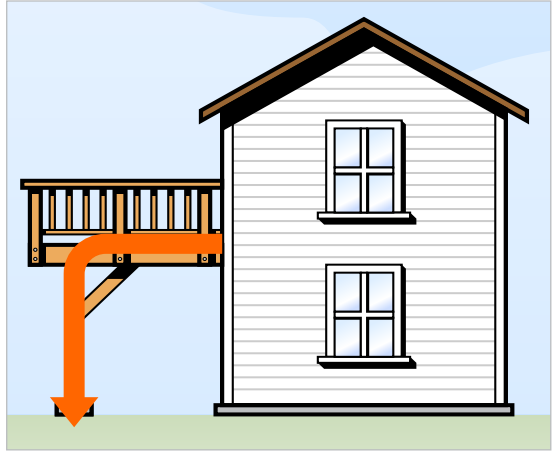
Build Anything. Your Way. Done Right.

For more deck ideas and info visit www.strongtie.com/diydoneright



Deck Do's And Must Knows

Whether you're looking to build a deck yourself or hire a contractor to build one for you, there are several vital steps you should take to ensure you end up with a structurally-sound deck that will safely support your friends, family and furniture.



1. Ensure A Continuous Load Path is Created

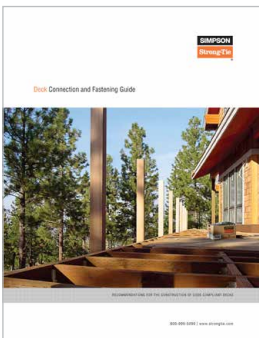
A system of key connections throughout the deck framing, known as a continuous load path, is essential to building a safe deck. This will transfer the weight on the deck to the ground and an adjacent structure, like the home.

2. Make Sure It's Built To Code

Your local building department will have building code information available to help you build your deck for optimal safety and code compliance.

3. Get A Building Permit

This will ensure you have a workable design, which can save time and minimize potential problems.



OUR DECK FRAMING CONNECTION AND FASTENING GUIDE OFFERS STEP-BY-STEP INSTRUCTIONS ON USING CONNECTORS TO BUILD SAFE, CODE-COMPLIANT DECKS.



Is Your Existing Deck **Safe?**

If your deck is more than ten years old, or missing key connections, it's a good idea to inspect it to make sure it's safe for you and your family. Here are some common signs you can look for to determine the overall safety of your deck.

- Rot around the edges of your deck frame
- Weak or loose rails or posts
- Soft or spongy spots on your deck surface
- Corroded connectors and fasteners
- Missing, loose, or improper connections
- Large cracks

If you are still unsure about the safety of your deck, consult with a professional.

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For more repair solutions visit www.strongtie.com/diydoneright

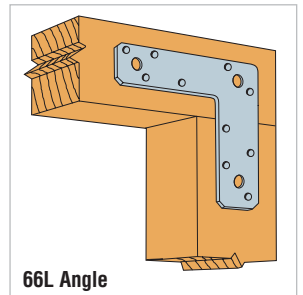
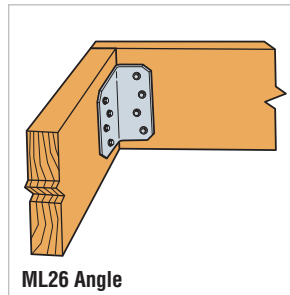
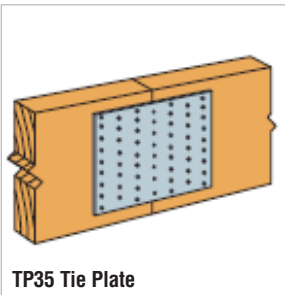
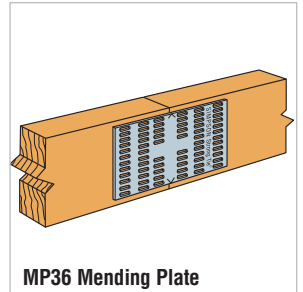
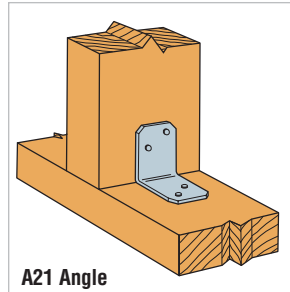
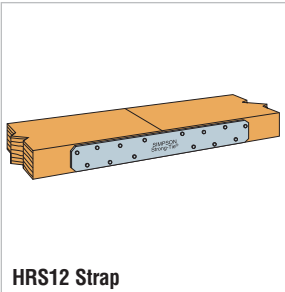
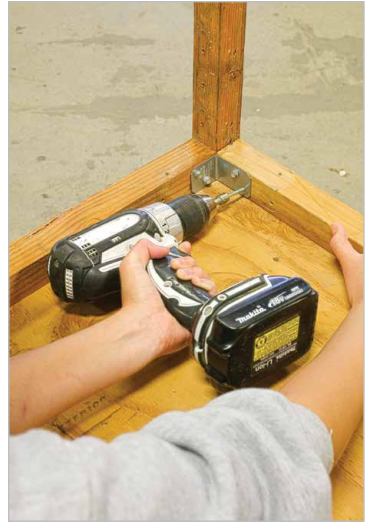
Little Fixes, Big Savings.

Stop putting off those small repairs you've been meaning to tackle. Simpson Strong-Tie® connectors make it easy and simple for you to rejuvenate rickety, weak and wobbly household favorites, saving you the cost of replacing them.

- Loose table or chair legs
- Rickety picnic tables, outdoor furniture
- Wobbly stair treads
- Unstable cabinets or bookcases

Look for the connectors below, chances are, one or more of these will help you fix up any household item where two pieces of wood come together.

Build Anything. Your Way. Done Right.

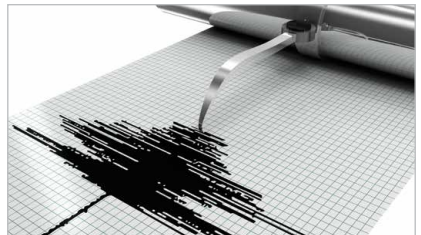




Protect Your Family Against Natural Disasters.

Natural disasters can happen anytime and anywhere, so if protecting your family and home are your top priority, Simpson Strong-Tie can help.

Build Anything. Your Way. Done Right.

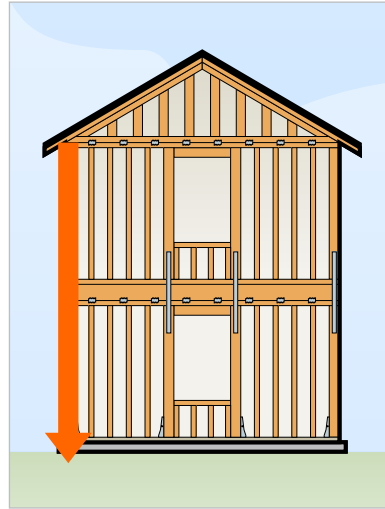


For more info on how to reinforce your home visit www.strongtie.com/diydoneright



When Building Or Remodeling, Ensure Your Home Is Built To Be Disaster Resistant.

From high winds to earthquakes, the most important step you can take to protect your family against the effects of natural disasters is to ensure your home is securely anchored from roof to foundation. This is called building a “continuous load path,” and requires the use of structural connectors at key points within the structure, increasing strength and resilience.



Strengthen Your Existing Home Without Major Construction.

If you are not looking to build new or remodel, here are several affordable, simple things you can do now to reinforce the areas of your home most vulnerable to high-wind and seismic events.

- Secure the roof to the top of the wall (high wind).
- Anchor the mudsill to the foundation and reinforce cripple walls (seismic).
- Strengthen entryway and garage doors (high wind).
- Replace existing windows with impact-resistant window systems, or install storm shutters (high wind).

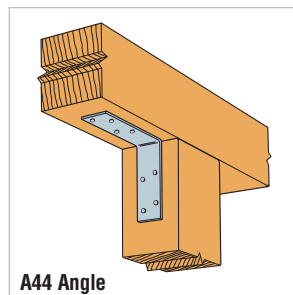
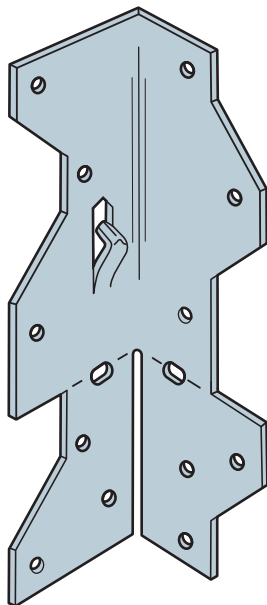
Whatever reinforcement precautions you want to take, Simpson Strong-Tie offers you the best high-wind and earthquake-resistant solutions available. All products are made with strong, high-quality materials and meet or exceed code requirements for safety.

Strengthen and join two pieces of wood at an angle.

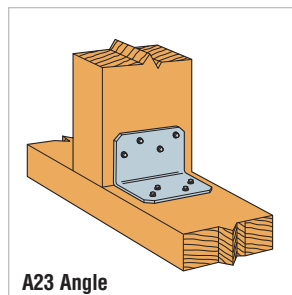
Strong solutions ideal for 45° or 90° angles.

Not only do angles make joints stronger, they also provide more consistent, straight corners. We offer a wide variety of angles in various sizes and thicknesses to handle light-duty jobs or projects where a structural connection is needed. Some can be bent (skewed) to match the project.

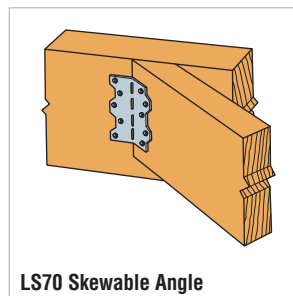
For outdoor projects, or those where moisture is present, use our ZMAX® zinc-coated connectors, which provide extra resistance against corrosion (look for a “Z” at the end of the model number).



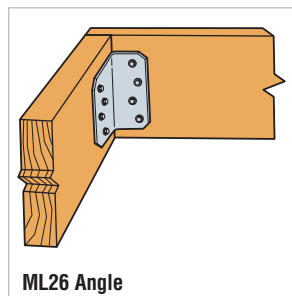
A44 Angle



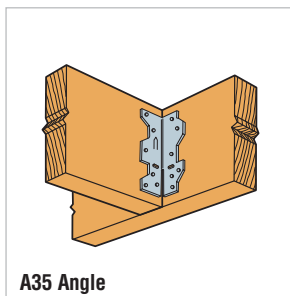
A23 Angle



LS70 Skewable Angle



ML26 Angle



A35 Angle



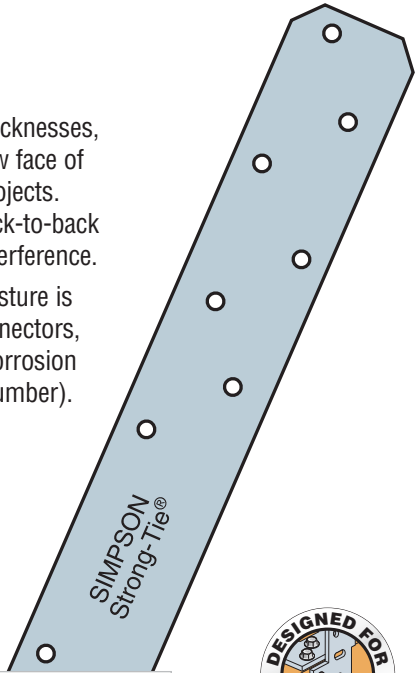
Install our connectors with our Strong-Drive® SD screws for added installation ease. See page 30.

Join and reinforce joints.

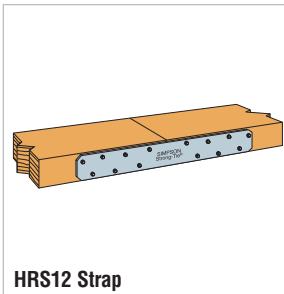
Simple, versatile solutions for a wide range of connections.

Available in many lengths, widths and thicknesses, straps can be used on the wide or narrow face of lumber for light repairs or heavy-duty projects. Many straps are designed to be used back-to-back on a piece of lumber without fastener interference.

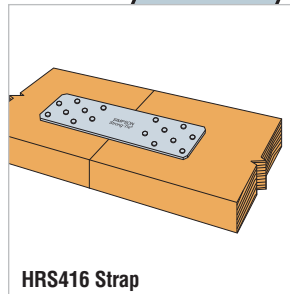
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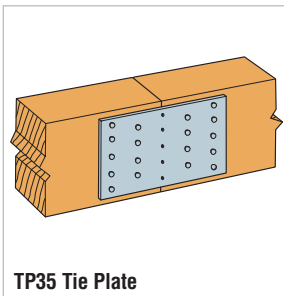
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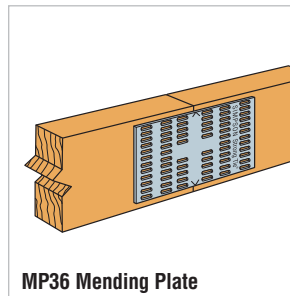
HRS12 Strap



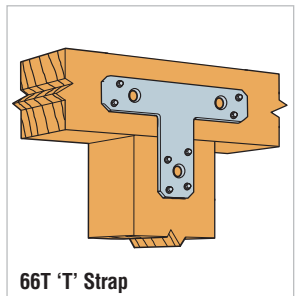
HRS416 Strap



TP35 Tie Plate



MP36 Mending Plate



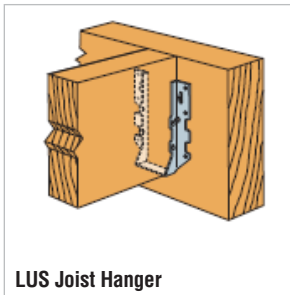
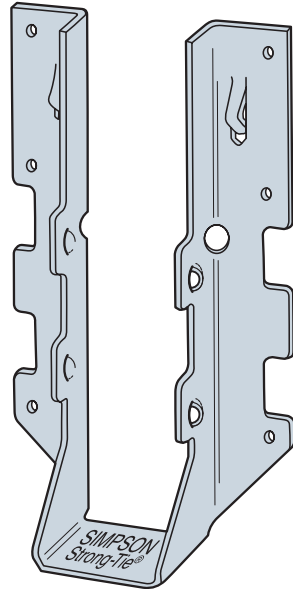
66T 'T' Strap

Join wood members that need to resist downward force.

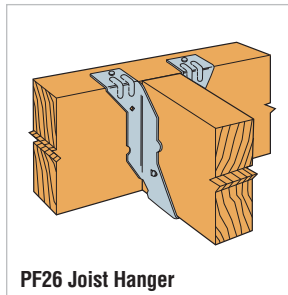
Ideal for floors, decks and roofs.

Joist hangers are designed to provide support underneath the joist, rafter or beam to provide a strong connection. Simpson Strong-Tie® offers a diverse line of hangers to handle almost any application with top flange, concealed flange and field skewable and slopeable options.

For outdoor projects, or those where moisture is present, use our ZMAX® zinc-coated connectors, which provide extra resistance against corrosion (look for a “Z” at the end of the model number).



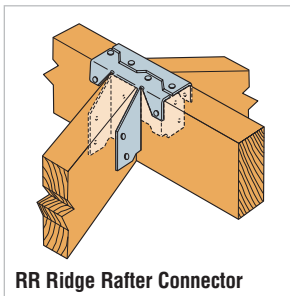
LUS Joist Hanger



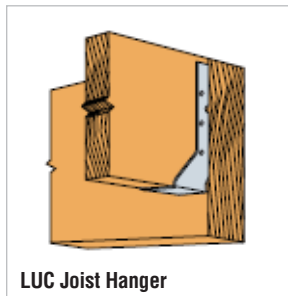
PF26 Joist Hanger



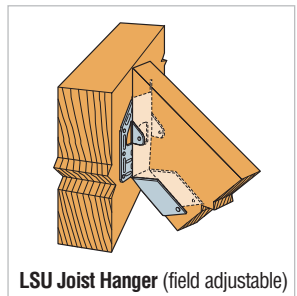
Install our connectors with our Strong-Drive® SD screws for added installation ease. See page 30.



RR Ridge Rafter Connector



LUC Joist Hanger



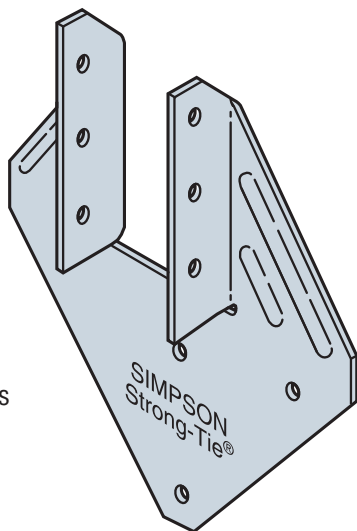
LSU Joist Hanger (field adjustable)

Connect rafters or trusses to the tops of walls and where one member crosses another.

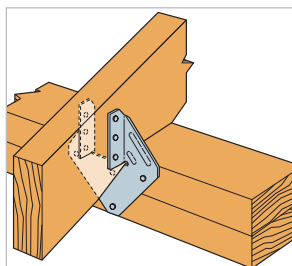
Designed to increase structural integrity of decks and roof connections.

High-wind ties are versatile, easy to install and stronger than angled screws and nails. While commonly used to connect the roof rafters or trusses to the top of the walls, these versatile connectors are suitable for a variety of projects where one member crosses another. From models that support one side of the beam to those that support both sides, Simpson Strong-Tie® offers an extensive selection of tie solutions that will help you achieve any connection you need.

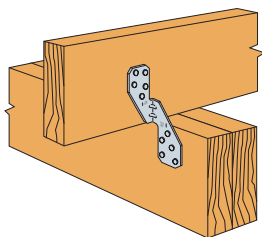
For outdoor projects or those where moisture is present, use our ZMAX® zinc-coated connectors, which provide extra resistance against corrosion (look for a “Z” at the end of the model number).



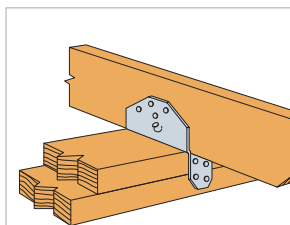
Install our connectors with our Strong-Drive® SD screws for added installation ease. See page 30.



H1 Tie



H2.5A Tie



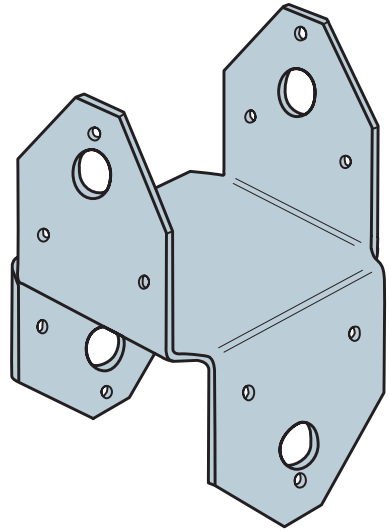
HS25 Tie

Connect tops of posts to members for a secure connection.

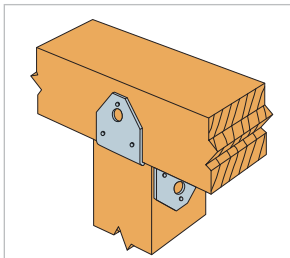
Ideal for new or retrofit applications where structural support is needed.

Post caps are available in a variety of one-piece caps for new construction and two-piece options for retrofit of existing connections.

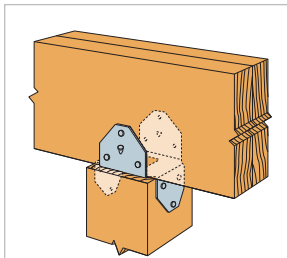
For outdoor projects, or those where moisture is present, use our ZMAX® zinc-coated connectors, which provide extra resistance against corrosion (look for a “Z” at the end of the model number).



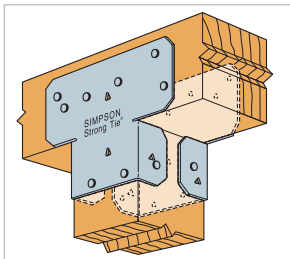
Install our connectors with our Strong-Drive® SD screws for added installation ease. See page 30.



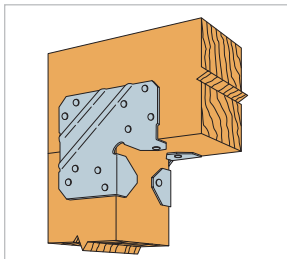
BC4 Post Cap (single 4x beam)



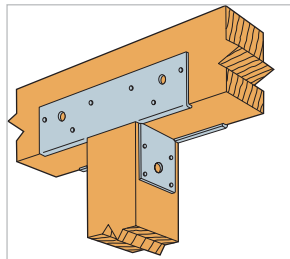
BCS Post Cap (double 2x beam)



AC4 Post Cap



LCE4 Post Cap



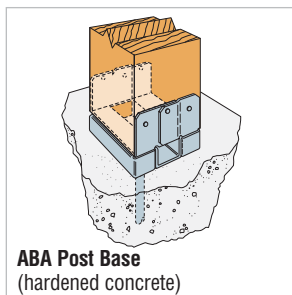
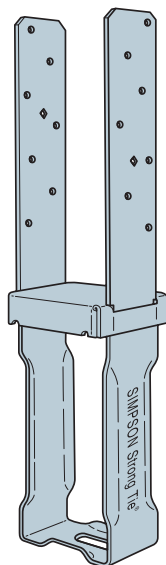
PC44 Post Cap

Secure bottom of posts or columns to concrete.

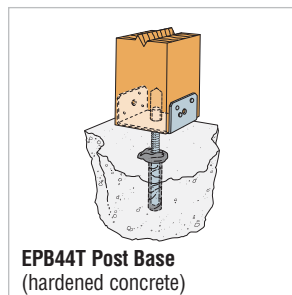
Perfect for decks or patio covers.

Models are available for attaching to existing hardened concrete, wet concrete, as well as wood. The AB series also offers adjustability around the anchor bolt to achieve optimum post placement. And many models provide a 1" standoff from the concrete to help avoid post-end rot from moisture.

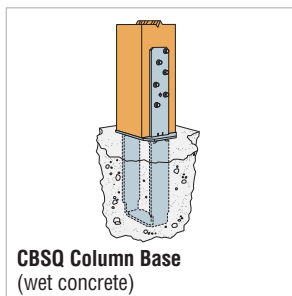
For outdoor projects, or those where moisture is present, use our ZMAX® zinc-coated connectors, which provide extra resistance against corrosion (look for a “Z” at the end of the model number).



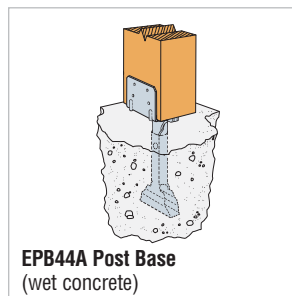
ABA Post Base
(hardened concrete)



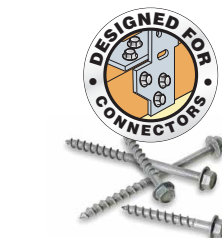
EPB44T Post Base
(hardened concrete)



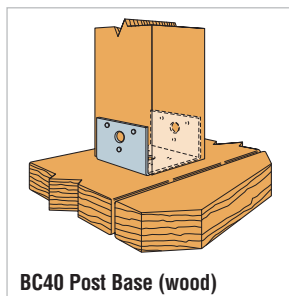
CBSQ Column Base
(wet concrete)



EPB44A Post Base
(wet concrete)



Install our connectors with our Strong-Drive® SD screws for added installation ease. See page 30.

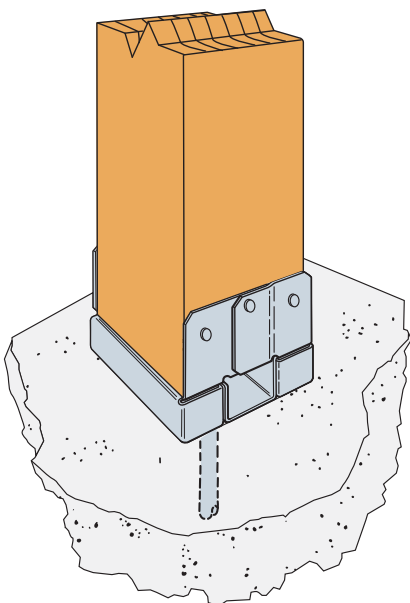


BC40 Post Base (wood)

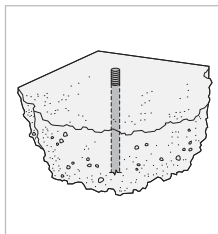
Easily install a post base.

Commonly used for decks or raised structures.

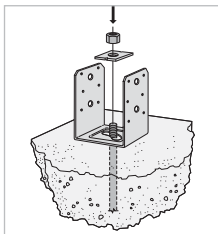
Post bases are fully adjustable and offer moisture protection and a finished appearance. Installing posts correctly is one of the most important steps toward ensuring you are building safe, long-lasting decks, patio covers or any projects that require attaching a post to concrete. It's a fairly easy process, if you follow the four simple steps below.



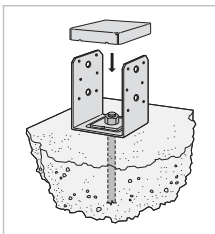
Post Base Installation



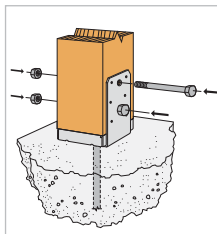
Install the anchor bolt. (See website for diameter and required embedment.)



Place the base, load transfer plate and nut on the anchor bolt.



Finalize base position, tighten nut and install the standoff. (If your post base features an open-sided standoff, the nut can be tightened after the post is installed.)



Insert post into the base and install the correct fasteners, filling all holes. (Some models may require that the fourth side of the base be bent up before fastening.)

Easy-to-install anchoring solutions.

When you need high-strength anchorage in concrete and masonry.

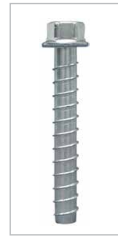
Simpson Strong-Tie makes it easy to use anchoring adhesive to fasten the threaded rod into existing concrete and masonry.

Mechanical Anchors

These anchors offer heavy-duty performance with simple installation. Once installed they can be used right away.



Wedge anchors expand in the hole as they are set, providing a strong anchorage point.



Titen HD® screw anchors provide high strength with simplified installation to save time.

Adhesive Anchors

Whether you need to fasten threaded rod for an anchor bolt or a piece of rebar to add new concrete to existing, Simpson Strong-Tie has the anchoring adhesive you are looking for. Depending on the application, adhesives are typically stronger than mechanical anchors, and they can also be used to repair larger cracks in concrete.



SET-XP10® cartridge is ideal for smaller projects.

Installing Adhesive Anchors is Easy

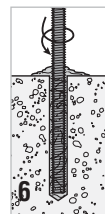
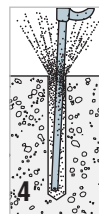
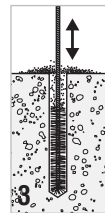
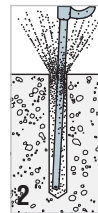
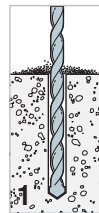
Drill: Drill hole to specified diameter and depth

Clean: Remove dust from hole with oil-free compressed air. Clean with nylon brush and blow out the remaining dust.

Fill: Fill hole $\frac{1}{2}$ to $\frac{3}{4}$ full starting from bottom of hole to prevent air pockets. Withdraw nozzle as hole fills up.

Insert: Insert anchor, turning slowly until anchor contacts the bottom of the hole. Do not disturb during curing time.

For complete installation instructions, see package.



Superior alternatives to bolts and lag screws — Strong-Drive[®] SDWH, SDWS and SDS Screws

Ideal for indoor and outdoor wood-to-wood fastening.

These screws were engineered with a unique design that allows for installation without pre-drilling in most applications. These innovative fasteners are easy to drive, have a corrosion-resistant coating, and are load-tested to ensure optimal performance in heavy-duty projects.



SDWS

Engineered for structural applications, this screw features an extra large 6-lobe washer head for optimal holding power.

SDWH

Designed for heavy-duty fastening, this screw features an extra large hex-head washer for optimal holding power.



SDS

Ideal for a wide variety of wood-to-wood and steel-to-wood applications, this screw features a smaller washer head for projects where the head is exposed, and appearance is important.

A better alternative to nails, for stronger, easier installations — Strong-Drive[®] SD Screws

Versatile solution for a wide range
of connector projects.

These screws were engineered to replace nails and provide more installation control. They can be easily removed if needed, making them the ideal solution for a wide array of home improvement projects. It's the only screw approved to work with and stand up to the standards of some Simpson Strong-Tie[®] connectors.

For the latest list of connectors approved for installation with Strong-Drive[®] SD screws, see our website.



Advanced fastening solutions for every kind of deck.

Simpson Strong-Tie offers a variety of premium fastening solutions for wood, pressure treated wood or composite decking. Our fasteners are designed specifically to perform based on your preferred material, and many are available in various colors to blend in with the color of your deck. For virtually invisible fasteners, try our EB-TY[®] hidden deck fastening system.



SIMPSON

Strong-Tie

®

Helping You Build Anything. Your Way. Done Right.

DIY is the way to go these days. You save money, and you can custom build anything to fit your exact needs, wants and wishes. So, no matter what home improvement project you take on, if you want professional results, then do it the professional way – use Simpson Strong-Tie® connectors and fasteners.



For more home improvement
ideas, insights and plans visit
www.strongtie.com/diydoneright